

- *Aarnoudse-Moens CSH (2012) *Executive function and its impact on academic and behavior problems in very preterm children*. Thesis Rotterdam: Erasmus Universiteit
- Aarnoudse-Moens CS, Duivenvoorden HJ, Weisglas-kuperus N *et al.* (2011b) The profile of executive function in very preterm children at 4 to 12 years. *DMCN* 247–52
- Aarnoudse-Moens CS, Oosterlaan J, Duivenvoorden HJ, *et al.* (2011a) Development of pre-school and academic skills in children born verypreterm. *J Pediatr* 158:51–6
- Aarnoudse-Moens CS, Weisglas-Kuperus N, van Goudoever *et al.* (2009) Meta-analysis of neurobehavioral outcomes in very preterm and/or very low birth weight children. *Pediatrics* 124: 717–28
- Aarnoudse-Moens CSH, Duivenvoorden HJ, Weisglas-Kuperus N *et al.* (2012) The profile of executive function in very preterm children at 4 to 12 years. *DMCN*. 54:247–53
- Aarnoudse-Moens CSH, Weisglas-Kuperus N, Duivenvoorden HJ *et al.* (2013) Executive Function and IQ Predict Mathematical and Attention Problems in Very Preterm Children. *PLoS ONE* 8(2): e55994
- Aarts JHP, Binnie CD, Smit AM *et al.* (1984) Selective cognitive impairment during focal and generalized epileptiform EEG-activity. *Brain* 107:293–308
- Abeling NGGM, Gennip AH van, Overmars H *et al.* (1994) Biogenic amine metabolite patterns in the urine of monoamine oxidase A-deficient patients. A possible tool for diagnosis. *J Inher Metab Dis* 17:339–41 (zie 114 a)
- Abbott RD & Berninger VW (1993) Structural equation modeling of relationships among developmental skills and writing skills in primary- and intermediate-grade writers. *J Educ Psychol* 85:478–508
- Abkur TM, Mohamed MB & Peters C (2014) Multiple territory watershed infarcts following spinal anaesthesia. *BMJ*
- Aboitiz F, Scheibel AB & Zaidel E (1992) Morphometry of the sylvian fissure and the corpus callosum, with emphasis on sex differences. *Brain* 115:1521–41
- Abrahams BS & Geschwind DH (2008) Advances in autism genetics: on the threshold of a new neurobiology. *Nat Rev Genet* 9:341–55
- Abrams DA, Chen T, Odriozola P *et al.* (2016) Neural circuits underlying mother's voice perception predict social communication abilities in children. *PNAS* 113, 6295–300
- Abrams G, Jayashankar A, Kilroy E *et al.* (2024) Differences in Praxis Errors in Autism Spectrum Disorder Compared to Developmental Coordination Disorder. *J Autism Dev Disord*. 54:1113–29
- Accogli A, Addour-Boudrahem N & Srour M (2020) Neurogenesis, neuronal migration, and axon guidance (pp 25–42). In *Handbook of Clin Neurol*, Vol. 173 (3rd series) (A Gallagher *et al.* Eds) *Neurocognitive Development: Normative Development*. Amsterdam: Elsevier
- Acerra F, Burnod Y & de Schonen S (2002) Modelling aspects of face processing in early infancy. *Dev Science* 5:98–117
- Achenbach TM (1991) *Manual for the Child Behavior Checklist* 14–18 and 1991 profile. Burlington: Un Vermont, Dept Psychiat.
- Acıpayam C, Güneş H, Güngör O *et al.* (2019) Cerebral atrophy in 21 hypotonic infants with severe vitamin B12 deficiency. *J Paed Child Health*
- Ackermann H, Gräber S, Hertrich I *et al.* (1999) Cerebellar contributions to the perception of temporal cues within the speech and non-speech domain. *Brain Lang* 67:228–41
- Addabbo F, Baglioni V, Schrag A (2020) Anti-dopamine D2 receptor antibodies in chronic disorders. *DMCN* doi.org/10.1111/dmcn.14613
- Adams AM, Bourke L & Willis C (1999) Working memory and spoken language comprehension in young children. *Inter J of Psychol* 34:364–73
- Adam R & Greenberg JO (1978) The mega cisterna magna. *J Neurosurg* 48:190–92
- Adams RD & Lyon G (1982) *Neurology of hereditary metabolic diseases of children*. McGraw-Hill, New York
- Adelson PD & Kochanek PM (1998) Head injury in children. (Review) *J Child Neurol* 13:2–15
- Adolphs R (1999) Social cognition and the human brain. *Trends in cognitive Sci* 3:469–79
- Adolphs R (1999) The human amygdala and emotion. *The Neuroscientist* 5:125–37
- Adolphs R (2002) Neural systems for recognizing emotion. *Curr Opinion Neurobiol* 12:169–77
- Adolphs R (2002) Recognizing emotion from facial expressions: Psychological and neurological mechanisms. *Behav Cogn Neurosci Rev* 1:21–62
- Adolphs R, Baron-Cohen S & Tranel D (2002) Impaired recognition of social emotions following amygdala damage. *J Cogn Neurosci* 14:1264–74
- Adolphs R, Damasio H, Tranel D *et al.* (1996) Cortical systems for the recognition of emotion in facial expressions. *J Neurosci* 16:7678–87
- Adolphs R, Damasio H, Tranel D *et al.* (2000) A role of somatosensory cortices in the visual recognition of emotion as revealed by three-dimensional lesion mapping. *J Neurosci* 20:2683–90
- Adolphs R, Jansari A & Tranel D (2001) Hemispheric perception of emotional valence from facial expressions. *Neuropsychol* 15:516–24
- Adolphs R, Russell JA & Tranel D (1999) A role for the human amygdala in recognizing emotional arousal from unpleasant stimuli. *Psychol Sci* 10:167–71
- Adolphs R, Sears L & Piven J (2001) Abnormal processing of social information from faces in autism. *J Cogn Neurosci* 13:232–40
- Adolphs R, Tranel D & Damasio H (2001) Emotion recognition from faces and prosody following temporal lobectomy. *Neuropsychol* 15:396–404
- Adviento B, Corbin IL, Widjaja F *et al.* (2014) Autism traits in the RASopathies. *J Med Genet* 51:10–20
- Afonso O, Avilés A & Álvarez CJ (2025) Neural correlates of lexical, sublexical and motor processes in word handwriting. *Brain Cogn*. 184:106272
- Aggleton JP & Brown MW (1999) Episodic memory, amnesia, and the hippocampal–anterior thalamic axis. *Behav Brain Sci* 22:425–89
- Aggleton J P & Pearce J M (2002) Neural systems underlying episodic memory: insights from animal research. In: *Episodic Memory. New directions in Research*, eds. Baddeley A, Conway M & Aggleton J Oxford, Oxford University Press. pp. 102–231
- Aglieri V, Chaminade T, Takerkart S *et al.* (2018) Functional connectivity within the voice perception network and its behavioural relevance. *NeuroImage* 183:356–65
- Agnew-Blais JC, Wertz J, Arseneault L *et al.* (2022) Mother's and children's ADHD genetic risk, household chaos and children's ADHD symptoms: A gene-environment correlation study. *JCPP* 63:1153–63
- Aguayo JG (1985) Axonal regeneration from injured neurons in the adult mammalian central nervous system. In: CW Cotman (ed) *Synaptic Plasticity*, The Guilford Press, New York
- Ahern GL, Schomer DL, Kleeefield J *et al.* (1991) Right hemisphere advantage for evaluating emotional facial expressions. *Cortex* 27:193–202
- Ahmed M & Dutton GN (1996) Cognitive visual dysfunction in a child with cerebral damage. *DMCN* 38:736–43
- Aicardi J (1994) *Epilepsy in children*. International review of child neurology series. Raven Press, New York, 2nd ed, pp 555
- Aicardi J (2018) Diseases of the nervous system in childhood. 4th ed. *Clin Dev Med*. Mac Keith Press: London, pp 1400
- Aimard P (1980) *Psychopathologie de l'enfant*. Simep, Villeurbanne
- Aimard P (1982) *L'enfant et son langage*. Simep, Villeurbanne, France
- Ainsworth MDS, Blehar MC, Waters E *et al.* (1978) *Patterns of Attachment: A Psychological Study of the Strange Situation*. Hillsdale, NJ: Erlbaum
- Aird RB & Yamamoto T (1966) Behavior disorders of childhood. *Eeg Clin Neurophysiol* 21:148–56
- Akhutina T (2002) Writing: *Assessment and remediation*. Paper Moscow University named after MV Lomonosov. Personal written communication
- Akshoomoff N (1989) Brainstem auditory evoked potentials in receptive developmental language disorder. *Brain Lang* 37:409–18
- Akshoomoff N, Pierce K & Courchesne E (2002) The neurobiological basis of autism from a developmental perspective. *Dev Psychopathol* 14:613–34
- Akshoomoff N, Joseph RM, Taylor HG *et al.* (2017) Academic Achievement Deficits and Their Neuropsychological Correlates in Children Born Extremely Preterm. *J Dev & Behav Pediatr* 38:627–37
- Ala A, Walker AP, Ashkan K *et al.* (2007) Wilson's disease. *Lancet*. 369:397–408
- Alberini CM, Ansermet F & Magistretti P (2013) in Alberini M (ed.) *Memory Reconsolidation*,

* Download van de BibliografieGNK-WZOL via suyi.nl.

Trace Reassociation and the Freudian Unconscious. Chapter 14, Academic Press

Alarcón Dávila ME (2013) Gegenwärtigkeit und Präsenz in der Tanzimprovisation. In Hähnel & Knaup (Hrsg.) *Leib und leben. Perspektiven für eine neue Kultur der Körperlichkeit*. Darmstadt:WBG

Alarcón M, Pennington BF, Filipek PA *et al.* (2000) Etiology of neuroanatomical correlates of reading disability. *Dev Neuropsychol* 17:339–60

Alby C, Malan V, Boudaud L *et al.* (2016) Clinical, Genetic and Neuropathological Findings in a Series of 138 Fetuses with a Corpus Callosum Malformation. *Birth Defects Res* (Part A) 106:36–46

Alderson-Day B & Fernyhough C (2015). Inner speech: Development, cognitive functions, phenomenology, and neurobiology. *Psychol Bull*, 141:931–65

Alderson-Day B, Weis S, McCarthy-Jones S *et al.* (2015) The brain's conversation with itself: neural substrates of dialogic inner speech. *Soc Cogn Affect Neurosci*. 11:110–20

Alemseged Z (2023) Reappraising the palaeobiology of Australopithecus. *Nature* 617:45–54

Allport GW (1961) Pattern and growth in personality. New York: Holt, Rinehart, and Winston

Amiel-Tison C, Cabrol D, Denver R *et al.* (2004a) Fetal adaption to stress Part I: acceleration of fetal maturation and earlier birth triggered by placental insufficiency in humans. *Early Human Dev* 78:15–27

Amiel-Tison C, Cabrol D, Denver R *et al.* (2004b) Fetal adaption to stress Part II. Evolutionary aspects; Stress-induced hippocampal damage; long-term effects on behavior; consequences on adult health. *Early Hum Dev* 78:81–94

Ammaniti M & Gallese V (2014) The Birth of Intersubjectivity: Psychodynamics, Neurobiology, and the Self. New York: WW Norton

Anzieu D (1974) Le Moi-Peau. *Nouv Rev de la Psychanal* 9:195–208

Anzieu D (1985, 1995 edition revisee) *Le Moi-Peau*. Paris: Dunod. (Engl. Ed.: 1989. *The Skin-Ego*. Yale Univ Press, London)

Aldenkamp AP (1997a) Cognitieve bijwerkingen van antiepileptica. *Epil Bull* 25:69–72

Aldenkamp AP (1997b) Effect of seizures and epileptiform discharges on cognitive function. *Epilepsia* 38:52–5

Aldenkamp AP, Alpherts WCJ, Blennow G *et al.* (1993) Withdrawal of antiepileptic medication in children – effect on cognitive function: The multicenter Holmfrid study. *Neurol* 43:41–5

Aldenkamp AP, Alpherts WCJ, Dekker MJA *et al.* (1990) Neuropsychological aspects of learning disabilities in epilepsy. *Epilepsia* 31:9–20

Aldenkamp AP, Arends J, Overweg-Plandsoen TC *et al.* (2001) Acute effects of non-convulsive difficult-to-detect epileptic seizures and epileptiform electroencephalographic discharges. *J Child Neurol* 16:119–23

Aldenkamp AP, Dreifuss FE, Renier WO *et al.* (1995) *Epilepsy in children and adolescents*. CRC-Press Publishers, Boca Raton, New York

Alderliesten T, de Vries LS, Khalil Y *et al.* (2015) Therapeutic Hypothermia Modifies Perinatal Asphyxia-Induced Changes of the Corpus Callosum and Outcome in Neonates. *PLoS ONE* 10: e0123230

Aldridge MA, Braga ES, Walton GE *et al.* (1999) The intermodal representation of speech in newborns. *Dev Science* 2:42–6

Aldridge M & Wood J (1997) Talking about feelings – young children's ability to express emotions. *Child Abuse Neglect* 21:1221–33

Alexander GE, DeLong MR, Strick PL *et al.* (1986) Parallel organization of functional segregated circuits linking basal ganglia and cortex. *Ann Rev Neurosci* 9:357–81

Alexander LM, Salun GA, Swanson JM *et al.* (2020) Measuring strengths and weaknesses in dimensional psychiatry. *JCPP* 61:40–50

Alexander MP, Baker E, Naeser MA *et al.* (1992) Neuropsychological and neuroanatomical dimensions of ideomotor apraxia. *Brain* 115:87–107

Al-Haddad BJS, Jacobsson B, Chabra S *et al.* (2019) Long-term Risk of Neuropsychiatric Disease After Exposure to Infection In Utero. *JAMA Psychiat* 76:594–602

Al-Hashim AH, Blaser S, Raybaud C *et al.* (2016) Corpus callosum abnormalities: neuro-radiological and clinical correlations. *DMCN* 58:475–84

Ali Z & Lowry M (1981) Early maternal-child contact: Effects on later behaviour. *DMCN* 23:337–45

Allen DA, Mendelsohn L & Rapin I (1989) Syndrome specific remediation in preschool developmental dysphasia. In: French JH, Harel S & Caesar P (eds) *Child Neurology and developmental disabilities*. Paul Brookes, Publ. Co, Baltimore

Allen JC (1986) Tumors of the central nervous system in infants. In: Hoff-man HJ & Epstein F (eds) *Disorders of the developing nervous system: Diagnosis and treatment*. Blackwell Sci Publ, Oxford, pp 751–66

Allen MC & Capute AJ (1986) Assessment of early auditory and visual abilities of extremely premature infants. *DMCN* 28:458–66

Alexander LM, Salun GA, Swanson JM *et al.* (2020) Measuring strengths and weaknesses in dimensional psychiatry. *JCPP* 61:40–50

Allin M, Matsumoto H, Santhouse AM *et al.* (2001) Cognitive and motor function and the size of the cerebellum in adolescents born very preterm. *Brain* 124:60–6

Alink LRA, Van IJzendoorn MH, Bakermans-Kranenburg *et al.* (2008) Cortisol and externalizing behavior in children and adolescents: Mixed meta-analytic evidence for the inverse relation of basal cortisol and cortisol reactivity with externalizing behavior. *Dev Psychobiol* 50:427–50

Allan JG (2000) *Traumatic attachments*. Wiley, New York

Allen JG, Fonagy P & Bateman AW (2008) *Mentalizing in clinical practice*. Arlington: Am Psychiat Publishing

Allison JD, Meader KJ, Loring DW *et al.* (2000) Functional MRI cerebral activation and deactivation during finger movement. *Neurol* 54:135–42

Alloway TP, Gathercole SE, Willis C *et al.* (2004). A structural analysis of working memory and related cognitive skills in early childhood. *J Exp Child Psychol* 87:85–106

Almgren H, Van de Steen F, Kühn S *et al.* (2018) Variability and reliability of effective connectivity within the core default mode network: A multi-site longitudinal spectral DCM study. *NeuroImage* 183:757–68

Almli CR & Finger S (eds, 1984) *Early Brain Damage, vol I. Research orientations and clinical observations*. Ac Press Inc, New York

Al-Mouqdad MM, Jamioom DZ, Huseynova R *et al.* (2022) Association between morphine exposure and impaired brain development on term-equivalent age brain magnetic resonance imaging in very preterm infants. *Sci Rep*. 2022 Mar 16;12(1):4498

Alpherts WCJ & Aldenkamp AP (1990) Computerized neuropsychological assessment in children with epilepsy. In: Aldenkamp AP & Dodson WE, eds) *Epilepsy and education; cognitive factors in learning behavior*. Raven Press, New York

Al-Qudah AA, Kobayaski J, Chuang S *et al.* (1989) Etiology of intellectual impairment in Duchenne muscular dystrophy. *Ped Neurol* 6:57–69

Alsema AM, Puvogel S, Kracht L *et al.* (2025) Schizophrenia-associated changes in neuronal subpopulations in the human midbrain. *Brain* 148:1374–88

Altenmüller E, Schürmann K, Lim VK *et al.* (2002) Hits to the left, flops to the right: Different emotions during listening to music are reflected in cortical lateralisation patterns. *Neuropsychol* 40:2242–56

Al-Twajiri WA & Shevell MI (2002) Pediatric migraine equivalents: Occurrence and clinical features in practice. *Pediatr Neurol* 26:365–8

Alvares RL & Downing SF (1998) A survey of expressive communication skills in children with Angelman syndrome. *Am J Speech-Lang Pathol* 7:14–24

Ameis SH, Lerch JP, Taylor MJ *et al.* (2016) A diffusion tensor imaging study in children with ADHD, autism spectrum disorder, ocd, and matched controls: distinct and non-distinct white matter disruption and dimensional brain-behavior relationships. *Am J Psychiat* 173:1213–22

American Psychiatric Association. (1995, 2000) *Diagnostic and Statistical Manual of Mental Disorders* (4rd ed) DSM-IV. APA, Washington DC

Amery B, Minichiello MD & Brown GL (1984) Aggression in hyperactive boys: Response to d-amphetamine. *JAACAP* 23:291–4

Amiel-Tison C (1983) Le rôle du néonatalogiste dans la prévention des troubles relationnels précoces mère – enfant. *13mes Journées nationales de médecine périnatale*. pp. 251–59

Amiel-Tison C & Ellison P (1986) Birth asphyxia in the fullterm newborn: Early assessment and outcome. *DMCN* 28:671–82

Amiel-Tison C, Gosselin J & Infante-Rivard C (2002) Head growth and cranial assessment at

- neurological examination in infancy. *DMCN* 44:643–8
- Amiel-Tison C & Grenier A (1981) *Evaluation neurologique du nouveau-né et du nourrisson*. Masson, Paris
- Amiel-Tison C & Pettigrew AG (1991) Adaptive changes in the developing brain during intrauterine stress. *Brain Dev* 13:67–76
- Amianto F, Northoff G, Abbate Daga G *et al.* (2016) Is anorexia nervosa a disorder of the self? A psychological approach. *Front Psychol* 7:849
- Amir RE, van den Veyver IB, Wan M *et al.* (1999) Rett syndrome is caused by mutations in X-linked MECP2 encoding methyl-CpG-binding protein 2. *Nat Genet* 23:185–8
- Amorosa H (1981) The timing of speech and hand motor coordination in language delayed children. *J Acoust Soc Am* 71:22
- Amsterdam B (1972) Mirror self-image reactions before age two. *Dev Psychobiol*, 5:297–305
- Amunts K, Schleicher A, Burgel U *et al.* (1999) Broca's region revisited: Cytoarchitecture and intersubject variability. *J Comparat Neurol* 412:319–41
- Amunts K, Weiss PH, Mohlberg H *et al.* (2004) Analysis of neural mechanisms underlying verbal fluency in cytoarchitecturally defined stereotaxic space—The roles of Brodmann areas 44 and 45. *NeuroImage* 22:42–56
- Andermann F, Aicardi J & Vigeveno F (1995) *Alternating hemiplegia of childhood*. Raven Press, New York pp 216
- Anderson JS, Druzgal TJ, Froehlich A *et al.* (2011) Decreased interhemispheric functional connectivity in autism. *Cereb Cortex* 21:1134–46
- Anderson LB, Paul LK, Brown WS (2017) Emotional Intelligence in Agenesis of the Corpus Callosum. *Arch Clin Neuropsychol*. 32:267–79
- Anderson M (1992) *Intelligence and development: A cognitive theory*. Blackwell, Oxford
- Anderson PJ (2002) Assessment and development of executive function (EF) during childhood. *Child Neuropsychol* 8:71–82
- Anderson PJ & Doyle LW (2004) Executive Functioning in School-Aged Children Who Were Born Very Preterm or With Extremely Low Birth Weight in the 1990s. *Pediatr*. 114:50–7
- Anderson SW, Routh DK & Ionescu (1988) Serial position memory of boys with Duchenne muscular dystrophy. *DMCN* 30:328–33
- Anderson V, Catroppa C, Morse S *et al.* (2001) Outcome of mild head injury in young children: a prospective study. *J Clin Exp Neuropsychol* 23:705–17
- Anderson V & Moore C (1995) Age at injury as a predictor of outcome following pediatric head injury: a longitudinal perspective. *Child Neuropsychol* 1:187–202
- Andersson CB & Thomsen PH (1998) Electively mute children: An analysis of 37 Danish cases. *Nord psykiatr tidsskr* 52:231–38
- Andrade MÃ, Raposo A & Andrade A (2024) Exploring the late maturation of an intrinsic episodic memory network: A resting-state fMRI study. *Dev Cogn Neurosci*. Dec;70:101453
- Andres FG, Mima T, Schulman AE *et al.* (1999) Functional coupling of human cortical sensorimotor areas during bimanual skill acquisition. *Brain* 122:855–70
- André-Thomas & Autgaerden S (1959) *Psycho-affectivité des premiers mois du nourrisson*. Paris: Masson (NB. André-Thomas heeft nergens een voorletter)
- André-Thomas & Sairant-Anne Dargassies S (1952) *Etudes neurologiques sur le nouveau-né et le jeune nourrisson*. Paris: Masson
- Andres M, Pelgrims B, Michaux N *et al.* (2011) Role of distinct parietal areas in arithmetic: an fMRI-guided TMS study. *Neuroimage* 54:3048–56
- Annett M (1972) The distribution of manual asymmetry. *Brit J Psychol* 63:343–48
- Annett M (1973) Laterality of childhood hemiplegia and the growth of speech and intelligence. *Cortex* 9:4–33
- Annett M (1985) *Left, right, hand and brain: The right shift theory*. Lawrence Erlbaum Ass, Publ, London, pp 474
- Annett M (1992) Parallels between asymmetries of planum temporale and of hand skill. *Neuropsychol* 30:951–62
- Annett M (1998) The stability of handedness. In: KJ Connolly (ed) *The psychobiology of the hand*. Clin Dev Med 147, London: MacKeith Press, p. 63–76
- Annett M (2000) Predicting combinations of left and right asymmetries. *Cortex* 36:485–505
- Ansari D & Karmiloff-Smith A (2002) Atypical trajectories of number development: A neuro-constructivist perspective. *Trends Cognit Sci* 6:511–16
- Ansink B (1974) Inhibitie en leerproces. *Ned T v Gen* 118:1321–3
- Ansink B (1974) *Neuropedagogiek*. Boom, Meppel, pp 308
- Ansink B (1976) Surdit  verbale corticale pure d'origine cong nitale chez un enfant. *Rev Neurol* 132:164–5
- Antony EM, Pihlajam ki M, Speyer LG *et al.* (2022) Does emotion dysregulation mediate the association between ADHD symptoms and internalizing problems? A longitudinal within-person analysis in a large population-representative study. *JCPP* 63:1583–90
- Antony SJ, Nicholas DB, Regehr C *et al.* (2019) The Heart as a Transplanted Organ: Unspoken Struggles of Personal Identity Among Adolescent Recipients. *Can J Cardiol* 35:96–9
- Anzieu D (1985, 1995) *Le Moi-Peau*. Paris: Dunod. (Engl. Ed.: 1989: The Skin-Ego. London: Yale Un. Press)
- Aram DM (1988) Language sequelae of unilateral brain lesions in children. *Lang, Commun Brain* 171–97
- Aram DM & Eisele JA (1994) Intellectual stability in children with unilateral brain lesions. *Neuropsychol* 32:85–95
- Aram DM, Ekelman BL & Whitaker HA (1987) Lexical retrieval in left and right brain lesioned children. *Brain Lang* 31:61–87
- Aram DM & Ekelman BL (1988) Auditory temporal perception of children with left or right brain lesions. *Neuropsychol* 26:931–35
- Aram DM, Ekelman BL & Satz P (1986) Trophic changes following early unilateral injury to the brain. *DMCN* 28:165–70
- Aram DM & Nation JE (1975) Patterns of language behavior in children with developmental language disorders. *J Speech Hearing Res* 18:229–41
- Arango A, Brent D, Grupp-Phelan J *et al.* (2024) Pediatric Emergency Care Applied Research Network (PECARN). Social connectedness and adolescent suicide risk. *JCPP* 65:785–97
- Arbib MA (2005) From monkey-like action recognition to human language: An evolutionary framework for neurolinguistics. *Behav Brain Sci* 28:105–167
- Arbib MA (2006) Aphasia, apraxia and the evolution of the language ready brain. *Aphasiol* 20:1125–55
- Archer J (1981) Sex differences in maturation. In: KJ Connolly & HFR Prechtl (eds) *Maturation and development: Biological and psychological perspectives*. Clin Dev Med 77–78 SIMP. Heinemann, London, pp 19–31
- Archibald SL, Fennema-Notestine C, Gamst A *et al.* (2001) Brain dysmorphology in individuals with severe prenatal alcohol exposure. *DMCN* 43:148–54
- Ardila A, Bernal B & Rosselli M (2015) How Localized are Language Brain Areas? A Review of Brodmann Areas Involvement in Oral Language. *Arch Clin Neuropsychol*, 31:112–122
- Arendt R, Angelopoulos J, Salvator A *et al.* (1999) Motor development of cocaine-exposed children at age two years. *Pediatr* 103:86–92
- Arey LB (1965) *Developmental anatomy*. Saunders, Philadelphia
- Armel KC & Ramachandran VS (2003) *Projecting* sensations to external objects: evidence from skin conductance response. *Proc Biol Sci* 270:1499–506
- Arguin M, Lassonde M, Quattrini A *et al.* (2000) Divided visuo-spatial attention systems with total and anterior callosotomy. *Neuropsychol* 38:283–91
- Argyropoulos GPD, Watkins KE, Belton-Pagnamenta E *et al.* (2019) Neocerebellar crus I abnormalities associated with a speech and language disorder due to a mutation in FOXP2. *Cerebell* 18:309–19
- Arimitsu T, Uchida-Ota M, Yagihashi T *et al.* (2011) Functional hemispheric specialization in processing phonemic and prosodic auditory changes in neonates. *Front Psychol* 2:202
- Armel KC & Ramachandran VS (2003) Projecting sensations to external objects: evidence from skin conductance response. *Proc Biol Sci* 270:1499–506
- Armbruster-Gen  DJN, Neil L, Valton V *et al.* (2024) Childhood maltreatment is associated with lower exploration and disrupted prefrontal activity and connectivity during reward learning in volatile environments. *JCPP* Dec 12. doi: 10.1111/jcpp.14095
- Armour JA, Davison A & McManus IC (2014) Genome-wide association study of handedness excludes simple genetic models. *Heredity* 112:221–5
- Arnett AB, Trinh S & Bernier RA (2018) The state of research on the genetics of autism spectrum disorder: methodological, clinical and conceptual progress. *Curr Opin Psychol* 27:1–5
- Arning L, Ocklenburg S, Schulz S *et al.* (2016) Handedness and the X chromosome: The role

- of androgen receptor CAG-repeat length. *Sci Rep* 5:8325
- Arntz A, Bernstein D, Oorschot M *et al.* (2009) Theory of mind in Borderline and cluster-C personality disorder. *J Nerv Ment Dis* 197:801–7
- Aronson M, Hagberg B & Gillberg C (1997) Attention deficits and autistic spectrum problems in children exposed to alcohol during gestation: a follow-up study. *DMCN* 39:583–96
- Araujo HF, Kaplan J & Damasio A (2013) Cortical midline structures and autobiographical self processes: an activation likelihood estimation meta-analysis. *Front Hum Neurosci* 7:548
- Araujo HF, Kaplan J, Damasio H *et al.* (2015) Neural correlates of different self domains. *Brain Behav* 5: e00409
- Armel KC & Ramachandran VS (2003) Projecting sensations to external objects: Evidence from skin conductance response. *Proc Royal Soc London: Biological* 270:1499–1506
- Arnold ML (1997) *Natural Hybridization and Evolution*. Oxford UnivPress, New York
- Arts WFM & Peters ACB (eds, 2000) *Behandlungsstrategieën bij kinderepilepsie*. HBohn Stafleu Van Loghum, Houten
- Asada K, Akechi H, Kikuchi Y *et al.* (2025) Longitudinal study of personal space in autism. *Child Neuropsychol*. 31:119–27
- Asaridou SS, Cler GJ, Wiedemann A *et al.* (2023) Microstructural Properties of the Cerebellar Peduncles in Children with Developmental Language Disorder. *BioRxiv* [Preprint] 3:2023.07.13.548858
- Asbreuk MABC, Schoenmakers DH, Adang LA *et al.* (2025) Metachromatic Leukodystrophy: New Therapy Advancements and Emerging Research Directions. *Neurology*. 105:e213817
- Asherson P & Agnew-Blais J (2019) Annual Research Review: Does late-onset attention-deficit/hyperactivity disorder exist? *JCPP* 60:333–52
- Asherson P & Corman B (2016) The Genetics of Aggression: Where Are we Now? *Am J Med Genet Part B* 171B:559–61.
- Ashwin E, Ashwin C, Rhydderch D *et al.* (2009) Eagle-eyed visual acuity: an experimental investigation of enhanced perception in autism. *Biol Psychiat*. 265:17–21
- Ashworth A, Hill CM, Karmiloff-Smith A *et al.* (2015) A cross-syndrome study of the differential effects of sleep on declarative memory consolidation in children with neurodevelopmental disorders. *Dev Sci* 20:1–13
- Assaiaite C (1994) Development of head-trunk coordination during locomotion: influence of visual cues. In: E Fedrizzi, G Acanzini & P Crenna (eds) *Motor development in children*. London: J Libbey & Cy, pp. 85–97
- Aschersleben G, Hofer T & Jvanovic B (2008) The link between infant attention to goal-directed action and later theory of mind abilities. *Dev Sci* 11:6:862–8
- Aschersleben G & Prinz W (1995) Synchronizing actions with events: the role of sensory information. *Perc & Psychophysics* 57:305–17
- ASHA American Speech-Language-Hearing Association, Working Group on Auditory Processing Disorders (2005) Technical Report, *Central Auditory Processing: Current States of Research and Implications for Clinical Practice*. Rockville USA: ASHA
- Ashley-Koch A, Wolpert CM, Menold Mm *et al.* (1999) Genetic studies of autistic disorder and chromosome 7. *Genomics* 61:227–36
- Ashwal S, Holshouser BA, Shu SK *et al.* (2000) Predictive value of proton magnetic resonance spectroscopy in pediatric closed head injury. *Pediatr Neurol* 23:114–25
- Asperger H (1944) Die ‘Autistischen Psychopathen’ im Kindesalter. *Arch Psychiatr Nervenkrankh* 117:76–136
- Astington JW & Jenkins JM (1999) A longitudinal study of the relation between language and theory-of-mind development. *Dev Psychol* 35:1311–20
- Athanasiadou A, Buitelaar JK & Brovedani P *et al.* (2019) Early motor signs of attention-deficit hyperactivity disorder: a systematic review. *Eur Child Adolesc Psychiat* <https://doi.org/10.1007/s00787-019-01298-5>
- Atkinson J (1984) How does infant vision change in the first three months of life? In: HFR Prechtl (ed) *Continuity of neural functions from prenatal to postnatal life*. *Clin in Dev Med* No 94. SIMP, Blackwell, Oxford and Lippincott, Philadelphia, pp 159–78
- Atkinson J, Anker S, Braddick O *et al.* (2001) Visual and visuospatial development in young children with Williams syndrome. *DMCN* 43:330–7
- Atkinson C, Fraser M, Lowit J *et al.* (1962) EEG and clinical follow up studies of children who suffered from neonatal asphyxia, and of a matched control group. *EEG Clin Neurophysiol* 14:282
- Atlas SW, Zimmerman RA, Bilaniuk LT *et al.* (1986) Corpus callosum and limbic system: Neuroanatomic MR evaluation of developmental anomalies. *Neuroradiol* 160:355–62
- AtunEiny O, Berger SE, Ducz J *et al.* (2014) Strength of infants’ bimanual reaching patterns is related to the onset of upright locomotion. *Infancy* 19:82–102
- Auchincloss EL (2015) *The psychoanalytic model of the mind*. Arlington: Am Psychiat Ass Publishing
- Auckland NL & Low MD (1986) Electroencephalograms. In: Dunn HG (ed) *Sequelae of low birthweight: The Vancouver Study*. *Clin Dev Med* no 95–96. SIMP, Blackwell, Oxford and Lippincott, Philadelphia, pp 219–37
- Auerbach SH, Allard T, Naeser M *et al.* (1982) Pure word deafness. Analysis of a case with bilateral lesions and a defect at the prephonemic level. *Brain* 105:271–300
- Augustyn M & Zuckerman B (2007) From mother’s mouth to infant’s brain. *Arch Dis Childh Fet Neonat* Ed 92: F82
- Austin AM & Peery JC (1983) Analysis of adult-neonate synchrony during speech and non-speech. *Perc Mot Skills* 57:455–9
- Autti-Rämö I, Autti T, Korkman M *et al.* (2002) MRI findings in children with school problems who had been exposed prenatally to alcohol. *DMCN* 44:98–106
- Autti-Rämö I & Granström M-L (1991) The effect of intrauterine alcohol exposition in various durations on early cognitive development. *Neuropediatr* 22:203–10
- Autti-Rämö I & Granström M-L (1991) The psychomotor development during the first year of life of infants exposed to intrauterine alcohol of various duration. Fetal alcohol exposure and development. *Neuroped* 22:59–64
- Auzias M (1975) *Enfants gauchers Enfants droitiers. Une épreuve de lateralité usuelle*. Delachaux et Niestlé, Neuchatel
- Auzias M (1981) *Les troubles de l’écriture chez l’enfant*. Delachaux et Niestlé, Neuchatel
- Auzou P, Eustache F, Etevenon P *et al.* (1995) Topographic EEG activations during timbre and pitch discrimination tasks using musical sounds. *Neuropsychol* 33:25–37
- Avanzani G, Beaumanoir A & Mira L (eds 2001) *Limbic seizures in children*. Mariani Found Paed Neurol 8, Libbey & Co, Eastleigh, GB
- Avanzini P, Abdollahia RO, Sartorid I *et al.* (2016) Four-dimensional maps of the human somatosensory system. *PNAS* 113:1936–43
- Axer H, Klingner CM & Prescher A (2013) Fiber anatomy of dorsal and ventral language streams. *Brain Lang* 127:192–204
- Axmacher N & Heinemann A (2012) *Toward a Neural Understanding of Emotional Oscillation and Affect Regulation: Investigating the Dynamic Unconscious and Transference. An Interdisciplinary Study*. Neuropsychosanal, 14:141–55
- Ayaz A, Nisar I, Muhammad A *et al.* (2023) Structural Changes in the Brain on Magnetic Resonance Imaging in Malnourished Children: A Scoping Review of the Literature. *Pediatr Neurol*. 149:151–8
- Aybek S, Nicholson TR, Zelaya F *et al.* (2014) Neural correlates of recall of life events in conversion disorder. *JAMA Psychiat* 71:52–60
- Ayd FJ (2nd ed. 2000) *Lexicon of psychiatry, neurology and the sciences*. Lippincott, Williams & Wilkins, Philadelphia
- Aylward EH, Reiss AL, Reader MJ *et al.* (1996) Basal ganglia volumes in children with attention-deficit hyperactivity disorder. *J Child Neurol* 11:112–15
- Aylward GP (2002) Cognitive and neuropsychological outcomes: more than IQ scores. *MRDD Res Rev* 8:234–40
- Ayres AJ (1972) *Sensory integration and learning disorders*. WPS, Los Angeles
- Ayres AJ (1989) *Sensory integration and praxis test (SIPT)*. WPS, Los Angeles
- Azevedo FA, Carvalho LR, Grinberg LT *et al.* (2009) Equal numbers of neuronal and nonneuronal cells make the human brain an isometrically scaled-up human brain. *J Comp Neurol* 513:532–41
- Azzarelli B, Meade P & Muller J (1980) Hypoxic lesions in areas of primary myelination. A distinct pattern in cerebral palsy. *Childs Brain* 7:132–45
- B**
- Baak LM, van der Aa NE, Verhagen AAE *et al.* (2023) Early predictors of neurodevelopment after perinatal arterial ischemic stroke: a systematic review and meta-analysis. *Pediatr Res*. 94:20–33

- Babik I & Michel GF (2015) Development of Role-Differentiated Bimanual Manipulation in Infancy: Part 1. The Emergence of the Skill. *Dev Psychobiol* 243–56
- Bachevalier J (1994) Medial temporal lobe structures and autism: A review of clinical and experimental findings. *Neuropsychol* 32:627–48
- Bachevalier J & Meunier M (1996) Cerebral Ischemia: Are the Memory Deficits Associated with Hippocampal Cell Loss? *Hippocampus* 6:553–60
- Badcock PB & Friston KJ (2023) The separation distress hypothesis: The ultimate theory of depression? *Neuropsychologia* 25
- Baddeley AD (1981) The concept of working memory: A view of its current state and probable future development. *Cognition* 10:17–23
- Baddeley AD (1988) Cognitive psychology and human memory. *TINS* 11:176–181
- Baddeley A (2000) The episodic buffer: A new component of working memory. *TICS* 4:417–23
- Baddeley A (2002) The concept of episodic memory. In: *Episodic Memory. New directions in Research*, eds. A Baddeley M, Conway & Aggleton J Oxford, Oxford University Press. Pp. 1–10
- Baddeley A (2003a) Working memory and language: an overview. *J Commun Disord* 36:189–208
- Baddeley A (2003b) Working memory: Looking back and looking forward. *Nat Rev Neurosci* 4:829–38
- Baddeley A (2012) Working memory: theories, models, and controversies. *Psychology* 63:1–29
- Baddeley A, Conway M & Aggleton J (2001) *Episodic Memory*. Oxford University Press, New York
- Badian NA (1983) Dyscalculia and nonverbal disorders of learning. In: HR Myklebust (ed) *Progress in learning disabilities*, vol V. Grune and Stratton, New York, pp 235–64
- Badian NA & Wolff PH (1977) Manual asymmetries of motor sequencing in children with reading disability. *Cortex* 13:343–49
- Bagautdinova J, Mayeli A, Wilson JD, et al. (2023) Sleep Abnormalities in Different Clinical Stages of Psychosis: A Systematic Review and Meta-analysis. *JAMA Psychiat*. 80:202–10
- Bagg E, Pickard H, Tan M, et al. (2024) Testing the social motivation theory of autism: the role of co-occurring anxiety. *JCPP* 65:899–909
- Bagliletto MG, Battaglia FM, Nobili L et al. (2001) Neuropsychological disorders related to interictal epileptic discharges during sleep in benign epilepsy of childhood with centrotemporal or Rolandic spikes. *DMCN* 43:407–12
- Bahar N, Cler GJ, Krishnan S et al. (2024). Differences in cortical surface area in developmental language disorder. *Neurobiol Lang* 5:288–314
- Bahrack LE (2002) Biobehavioural development, perception, and handling. Generalization of Learning in three-and-a-half-month-old infants on the basis of amodal relations. *Child Dev* 73:667–81
- Bahrack LE & Watson J (1985) Detection of intermodal proprioceptive-visual contingency as a potential basis of self-perception in infancy. *Dev Psychol* 21: 963–73
- Baier & Karnatch (2008) A clinicopathological study of autism. *Brain* 121:889–905
- Baier B & Karnath HO (2008) Tight link between our sense of limb ownership and self-awareness of actions. *Stroke* 39:486–88
- Bailey A, Luthert P, Dean A, et al. (1998) A clinicopathological study of autism. *Brain* 121:889–905
- Bailey A, Phillips W & Rutter M (1996) Autism: Towards an integration of clinical, genetic, neuropsychological and neurobiological perspectives. *JCPP* 37:89–126
- Bailey N (1969) *Bailey Scales of Infant Development, Manual*. The Psychol Corp, New York
- Baillargeon R, Spelke ES & Wasserman S (1985) Object permanence in five-month-old infants. *Cogn* 20:191–208
- Baird A, Coogan AN, Siddiqui A et al. (2012) Adult attention-deficit hyperactivity disorder is associated with alterations in circadian rhythms at the behavioural, endocrine and molecular levels. *Mol Psychiat* 10:988–95
- Baird AA, Gruber SA, Fein DA et al. (1999) Functional magnetic resonance imaging of facial affect recognition in children and adolescents. *JAACAP* 38:195–199
- Baird G, Charman T & Baron-Cohen S et al. (2000) A screening instrument for autism at 18 months of age: A 6-year follow-up study. *JAACAP* 39:694–702
- Baird HW & Gordon EC (1983) Neurological evaluation of infants and children. *Clin Dev Med* 84–85 SIMP. Heinemann, London & Lipincott
- Bajada CJ, Lambon Ralph MA & Cloutman LL (2015) Transport for language south of the Sylvian fissure: The routes and history of the main tracts and stations in the ventral language network. *Cortex* 69:141–51
- Bak TH, O'Donovan DG, Xuereb JH et al. (2001). Selective impairment of verb processing associated with pathological changes in Brodmann areas 44 and 45 in the motor neuron disease-dementia-aphasia syndrome. *Brain* 124:103–20
- Bakan P (1977) Left-handedness and birth order revisited. *Neuropsychol* 15:837–39
- Baker JK, Messinger DS, Lyons KK et al. (2010) A Pilot Study of Maternal Sensitivity in the Context of Emergent Autism. *J Autism Dev Disord* 40:988–99
- Bakermans-Kranenburg MJ, Steele H, Zeanah CH et al. (2011) Attachment and emotional development in institutional care: characteristics and catch-up. *Monogr Soc Res Child Dev* 76:62–91
- Bakermans-Kranenburg MJ & Van IJzendoorn MH (2007) Research Review: Genetic vulnerability or differential susceptibility in child development: the case of attachment. *J Child Psychol Psychiat Allied Discipl* 48:1160–73
- Bakermans-Kranenburg MJ & Van IJzendoorn MH (2008a) Oxytocin receptor (OXTR) and serotonin transporter (5-HTT) genes associated with observed parenting. *Soc Cogn Affect Neurosci* 3:128–34
- Bakermans-Kranenburg MJ & Van IJzendoorn MH (2009) No reliable gender differences in attachment across the life-span. *Behav Brain Sci* 32:22–23
- Bakermans-Kranenburg MJ, Van IJzendoorn MH, Mesman J et al. (2008b) Effects of an attachment-based intervention on daily cortisol moderated by DRD4: A randomized control trial on 1-3-year-olds screened for externalizing behavior. *Dev & Psychopath* 20:805–20
- Bakermans-Kranenburg MJ, Van IJzendoorn MH, Pijlman FTA et al. (2008a) Differential susceptibility to intervention: Dopamine D4 Receptor Polymorphism (DRD4 VNTR) moderates effects on toddlers' externalizing behavior in a randomized control trial. *Devel Psychol* 44:293–300
- Bakker DJ (1970) Temporal order perception and reading retardation. In: DJ Bakker and P Satz (eds) *Specific reading disability. Advances in theory and method*. Rotterdam:Un Press, pp 81–96
- Bakker DJ & Licht R (1986) Learning to read: Changing horses in the midstream. In GTh Pavlidis and DF Fischer (eds) *Dyslexia: Its Neuropsychology and treatment*. Wiley, Chichester
- Bakker D, Wilsher C, Debruyne H et al. (1987) Developmental dyslexia and learning disorders. Diagnosis and treatment. *Child health and development* vol 5. Karger, Basel
- Bakker J (2018) The Sexual Differentiation of the Human Brain: Role of Sex Hormones Versus Sex Chromosomes. *Curr Top Behav Neurosci*. doi:10.1007/7854_2018_70
- Bakker MJ, Greven CU, Buitelaar JK et al. (2017) Practitioner Review: Psychological treatments for children and adolescents with conduct disorder problems – a systematic review and meta-analysis. *JCPP* 58:4–18
- Baley, N (1969) *Bayley Scales of Infant Development*. New York:Psychol Corp
- Balint M (1965) *Primary love and psychoanalytic technique*. London: Tavistock
- Bálint R (1909) Seelenlähmung des "Schauens": optische Ataxie, raumliche Störungen der Aufmerksamkeit. *Monatschr Psychiat Neurol* 25:51–81
- Ballaban-Gil K, Rapin I, Tuchman R et al. (1996) Longitudinal examination of the behavioral, language, and social changes in a population of adolescents and young adults with autistic disorder. *Pediatr Neurol* 15:217–23
- Ballard KJ, Granier JP & Robin DA (2000) Understanding the nature of apraxia of speech: Theory, analysis, and treatment. *Aphasiol* 14:969–95
- Balmès Th (2010) *Babies*. Documentary film, Paris: Margot productions
- Balsamo LM, Xu B, Grandin CB et al. (2002) A functional magnetic resonance imaging study of left hemisphere language dominance in children. *Arch Neurol* 59:1168–74
- Banaschewski T, Coghill D & Zuddas A (2018) *Oxford textbook of attention deficit hyperactivity disorder*. Oxford: Oxford Un Press
- Banaschewski T & Brandeis D (2007) Annotation: What electrical brain activity tells us about brain function that other techniques cannot tell us – a child psychiatric perspective. *JCPP* 48:415–35

- Banati RB, Goerres GW, Tjoa C *et al.* (2000) The functional anatomy of visual-tactile integration in man: A study using positron emission tomography. *Neuropsychol* 38:115–24
- Bandstra ES, Morrow CE, Vogel AL *et al.* (2002) Longitudinal influence of prenatal cocaine exposure on child language functioning. *Neurotoxicol Teratol* 24:297–308
- Banich MT (1998) The missing link – the role of interhemispheric interaction in attentional processing. *Brain Cogn* 36:128–57
- Banich MT & Belger A (1990) Interhemispheric interaction: How do the hemispheres divide and conquer a task? *Cortex* 26:77–94
- Banich MT & Brown WS (2000) A life-span perspective on interaction between the cerebral hemispheres. *Dev Neuropsychol* 18:1–10
- Banich MT, Cohen Levine S *et al.* (1990) The effects of developmental factors on IQ in hemiplegic children. *Neuropsychol* 28: 35–47
- Banich MT, Passarotti AM & Janes D (2000) Interhemispheric interaction during childhood: I. Neurologically intact children. *Dev Neuropsychol* 18:33–51
- Banich MT, Passarotti AM, White DA, *et al.* (2000) Interhemispheric interaction during childhood: II. Children with early-treated phenylketonuria. *Dev Neuropsychol* 18:53–71
- Banker BQ & Larroche JC (1962) Periventricular leucomalacia of infancy. *Arch Neurol* 7:386–410
- Bansal PS, Goh PK, Southward MW *et al.* (2024) Impulsivity as key bridge symptoms in cross-sectional and longitudinal networks of ADHD and ODD. *JCPP*. 65:52–63
- Barbosa DAN, Kuijper FM, Duda J *et al.* (2022) Aberrant impulse control circuitry in obesity. *Mol Psychiat*. 27:3374–84
- Bardi L, Regolin L & Simion F (2011) Biological motion preference in humans at birth. *Dev Sci* 14: 353–59
- Bahrack LE (2001) Increasing specificity in perceptual development: Infants' detection of nested levels of multimodal stimulation. *J Exp Child Psychol* 79:253–70
- Bahrack LE (2004) The development of perception in a multimodal environment. In Bremner G & Slater A (eds) *Theories of Infant Development*. Oxford: Blackwell Publishing
- Bahrack LE & Lickliter R (2004) Infant's perception of rhythm and tempo in unimodal and multimodal stimulation: A developmental test of the intersensory redundancy hypothesis. *Cogn Affect Behav Neurosci* 4:137–147
- Baird AL, Coogan AN, Siddiqui A *et al.* (2012) Adult attention-deficit hyperactivity disorder is associated with alterations in circadian rhythms at the behavioural, endocrine and molecular levels. *Molec Psychiat* 17:988–95
- Banihani R, Smile S, Yoon G *et al.* (2015) Cognitive and Neurobehavioral Profile in Boys With Duchenne Muscular Dystrophy. *J Child Neurol* 30:1472–82
- Bareš M, Apps R, Avanzino L *et al.* (2019) Consensus paper: Decoding the Contributions of the Cerebellum as a Time Machine. From Neurons to Clinical Applications. *The Cerebellum* 18:266–86
- Bardi L, Regolin L & Simion F (2011) Biological motion preference in humans at birth. *Dev Sci* 14: 353–59
- Barker ED (2017) Epigenetics, Early Adversity and Child and Adolescent Mental Health. *Psychopathol* 51:71–5
- Barker ED, Walton E, Cecil CAM *et al.* (2018) A methylome-wide association study of trajectories of oppositional defiant behaviors and biological overlap with attention deficit hyperactivity disorder. *Child Dev* 89:1839–55
- Barkley RA (1977) A review of stimulant drug research with hyperactive children. *JCPP* 18:137–66
- Barkley RA (1990) *Attention deficit disorder: A handbook for diagnosis and treatment*. New York :The Guilford Press
- Barkley RA (1997) Behavioral inhibition, sustained attention, and executive functions: Constructing a unifying theory of adhd. *Psychol Bull* 121:65–94
- Barkley RA (2001) The executive functions and self-regulation: an evolutionary neuropsychological perspective. *Neuropsychol Rev* 11:1–29
- Barkley RA, Murphy KR & Bush T (2001) Time perception and reproduction in young adults with A D H D. *Neuropsychol* 15:351–60
- Barkovich AJ (2003) Anomalies of the corpus callosum and cortical malformations. In: PG Barth (ed) *Disorders of neuronal migration*. London: McKeith Press, pp 83–103
- Barlow CHF (1978) *Mental retardation and related disorders*. Philadelphia: FA Davis Company
- Barnea-Goraly N, Menon V, Ko A *et al.* (2003) Investigation of white matter structure in velocardiofacial syndrome: a diffusion tensor imaging study. *Am J Psychiat* 160:1863–9
- Barneveld PS, Swaab H, Fagel S *et al.* (2014) Quality of life: A case-control-led long-term follow-up study, comparing young high-functioning adults with autism spectrum disorders with adults with others psychiatric disorders diagnosed in childhood. *Comp Psych* 55:302–10
- Barneveld PS, Swaab H, Van Engeland H *et al.* (2014) Crosssectional evidence for a decrease in cognitive function with age in children with autism spectrum disorders? *Autism Res* 7:527–34
- Baron IS, Fennell EB & Voeller KKS (1995) *Pediatric neuropsychology in the medical setting*. Oxford Un Press, New York, pp 451
- Baron-Cohen S (1988) Social and pragmatic deficits in autism: Cognitive or affective? *J Autism Dev Dis* 18:379–402
- Baron-Cohen S (1998) Does the study of autism justify minimalist innate modularity? *Learn & Indiv Differences* 10:179–91
- Baron-Cohen S (2017) Editorial Perspective: Neurodiversity – a revolutionary concept for autism and psychiatry. *JCPP* 58:744–47
- Baron-Cohen S, Allen J & Gillberg C (1992) Can autism be detected at 18 months? The needle, the haystack and the CHAT. *Br J Psychiat* 161:839–43
- Baron-Cohen S, Cox A, Baird G *et al.* (1996) Psychological markers in the detection of autism in infancy in a large population. *Br J Psychol* 168:158–63
- Baron-Cohen S, Leslie AM & Frith U (1985) Does the autistic child have a 'theory of mind'? *Cognition* 21:37–46
- Baron-Cohen S (1995) *Mindblindness*. Boston: MIT Press
- Baron-Cohen S, Ring HA, Bullmore ET *et al.* (2000) The amygdala theory of autism. *Neurosci & Biobehav Rev* 24:355–64
- Barr CL, Feng Y, Wigg KG *et al.* (2001) 5'-Untranslated region of the Dopamine D4 receptor gene and attention-deficit hyperactivity disorder. *Am J Med Genet (Neuropsychiat Gen)* 105:84–90
- Barr CS, Schwandt ML, Lindell SG *et al.* (2008). Variation at the mu-opioid receptor gene (OPRM1) influences attachment behavior in infant primates. *Proc Nat Acad Sci, USA*, 105:52777–81
- Barral J, Debù B & Rival C (2006) Developmental changes in unimanual and bimanual aiming movements. *Dev Neuropsychol* 29:415–29
- Barral J, Albaret J-M & Hauert C-A (2009) Des syncrénies aux mécanismes d'inhibition motrice chez l'enfant. *Thér psychomot Rech* 157:4–20
- Barral J, De Pretto M, Debù B *et al.* (2010) Activation and inhibition of bimanual movements in school-aged children. *Hum Physiol* 36:47–57
- Barrett J & Fleming AS (2011) Annual Research Review: All mothers are not created equal: neural and psychobiological perspectives on mothering and the importance of individual differences. *J Child Psychol Psychiat* 52:368–97
- Barrington KJ (2001) The adverse neurodevelopmental effects of postnatal steroids in the preterm infant: a systematic review of RCT's. *BMC Pediatrics* 1:1
- Barsalou LW (2008) Grounded cognition. *Ann Rev Psychol* 59:617–45
- Barth PG (1995) Het cerebellum bij kinderen met zwakzinnigheid. *T v Kindergeneesk* 63:11–15
- Barth PG (ed. 2003) *Disorders of neuronal migration*. London: McKeith Press, pp 205
- Barth PG, Stam FC, Oosterkamp RF *et al.* (1980) On the relationship between germinal layer haemorrhage and telencephalic leucoencephalopathy in the preterm infant. *Neuropädiat* 11:17–26
- Barthélémy S & Boulinguez P (2002) Manual asymmetries in the directional coding of reaching: further evidence for hemispatial effects and right hemisphere dominance for movement planning. *Exp Brain Res* 147:305–312
- Bartels A & Zeki S (2004) The neural correlates of maternal and romantic love. *Neuroimage* 21:1155–66
- Bartoli E, Devara E, Dang HQ *et al.* (2024) Default mode network electrophysiological dynamics and causal role in creative thinking. *Brain*. 147:3409–25
- Bartolomeo P (2002) The relationship between visual perception and visual mental imagery: A reappraisal of the neuropsychological evidence. *Cortex* 38:357–78

- Baslow MH (2011) The vertebrate brain, evidence of its modular organization and operating system: insights into the brain's basic units of structure, function, and operation and how they influence neuronal signalling and behaviour. *Front Behav Neurosci* 5:5
- Basser LS (1962) Hemiplegia of early onset and the faculty of speech with special reference to the effects of hemispherectomy. *Brain* 85:427
- Basso A & Scarpa MT (1990) Traumatic aphasia in children and adults: A comparison of clinical features and evolution. *Cortex* 26:501–14
- Bassolino M, Bouzerda-Wahlen A, Moix V *et al.* (2019) You or me? Disentangling perspectival, perceptual, and integrative mechanisms in heterotopagnosia. *Cortex* 120:212–22
- Bast N, Mason L, Freitag C *et al.* (2020) Saccade dysmetria indicates attenuated visual exploration in autism spectrum disorder. *JCPP*, doi:10.1111/jcpp.13267
- Bastian AJ, Mink JW, Kaufman BA *et al.* (1998) Posterior vermal split syndrome. *Ann Neurol* 44:601–10
- Batalle D, Hughes EJ, Zhang H *et al.* (2017) Early development of structural networks and the impact of prematurity on brain connectivity. *Neuroimage* 149:379–92
- Bates Ames L (1946) The development of the sense of time in the young child. *J Gen Psychol* 68:97–126
- Bates E, Benigni L, Bretherton *et al.* (1979) Cognition and communication from nine to thirteen months: correlational findings. In: E Bates *et al.* (eds) *The emergence of symbols: cognition and communication in infancy*. New York: Acad Press,
- Bates E & Dick F (2002) Language, gesture and the developing brain. *Dev Psychobiol* 40:293–310
- Bates E, O'Connell B, Vaid J *et al.* (1986) Language and hand preference in early development. *Dev Neuropsychol* 2:1–15
- Bates E, Thal D, Janowsky JS (1992) Early language development and its neural correlates. In: Segalwitz SJ & Rapin I (eds) *Handbook of Neuropsychology, Vol 7: Child Neuropsychology. Part 2*. Elsevier, Amsterdam, pp 69–110
- Bates E, Thal D, Trauner D *et al.* (1997) From first words to grammar in children with focal brain injury [Review]. *Dev Neuropsychol* 13:275–343
- Bates E, Vicari S & Trauner D (1999) Neural mediation of language development: Perspectives from lesion studies of infants and children. In: Tager Flusberg H (Ed) *Neurodevelopmental disorders*. Cambridge, Massachusetts: Bradford Book, MIT Press, pp 533–581
- Battelli L, Cavanagh P, Martini P *et al.* (2003) Bilateral deficits of transient visual attention in right parietal patients. *Brain* 126:2164–74
- Battini R, Bianchi MC, Tosetti M *et al.* (2002) Leukoencephalopathy with bilateral anterior temporal lobe cysts: A further case of this new entity. *J Child Neurol* 17:773–6
- Battro A (2000) *Half a brain is enough. The story of Nico*. Cambridge Un Press, Cambridge, pp 118
- Bauer RM (1982) Visual hypoemotionality as a symptom of visual limbic disconnection in man. *Arch Neurol* 39:702–8
- Bauer RM (1984) Autonomic recognition of names and faces: A neuropsychological application of the Guilty Knowledge Test. *Neuropsychol* 22:457–69
- Bauman ML (1996) Brief report: Neuroanatomic observations of the brain in pervasive developmental disorders. *J Autism Dev Disord* 26:199–203
- Bauman M & Kemper TL (1985) Histoanatomic observations of the brain in early infantile autism. *Neurol* 35:866–74 (see also Kemper and Bauman)
- Baumeister AA & Hawkins MF (2001) Incoherence of neuroimaging studies of attention deficit/hyperactivity disorder. *Clin Neuropharmacol* 24:2–10
- Baynes K, Eliassen JC, Lutsep HL *et al.* (1998) Modular organization of cognitive systems masked by interhemispheric integration. *Sci* 280:902–5
- Bax M (1989) Editorial. *DMCN* 31:707–8
- Bax M & Whitmore K (1987) Neurodevelopmental screening in the school entrant medical examination. *DMCN* 29:40–55
- Bear DM (1979) Temporal lobe epilepsy – a syndrome of sensory–limbic hyperconnection. *Cortex* 15:357–84
- Bear DM (1979) The temporal lobes: An approach to the study of organic behavioral changes. In: Gazzaniga MS (ed), vol 2. *Neuropsychology*. King FA (general ed) *Handbook of Behavioral Neurobiology*. Plenum Press, New York, pp 75–95
- Bear DM (1986) Hemispheric asymmetries in emotional function: a reflection of lateral specialization in cortical–limbic connections. In: Doane BK & Livingston KE (eds) *The Limbic system*. Praeger Press, New York
- Bearzotti F, Tavano A & Fabbro F (2007) Development of orofacial praxis of children from 4 to 8 years of age. *Perc & Motor Skills* 104:1355–66
- Beaton AA (2002) Dyslexia and the cerebellar deficit hypothesis. *Cortex* 38:479–90
- Beaudet AL (2016) Using Fetal Cells for Prenatal Diagnosis: History and Recent Progress. *Am J Med Gen Part C (Seminars Med Gen)* 172C:123–7
- Beaumanoir A (1985) The Landau–Kleffner syndrome. In: J Roger, C Dravet, M Bureau *et al.* (eds) *Epileptic syndromes in infancy, childhood and adolescence*. John Libbey Eurotext, Paris, pp 181–92
- Beaumanoir A, Ravnik I & Tassinari CA (1984) Le syndrome de Landau–Kleffner. In: Roger J, Dravet C, Bureau M *et al.* (eds) *Les syndromes épileptiques de l'enfant et de l'adolescent*. John Libbey Eurotext Ltd, pp 185–195, 196–197, 206–209, 218–221, 336
- Beauvois M–F, Saillant B, Meininger V *et al.* (1978) Bilateral tactile aphasia: A tacto–verbal dysfunction. *Brain* 101:381–401
- Beebe B & Lachman FM (1988) Mother–infant mutual influence and precursors of psychic structure. In: *Progress in Self Psychology*, ed. Goldberg A Hillsdale NJ: Analytic Press 3:3–25
- Bechara A, Tranel D & Damasio H (2000) Characterization of the decision–making deficit of patients with ventromedial prefrontal cortex lesions. *Brain* 123:2189–2202
- Becker LE, Armstrong DL & Chan F (1986) Dendritic atrophy in children with Down's syndrome. *Ann Neurol* 20:520–26
- Becker S (2009) Dagblad Trouw op 11-04-2013
- Becker SP, Brown A, Langberg JM *et al.* (2025) Later ("evening") circadian preference is associated with poorer executive, academic, and attentional functioning in adolescents with and without ADHD. *JCPP* 66:53–63
- Becker–Mattes A, Mattes JA, Abikoff H *et al.* (1985) State–dependent learning in hyperactive children receiving methylphenidate. *Am J Psychiatry* 142:455–59
- Bédard MA, El Massioui F, Pillon B *et al.* (1993) Time for reorienting of attention: A premotor hypothesis of the underlying mechanism. *Neuropsychol* 31:241–9
- Beebe B & Lachman FM (1988) Mother–infant mutual influence and precursors of psychic structure. In: *Progress in Self Psychology*, ed. Goldberg A & Hillsdale NJ: Analytic Press 3:3–25
- Beebe DW (2011) Cognitive, behavioral, and functional consequences of inadequate sleep in children and adolescents. *Ped Clin North Am* 58:649–65
- Beebe DW, Difrancesco MW, Tlustos, SJ *et al.* (2009) Preliminary fMRI findings in experimentally sleep–restricted adolescents engaged in a working memory task. *Behav Brain Funct* 5:1–7
- Beers M (2003) Klankproductieproblemen: een fonologische benadering. *Stem-, Spraak- Taalpathol* 11:245–59
- Beery DC & Buktenica N (1967) *Developmental Test of Visual–Motor Integration*. Follett, Chicago
- Béglé V, Benoit CE, Correa A *et al.* (2017) "Lost in time" but still moving to the beat. *Neuropsychol* 94:129–38
- Begum Ali J, Cowie D & Bremner AJ (2014). Effects of posture on tactile localization by 4 years of age are modulated by sight of the hands: evidence for an early acquired external spatial frame of reference for touch. *Dev Sci* 17: 935–43
- Begum–Ali J, Gossé LK, Mason L *et al.* (2023) Infant sleep predicts trajectories of social attention and later autism traits. *JCPP* 64:1200–11
- Behan P & Geschwind N (1985) Dyslexia, congenital anomalies, and immune disorders: The role of the fetal environment. In: F Nottebohm (ed) *Hope for a new neurology*. Ann NY Acad Sci 457:13–9
- Behrmann M, Avidan G, Leonard GL *et al.* (2006) Configural processing in autism and its relationship to face processing. *Neuropsychol* 44:110–29
- Belelli D, Lambert JJ, Wan MLY *et al.* (2025) From bugs to brain: unravelling the GABA signalling networks in the brain–gut–microbiome axis. *Brain* 148:1479–1506
- Belger A & Banich MT (1998) Costs and benefits of integrating information between the cerebral hemispheres: A computational perspective. *Neuropsychol* 12:380–98
- Belin P, McAdams S, Thivard L *et al.* (2002) The neuroanatomical substrate of sound duration discrimination. *Neuropsychologia* 40:1956–64

- Bellugi U, Poizner H, Klima ES (1989) Language, modality and the brain. *TINS* 12:3808
- Belmon LS (2023) *Let them sleep, for when they are awake, they will move mountains: A multisectoral approach to promoting children's sleep health. PhD-Thesis - Research and graduation internal, Free Un. Amsterdam*
- Belsky J & de Haan M (2011) Annual Research Review: Parenting and children's brain development: the end of the beginning. *J Child Psychol Psychiat* 52:409–28
- Benavidez DA, Fletcher JM, Hannay HJ *et al.* (1999) Corpus callosum damage and inter-hemispheric transfer of information following closed head injury in children. *Cortex* 35:315–36
- Bender LA (1957) Specific reading disability as a maturational lag. *Bull Orton Soc* 7:9–18
- Bender B, Fry E, Pennington B *et al.* (1983) Speech and language development in 41 children with sex chromosome anomalies. *Pediatrics* 71:262–67
- Benedetti G (1977) Das Borderline-Syndrom. *Nervenarzt*
- Beniczky S, Trinka E, Wirrell E *et al.* (2025) Updated classification of epileptic seizures: Position paper of the International League Against Epilepsy. *Epilepsia*. Apr 23
- Benita N, Gordon-Hacker A, Gueron-Sela N (2020) Sleep Through Toddlerhood: The Distinct Roles of Overall Media Use and Use of Media to Regulate Child Distress. *J Dev Behav Pediatr* doi: 10.1097/DBP.00000000000000836
- Benítez-Burraco A & Murphy E (2019) Why Brain Oscillations Are Improving Our Understanding of Language. *Front Behav Neurosci* 13:190
- Ben-Itzhak E & Zachor DA (2020) Toddlers to Teenagers: Long-term Follow-Up Study of Outcomes in Autism Spectrum Disorder. *Autism* 24:41–50
- Bennett HS, Selman JE, Rapin I *et al.* (1982) Nonconvulsive epileptiform activity manifesting as ataxia. *Am J Dis Child* 136:30–2
- Bennett MR & Hacker PMS (2003) *Philosophical Foundations of Neuroscience*. Wiley-Blackwell
- Benoit D, Zeana EH, Parker KCH *et al.* (1997) Working model of the child interview: Infant clinical status related to maternal perceptions. *Inf Ment Health J* 18:107–121
- Benson DF (1985) Aphasia. In: KM Heilman and E Valenstein (eds) *Clinical Neuropsychology*. Oxford Univ Press, New York, pp 17–47
- Benson DF (1985) The significance of hemispheric specialization for clinical medicine. In: Benson DF & Zaidel E (eds) *The dual brain. Hemispheric specialization in humans*. The Guilford Press, New York, pp 385–92
- Benson DF (1986) Alexia. In: Vinken PJ, Bruyn GW, Klawans HL (eds) *Frederiks JAM (co-ed) Clinical neuropsychology*. Elsevier, Amsterdam, pp 433–56
- Benson DF & Zaidel E (eds 1985) *The dual brain. Hemispheric specialization in humans*. The Guilford Press, New York
- Bentin S, Sahar A & Moscovitch M (1984) Intermanual information transfer in patients with lesions in the trunk of the corpus callosum. *Neuropsychol* 22:601–12
- Benton A (1985) Body schema disturbances: Finger agnosia and right-left disorientation. In: Heilman KM & Valenstein E (eds) *Clinical neuropsychology*. Oxford Univ Press, New York, pp 115–29
- Benton AL (1959) *Right-left discrimination and finger localization*. PB Hoeber Inc, New York
- Benton AL (1964) *Developmental aphasia and brain damage*. *Cortex* 1:40–52
- Benton AL (1967) Constructional apraxia and the minor hemisphere. *Confin neurol* 29:1–16
- Benton AL (1977) The amusias. In: M Critchley and RA Henson (eds) *Music and the Brain*. Thomas, Springfield
- Benton AL (1985) Visuo-perceptual, visuo-spatial, and visuoconstructive disorders. In: Heilman KM & Valenstein E (eds) *Clinical neuropsychology*. Oxford Univ Press, New York, pp 151–86
- Benton AL, Sivan AB, Hamsher *et al.* (1994) *Contributions to neuropsychological assessment. A clinical manual*. Second ed. Oxford University Press, New York, pp 159
- Benton AL, Varney NR & De S Hamsher K (1978) Lateral differences in tactile directional perception. *Neuropsychol* 16:109–14
- Berbel P, Guadaño-Ferraz A, Angulo A *et al.* (1994) Role of thyroid hormones in the maturation of interhemispheric connection in rats. *Beh Brain Res* 64:9–14
- Berckelaer-Onnes A van & Engeland H van (1986) *Children and autism*. (Dutch) Boom, Meppel
- Berckelaer-Onnes IA van (1992, Dutch) Leven naar de letter. *Tijdschr Orthopedag* 31:413–24
- Berenbaum SA (2001) Cognitive function in congenital adrenal hyperplasia. *Endocrinol Metab Clin N Am* 30:173–92
- Berenbaum SA (2002) Prenatal androgens and sexual differentiation of behavior. In E Eugster & OH Pescovitz (Eds) *Developmental endocrinology: From research to clinical practice* (pp. 293–312). Totowa, NJ: Humana Press
- Bernard CO, McKinlay A, Krieser D *et al.* (2020) Postconcussive Symptoms Following Mild TBI and Extracranial Injury: What Are the Contributing Factors? *JINS* 26:451–63
- Bertenthal BI & Longo MR (2007) Is there evidence of a mirror system from birth? *Dev Sci* 10:527–9
- Berger E (ed 1977) *Minimale cerebrale Dysfunktion bei Kindern*. Kritische literaturüberblick. Arbeiten zur theorie und praxis der rehabilitation in medizin, psychologie und sonderpädagogik 16. Huber, Bern
- Berger E (ed 1977) *Teilleistungs-schwächen bei Kindern*. Arbeiten zur Theorie und Praxis der Rehabilitation in Medizin, Psychologie und Sonderpädagogik 15. Hans Huber, Bern
- Berger E, Friedrich MH & Schuch B (1985) *Verhaltensbeurteilung bei Kindern und Jugendlichen*. Allgemeine und spezielle Psychopathologie. Thieme, Stuttgart
- Bergès J (2005) *Le corps dans la neurologie et dans la psychanalyse*. Ed. Èrès, Ramonville Saint-Agne
- Bergès J, Harrison A & Lairy G (1965) EEG and speech disturbances in children. *EEG Clin Neurophysiol* 18:425
- Bergès J, Harrison A, Lairy G *et al.* (1968) L'EEG de l'enfant dyspraxique. *EEG Clin Neurophysiol* 25:208–20
- Bergès J, Harrison A & Stambak M (1965) Etude sur la lateralité. *Rev Neuropsych Inf* 13:185–206
- Bergès J, Harrison A, Salzarulo P *et al.* (1968) Etude sur la lateralité II. Le problème de la lateralité pathologique. *Rev Neuropsych Inf* 16:351–64
- Bergès J & Lézine I (1972) *Test d'imitation de gestes. Techniques d'exploration du schéma corporel et des praxies chez l'enfant de 3 à 6 ans*. Masson, Paris
- Bergsma A (2003) *Het Brein van A tot Z*. Het Spectrum, Utrecht
- Bergström A, Stringer C, Hajdinjak M *et al.* (2021) Origins of modern human ancestry. *Nature*, 590:229–37
- Berk LE (1994) Why children talk to themselves. *Sci Am* nov:60–5
- Berk M, Leboyer M & Sommer IE (eds., 2021) *Immuno-Psychiatry. Facts and Prospects*. Switzerland: Springer Nature, e-book
- Berker E, Goldstein G, Lorber J *et al.* (1992) Reciprocal neurological developments of twins discordant for hydrocephalus. *DMCN* 34:623–32
- Berlin CI & Culler JK (1975) *Dichotic signs of speech mode listening*. In: Cohen A & Nooteboom SG (eds) *Structure and process in speech perception*. Springer, Berlin
- Berlin CI, Culler JK, Lowe-Bell SS *et al.* (1974) *Speech perception after hemispherectomy and temporal lobectomy*. Speech communication seminar, Almqvist and Wiksell, Stockholm
- Berlucchi G, Aglioti S, Marzi CA *et al.* (1995) Corpus callosum and simple visuomotor integration. *Neuropsychol* 33:923–36
- Berlucchi G & Rizzolatti G (1987) Selective visual attention. (special issue on visual attention) *Neuropsychol* 25:1–3
- Berlucchi G & Aglioti SM (2010) The body in the brain revisited *Exp Brain Res* 200:25–35
- Bermppohl F, Pascual-Leone A, Amedi A *et al.* (2005) Dissociable networks for the expectancy and perception of emotional stimuli in the human brain. *NeuroImage* 30:588–600
- Bernard JA, Taylor SF & Seidler RD (2010) Handedness, Dexterity, and Motor Cortical Representations. *J Neurophysiol* 105:88–99
- Berninger VW & Rutberg J (1992) Relationship of finger function to beginning writing: Application to diagnosis of writing disabilities. *DMCN* 34:198–215
- Bernstein LE & Stark RE (1985) Speech-perceptual development in language-impaired children: A 4-year follow-up study. *J Speech Hear Disord* 50:21–30
- Bernal B & Perdomo J (2008) Brodmann's Interactive atlas 1.1 <http://www.fmriconsulting.com/brodmann/>
- Bernal B, Altman NR (2003) Speech delay in children: a functional MR imaging study. *Radiol* 229:651–8
- Berthoz A (1997) *Le sens du mouvement*. Editions Odile Jacob, Paris, pp 345

- Barrow E & Oyeboode F (2018) Body integrity identity disorder: clinical features and ethical dimensions. *BJPsych Advances*, 25:187–95
- Baslow MH (2011) The vertebrate brain, evidence of its modular organization and operating system: insights into the brain's basic units of structure, function, and operation and how they influence neuronal signalling and behaviour. *Front Behav Neurosci* 5:5
- Berquin PC, Giedd JN, Jacobsen LK *et al.* (1998) Cerebellum in attention-deficit hyperactivity disorder. A morphometric MRI study. *Neuro* 50:1087–93
- Berry-Kravis E (2002) Epilepsy in fragile X-syndrome. *DMCN* 44:724–8
- Bertenthal BI & Longo MR (2007) Is there evidence of a mirror system from birth? *Dev Sci* 10:527–9
- Berthet M, Surbeck M, Townsend SW (2025) Extensive Compositionality in the Vocal System of Bonobos, *Science*, 3 April
- Bertholet FM (2010) Concubines en courtesanes. De vrouw in de Chinese erotische kunst. Brussel: Mercatorfonds
- Bertoncini J, Morais J, Bijeljac-Babic R *et al.* (1989) Dichotic perception and laterality in neonates. *Brain Lang* 37:591–605
- Berthoz A (1997) *Le sens du mouvement*. Paris: Ed Odile Jacob, pp 345
- Berthoz S, Armony JL, Blair RJR *et al.* (2002) An fMRI study of intentional and unintentional (embarrassing) violations of social norms. *Brain* 125:1696–1708
- Bertoncini J, Morais J, Bijeljac-Babic R *et al.* (1989) Dichotic perception and laterality in neonates. *Brain Lang* 37:591–605
- Berwick RC & Chomsky N (2016) *Why only us. Language and evolution*. The MIT Press
- Berwick RC & Chomsky N (2017). Why only us: Recent questions and answers. *J Neuroling* 43:166–77
- Berwick RC, Friederici AD, Chomsky N & Bolhuis J (2012) Evolution, brain, and the nature of language. *TICS* 17:89–98
- Besser A, Vliegen N, Luyten P *et al.* (2008) Investigation of vulnerability to postpartum depression from a psychodynamic perspective: systematic empirical base. Commentary on issues raised by Blum (2007). *Psychoanal Psychol* 25:392–410
- Best CT (1985) *Hemispheric function and collaboration in the child*. Academic Press Inc, New York
- Bettelheim B (1967) *The empty fortress, infantile autism and the birth of the self*. Free Press, New York
- Bhatia MS, Saha R, Doval N (2016) Delusional Disorder in a Patient with Corpus Callosum Agenesis. *J Clin Diagn Res* 10:VD01–VD02
- Bhutia AT, Cleves MA, Casey PH *et al.* (2002) Cognitive and behavioral outcomes of school-aged children who were born preterm. *JAMA* 288:728–37
- Biederman J, Ball SW, Monuteaux MC *et al.* (2008) New insights into the comorbidity between ADHD and major depression in adolescent and young adult females. *JAACAP* 47:426–34
- Biederman J, Keenan K, Faraone S *et al.* (1991) Attention Deficit Hyperactivity Disorder: Family–Genetic Risk Factors and Comorbidity. In: N Amir, I Rapin, D Branski (eds) *Pediatric Neurology: Behavior and Cognition of the Child with Brain Dysfunction*. Karger, Basel, pp 70–94
- Biederman J, Melmed RD, Patel A *et al.* (2008) A Randomized, Double-Blind, Placebo-Controlled Study of Guanfacine Extended Release in Children and Adolescents With Attention-Deficit/Hyperactivity Disorder. *Pediatrics* 121:73–84
- Biemond A & de Jong JMBV (1969) On cervical nystagmus and related disorders. *Brain* XCII:437–58
- Bigelow AE (1981) Children's tactile identification of miniaturized common objects. *Dev Psychol* 17:111–14
- Bihle AM, Bellugi U, Delis D *et al.* (1989) Seeing either the forest or the trees: Dissociation in visuospatial processing. *Brain Cogn* 11:37–49
- Bijlsma A, Beunders VAA, Dorrepaal DJ *et al.* (2023) Sleep and 24-hour rhythm characteristics in preschool children born very preterm and full term. *J Clin Sleep Med*. 19:685–93
- Bijlsma EK, Oosterwijk JC, Leschot NJ *et al.* (2005) *Leerboek medische genetica*. Amsterdam:Elsevier
- Billard C, Autret A, Laffont F *et al.* (1981) Aphasie acquise de l'enfant avec épilepsie à propos de 4 observations avec état de mal électrique infraclinique du sommeil. *Rev EEG Neurophysiol* 11:457–67
- Billard C, Gillet P, Barthez M–A *et al.* (1998) Reading ability and processing in Duchenne muscular dystrophy and spinal muscular atrophy. *DMCN* 40:12–20
- Binder JR, Conant LL, Humphries CJ *et al.* (2016) Toward a brain-based componential semantic representation. *Cogn Neuropsychol* 33:130–74
- Binder JR, Desai RH, Graves WW *et al.* (2009) Where is the semantic system? A critical review and meta-analysis of 120 functional neuroimaging studies. *Cereb Cortex* 19:2767–96
- Binder JR, Freiberg A, Heffernan J *et al.* (2025) Lesion correlates of impaired acoustic-phonetic perception after unilateral left hemisphere stroke. *Brain* 148:1421–1434
- Binkofski F & Buxbaum L.J (2013) Two action systems in the human brain. *Brain Lang*, 127:222–9
- Biondi A, Nogueira H, Dormont D *et al.* (1998) Are the brains of monozygotic twins similar? A three-dimensional MR study. *AJNR* 19:1361–7
- Birch EE, Gwiazda J, Bauer J *et al.* (1983) Visual acuity and its meridional variations in children aged 7–60 months. *Vision Res* 23:1091–24
- Birch HG & Belmont L (1964) Auditory–visual integration in normal and retarded readers. *Am J Orthopsychiat* 34:852–61
- Birdwhistell RL (1970) *Kinesics and context. Essays on body motion communication*. Un Pennsylv Press, Philadelphia, pp 338
- Birdwhistell & Barfield T (1997) *The dictionary of anthropology*. Illinois: Blackwell Publishing
- Birnholz JC & Benacerraf BR (1983) The development of human fetal hearing. *Sci* 222:516–18
- Biro S & Leslie AM (2007) Infants' perception of goal-directed handelingen: development through cue-based bootstrapping. *Dev Sci* 10: 379–98
- Bishop DVM (1979) Comprehension in developmental language disorders. *DMCN* 21:225–38
- Bishop DVM (1983) Linguistic impairment after left hemidecortication for infantile hemiplegia? A reappraisal. *Q J Exp Psychol* 35A:199–207
- Bishop DVM (1984) Using non-preferred hand skill to investigate pathological left-handedness in an unselected population. *DMCN* 26:214–26
- Bishop DVM (1985) Age of onset and outcome in acquired aphasia with convulsive disorder (Landau-Kleffner syndrome). *DMCN* 27: 705–12
- Bishop DVM (1986) Is there a link between handedness and hypersensitivity? *Cortex* 22:289–96
- Bishop DVM (1987) The causes of specific developmental language disorder ('developmental dysphasia'). *JCPP* 28:1–8
- Bishop DVM (1988) Otitis media and developmental language disorder: a reply to Gordon. *JCPP* 29:365–68
- Bishop DVM (1989) Autism, Asperger syndrome and semantic-pragmatic disorder: Where are the boundaries? *Br J Dis Commun* 24: 107–21
- Bishop DVM (1990) Handedness, clumsiness and developmental language disorders. *Neuropsychol* 28:681–90
- Bishop DVM (1992) *Hand Preference*. Clin Dev Med 77–78 SIMP. Heinemann, London. Lippincott, Philadelphia, pp 208
- Bishop DVM (1997) Cognitive neuropsychology and developmental disorders – uncomfortable bedfellows. *Quart J Exp Psychol Hum Exp Psychol* 50:899–923
- Bishop DVM (1997) Pre- and perinatal hazards and family background in children with specific language impairments: A study of twins. *Brain Lang* 56:1–26
- Bishop DVM (2001) Genetic and environmental risks for specific language impairment in children. *Phil Trans Royal Soc London Series B–Biol Sci* 356:369–80
- Bishop DVM (2002) Cerebellar abnormalities in developmental dyslexia: Cause, correlate or consequence? *Cortex* 38:491–8
- Bishop DVM (2017) Why is it so hard to reach agreement on terminology? The case of developmental language disorder (DLD). *Int J Lang Commun Disord* 52:671–80
- Bishop DVM (2002) Motor immaturity and specific speech and language impairment: Evidence for a common genetic basis. *Am J Med Genet Neuropsychiat Genet* 114:56–63
- Bishop DVM, Carlyon RP, Deeks LM *et al.* (1999) Auditory temporal processing impairment: Neither necessary nor sufficient for causing language impairment in children. *J Speech, Lang, hear Res* 42:1295–1310
- Bishop DVM & Edmundson A (1987) Specific language impairment as a maturational lag: evidence from longitudinal data on language and motor development. *DMCN* 29:442–59
- Bishop DVM, North T, Donlan C *et al.* (1995) Genetic basis of specific language impairment: evidence from a twin study. *DMCN* 37:56–71
- Bisiacchi CA, Marzi R, Nicoletti R *et al.* (1994) Left–right asymmetry of callosal transfer in

normal human subjects. *Beh Brain Res* 64:173–8

Bisiach E, Vallar G, Perani D *et al.* (1986) Unawareness of disease following lesions of the right hemisphere: Anosognosia for hemiplegia and anosognosia for hemianopia. *Neuropsychol* 24:471–82

Bizzozero I, Costato D, Della Sala S *et al.* (2000) Upper and lower face apraxia: Role of the right hemisphere. *Brain* 123:2213–30

Black FW (1983) Digit repetition in learning-disabled children. *J Clin Psychol* 39:263–67

Black P, Blumer D, Wellner AM *et al.* (1981) Head trauma in children: Neurological, behavioral, and intellectual sequelae. In: Black P (ed) *Brain dysfunction in children. Etiology, diagnosis, and management*. Raven Press, New York, pp 171–80

Blader JC, Garrett AS, Pliszka SR (2025) Annual Research Review: What processes are dysregulated among emotionally dysregulated youth? - a systematic review. *JCPP* 66:516–46

Bladergroen WJ (1954) *Children with learning difficulties*. Acta Psychother, Psychosom, Orthopedagog 5

Bladergroen WJ (1971) *Lichamelijke en geestelijke ontwikkeling/development van of hetthe child* (Dutch). Wet.Uitgeverij nv, Amsterdam

Blanke O (2012) Multisensory brain mechanisms of bodily self-consciousness. *Nat Rev Neurosci*, 13:556–71

Blanke O & Dieguez S (2009) Leaving Body and Life Behind: Out-of-Body and Near-Death Experience. Chapter 23 in: S. Laureys & G. Tononi (Eds.) *The Neurology of Consciousness*. Amsterdam:Elsevier

Blanke O, Mohr C, Michel C *et al.* (2005) Linking out-of-body experience and self processing to mental own-body imagery at the temporoparietal junction. *J Neurosci* 25:550–7

Blanke O, Slater M & Serino A (2015). Behavioral, Neural, and Computational Principles of Bodily Self-Consciousness. *Neuron*, 88:145–66

Blakemore C (1985) The nature of explanation in the study of the brain. In: CW Coen (ed) *Functions of the brain*. Clarendon Press, Oxford, pp 181–99

Blakemore S–J, Rees G & Frith ChrD (1998) How do we predict the consequences of our actions? A functional imaging study. *Neuropsychol* 36:521–9

Blakeslee TR (1980) *The right brain. A new understanding of the unconscious mind and its creative powers*. Macmillan, London.

Blanchette N, Smith ML, King S *et al.* (2002) Cognitive development in school-age children with vertically transmitted HIV infection. *Dev Neuropsychol* 21:223–41

Blanke O, Mohr C, Michel C *et al.* (2005) Linking out-of-body experience and self processing to mental own-body imagery at the temporoparietal junction. *J Neurosci* 25:550–7

Blankenstijn CJK & Scheper AR (2006). Kinderen met een psychiatrische stoornis en hun taalontwikkeling. In Peters HFM *et al.* (red.), *Handboek stem-spraak-taalpathologie*. Houten/Antwerpen: Bohn Stafleu van Loghum

Blankenstijn C & Scheper AR (2003) *Language development in children with psychiatric impairment*. Thesis, UvA

Blankenstijn CJK & Scheper AR (2003) Language development in children with psychiatric impairment. *Acad proefschrift*, 82 LOT Publications, Utrecht

Blanton RE, Levitt JG, Thompson PM *et al.* (2001) Mapping cortical asymmetry and complexity patterns in normal children. *Psychiat Res–Neuroimaging* 107:29–43

Blasi A, Lloyd-Fox S, SethnaV *et al.* (2015) A typical processing of voice sounds in infants at risk for autism spectrum disorder. *Cortex* 71:122e133

Blaw ME & Sheehan JC (1958) Acute cerebellar syndrome of childhood. *Neuro* 8:538–42

Blegvad B & Hvidegaard T (1983) Hereditary dysfunction of the brain stem auditory pathways as the major cause of speech retardation. *Scandin Audiol* 12:179–87

Bleichrodt N, Drenth PJD, Zaal JN *et al.* (1987) *RAKIT: Handleiding bij de Revisie Amsterdamse Kinder Intelligentie Test*. Swets & Zeitlinger, Lisse

Bleier R, Houston L, Byne W *et al.* (1986) Can the corpus callosum predict gender, age, handedness, or cognitive differences? *TINS* 9:391–94

Bleuler E (1911) *Dementia praecox oder Gruppe der Schizophrenien*. Handbuch der Psychiatrie, Leipzig

Bliss TPV & Lømo T (1973) Long-lasting potentiation of synaptic transmission in the dentate area of the anaesthetized rabbit following stimulation of the perforant path. *J Physiol* 232:331–56

Blom I, De Schryver ELLM, Kappelle LJ *et al.* (2003) Prognosis of haemorrhagic stroke in childhood: A long-term follow-up study. *DMCN* 45:233–9

Blom RM, van der Wal SJ, Vullink N *et al.* (2017) Role of Sexuality in Body Integrity Identity Disorder (BIIID): A Cross-Sectional Internet-Based Survey Study. *J Sex Med* 14:1028–35

Blomkvist A (2022) Aphantasia: In search of a theory. *Mind & Language*: July 29, 1–23

Blomquist HK, Bohman M, Edvinsson SO *et al.* (1985) Frequency of the fragile X syndrome in infantile autism. A swedish multicenter study. *Clin Genet* 27:113–17

Blomstedt P, Hariz MI, Lees A *et al.* (2008) Acute severe depression induced by intraoperative stimulation of the substantia nigra: A case report. *Parkins & Rel Dis*, 14:253–6

Blonder LX, Bowers D, Heilman KM *et al.* (1991) The role of the right hemisphere in emotional communication. *Brain* 114:1115–1127

Blondis ThA, Cook Jr E, Koza–Taylor P *et al.* (1996) Asperger syndrome associated with Steinert’s myotonic dystrophy. *DMCN* 38:840–7

Bloom JS & Hynd GW (2005) The Role of the Corpus Callosum in Interhemispheric Transfer of Information: Excitation or Inhibition? *Neuropsychol Rev* 15:59–71

Blum A, André M, Droulle P *et al.* (1990) Prenatal echographic diagnosis of corpus callosum agenesis: The Nancy experience 1982–1989. *Genet Couns* 1:115–26

Blumstein SE, Baker E, Goodglass H *et al.* (1977) Phonological factors in auditory comprehension in aphasia. *Neuropsychol* 15:19–30

Blythe P & McGlown DJ (1979) *An organic basis for neuroses and educational difficulties*. Chesternr: Insight Publications.

Boatman D, Freeman J, Vining E *et al.* (1999) Language recovery after left hemispherectomy in children with late-onset seizures. *Ann Neurol* 46:579–86

Bocci T, Pietrasanta M, Cerri Ch *et al.* (2014) Visual callosal connections: role in visual processing in health and disease. *Rev Neurosci* 25:113–27

Bode D & Knoors H (2003) Het effect van het gebruik van gebaren op de woordproductie van kinderen met specifieke taalstoornissen. *VHZ* 43:4–9

Boder E (1973) Developmental dyslexia: A diagnostic approach based on three atypical reading–spelling patterns. *DMCN* 15:663–87

Boecker H, Kleinschmidt A, Requardt M *et al.* (1994) Functional cooperativity of human cortical motor areas during self-paced simple finger movements; A high-resolution MRI study. *Brain* 117:1231–39

Boehm I, Mennigen E, Geisler D *et al.* (2024) Dynamic functional connectivity in anorexia nervosa: alterations in states of low connectivity and state transitions. *JCPP*, 65:1299–1310

Boersma M, Kemner C, de Reus MA, *et al.* (2013) Disrupted functional brain networks in autistic toddlers. *Brain Connect* 3:41–9

Boets B, Op de Beeck HP, Vandermosten M *et al.* (2013) Intact but less accessible phonetic representations in adults with dyslexia. *Sci* 342:1251–53

Bogen JE (1985a) Split-Brain syndromes. In: Frederiks JAM (ed) *Handbook of clinical neurology*. vol 45. Elsevier, Amsterdam pp 99–106

Bogen JE (1985b) The stabilized syndrome of hemisphere disconnection. In: Benson DF & Zaidel E (eds) *The dual brain. Hemispheric specialization in humans*. The Guilford Press, New York, pp 289–304

Bogen JE & Bogen GM (1988) Creativity and the corpus callosum. *Psychiatr Clin North Am*. 11:293–301

Bogen JE (1993) The callosal syndromes. In: Heilman KM & Valenstein E (Eds.) *Clinical neuropsychology*. pp 337–407, Oxford University Press

Bogon J, Finke K & Schulte-Korne G (2014) Parameter-based assessment of disturbed and intact components of visual attention in children with developmental dyslexia. *Devel Sci* 17:697–713

Bohlken MM, Mandl RC, Brouwer RM *et al.* (2014) Heritability of structural brain network topology: A DTI study of 156 twins. *Hum Brain Mapp*. 35:5295–305

Böhm B, Katz–Salamon M, Smedler A–Ch *et al.* (2002) Developmental risks and protective factors for influencing cognitive outcome at 5 1/2 years of age in very-low-birthweight children. *DMCN* 44:508–16

Böhning M, Campbell R, Karmiloff-Smith A *et al.* (2002) Audiovisual speech perception in

- Williams syndrome. *Neuropsychol* 40:1396–1406
- Boisclair M, Hadjinicolaou A, Nigram M (2023) Clinical Reasoning: A Three-Year-Old Boy With Abnormal Movements During Sleep. *Neurol* 101:1134–9
- Boisgueheneuc F du, Levy R, Volle E *et al.* (2006) Functions of the left superior frontal gyrus in humans: a lesion study. *Brain*, 129:3315–28
- Bojinova V, Dimova P & Belopitova L (2000) Clinical manifestations of cerebrovascular hypoplasias in childhood. *J Child Neurol* 15:166–71
- Bolanos AA, Bleck EE, Firestone P *et al.* (1989) Comparison of stereognosis and two-point discrimination testing of the hands of children with cerebral palsy. *DMCN* 31:371–6
- Bolduc ME, Lambert H, Ganesha-moorthy S (2018) Structural brain abnormalities in adolescents and young adults with congenital heart defect: a systematic review. *DMCN* 60:1209–124
- Boller F & Grafman J (1985) Acalculia. In: PJ Vinken, GW Bruyn and HL Klawans (eds) *Handbook of clinical neurology*, vol 45. Revised series 1, *Clinical neuropsychology* by JAM Frederiks [co-ed]. Elsevier Sci Publ, Amsterdam, pp 473–81
- Bolton PF & Griffith PD (1997) Association of tuberous sclerosis of temporal lobes with autism and atypical autism. *Lancet* 349:392–5
- Bonardi CM, Mignot C, Serratos JM *et al.* (2020) Expanding the clinical and EEG spectrum of CNKSR2-related encephalopathy with status epilepticus during slow sleep (ESES). *Clin Neurophysiol* 131:1030–9
- Bonvillian JD, Richards HC & Dooley TT (1997) Early sign language acquisition and the development of hand preference in young children. *Brain Lang* 58:1–22
- Boot N, Maas M, Mühlfeld E *et al.* (2017a) Widespread neural oscillations in the delta band dissociate rule convergence from rule divergence during creative idea generation. *Neuropsychol* 104:8–17
- Boot N, Baas M, Van Gaal S *et al.* (2017b) Creative cognition and dopaminergic modulation of fronto-striatal networks: integrative review and research agenda. *Neurosci. Biobehav Rev* 78:13–23
- Booth JR, Burman DD, Meyer JR *et al.* (2002) Functional anatomy of intra- and cross-modal lexical tasks. *Neuroimage* 16:7–22
- Booth RH, Wallace GL & Happé F (2011) *Connectivity and the corpus callosum in autism spectrum conditions: Insights from comparison of autism and callosal agenesis*. In: O Braddick, J Atkinson & G Innocenti (Eds.) *Progress in Brain Research*, vol. 189
- Boothroyd A (1997) Auditory development of the hearing child. *Scand Audiol* 46:9–16
- Borde C, Mazaux J-M & Barat M (2006) Defective reproduction of passive meaningless gestures in right brain damage: A perceptual disorder of one's own body knowledge? *Cortex* 42:8–16
- Borel-Maisonny S (1961) Les troubles du langage dans les dyslexies et les dysorthographies. *Enfance* 5:400–44
- Borghi AM & Ferniough C (2021) Concepts, abstractness and inner speech. *Phil. Trans. R. Soc. B* 378: 20210371
- Borgomaneri S (2015) *Your emotion moves into my motor system*. Thesis, Univ Amsterdam
- Borgomaneri S, Vitale F, Avenanti A *et al.* (2017) Behavioral inhibition system sensitivity enhances motor cortex suppression when watching fearful body expressions. *Brain Struct Funct* 222:3267–82
- Bormann-Kischkel C (1986) Face recognition in children. *Eur Arch Psychiatr Neurol Sci* 236:17–20
- Bormann-Kischkel C, Vilsmeier M, Baude B (1995) The development of emotional concepts in autism. *JCPP* 36:1243–59
- Borod JC (1993) Emotion and the brain – anatomy and theory: An introduction to the Special Section. *Neuropsychol* 7:427–32
- Borod JC (2000) *The neuropsychology of emotion*. Oxford Un Press, Oxford, pp 511
- Borod JC, Cicero BA, Obler LK *et al.* (1998) Right hemisphere emotional perception – evidence across multiple channels SO – *Neuropsychology* 12:446–58
- Borod JC, Koff E & Caron HS (1983) Right hemispheric specialization for the expression and appreciation of emotion: A focus on the face. In: Perecman E (ed) *Cognitive function in the right hemisphere*. New York: Academic, pp 83–110
- Borod JC, Koff E, Perlman Lorch M *et al.* (1986) The expression and perception of facial emotion in brain-damaged patients. *Neuropsychol* 24:169–80
- Boronat S, Delgado I, Felipe A *et al.* (2017). Pediatric Klüver–Bucy Syndrome: Report of Two Cases and Review of the Literature. *Neuropediatr*, 49:104–11
- Boros M, Magyari L, Morvai B *et al.* (2024) Neural evidence for referential understanding of object words in dogs. *Curr Biol*. 34:1750–4.e4.
- Borsting E, Ridder WH III, Dudeck K *et al.* (1996) The presence of a magnocellular defect depends on the type of dyslexia. *Vision Res* 36:1047–53
- Bos AF, Van Braeckel KN, Hitzert MM *et al.* (2013) Development of fine motor skills in pre-term infants. *DMCN* 55:1–4
- Bos H & Grewel F (1963) Orthopedagogic–orthodidactic approach of a child with met acoustic agnosia. (Dutch) *T v Orthoped* 2:5
- Bos KP van den (1979) Learning Disabilities and wisc– or wisc–r profiles. (Dutch) *Pedag Stud* 56:397–408
- Bosse JD, Clak KD, Dion KA *et al.* (2023) Transgender and nonbinary young adults' depression and suicidality is associated with sibling and parental acceptance-rejection. *J Nurs Scholarsh*. May 26. doi: 10.1111/jnu.12917
- Bosseler AN, Meltzoff AN, Bierer S *et al.* (2024) Infants' brain responses to social interaction predict future language growth. *Curr Biol*. 34:1–8
- Botez MI (1996) *Neuropsychologie clinique et neurologie du comportement*. 2ème Ed. Masson, Paris
- Botez MI, Botez Th, Olivier M *et al.* (1985) Parietal lobe syndromes. In: PJ Vinken and GW Bruyn (eds) *Handbook of clinical neurology*. vol 45: *Clinical neuropsychology* (JAM Frederiks, ed). Elsevier Sci Publ, pp 63–85
- Botvinick M & Cohen J (1998) Rubber hands 'feel' touch that eyes see. *Nature* 391:756
- Botvinick M (2004) Probing the neural basis of body-ownership. *Sci* 305:782–3
- Botting N & Conti-Ramsden G (1999) Pragmatic language impairment without autism: The children in question. *Autism* 3:371–96
- Botting N & Conti-Ramsden G (2003) Autism, primary pragmatic difficulties, and specific language impairment: can we distinguish them using psycholinguistic markers? *DMCN* 45: 515–24
- Botting N, Jones A, Denmark T *et al.* (2016) Nonverbal Executive Function is Mediated by Language: A Study of Deaf and Hearing Child. *Child Dev* 88:1689–1700
- Botting N, Powls A & Cooke RWI (1997) Attention deficit hyperactivity disorders and other psychiatric outcomes in very low birthweight children at 12 years. *JCPP* 38:931–41
- Boucher J (2012) Research review: structural language in autistic spectrum disorder - characteristics and causes. *JCPP* 53:219–33
- Boudreau DM & Hedberg NL (1999) A comparison of early literacy skills in children with Specific Language Impairment and their typically developing peers. *Am Journal of Speech–Lang Pathol* 8:249–60
- Bouma A, Mulder J, Lindeboom J *et al.* (2012) *Handboek neuropsychologische diagnostiek*. Boom uitg, Amsterdam
- Bouma A & König CE (2014) Diagnostiek bij kinderen vanuit een ontwikkelingsneuropsychologische benadering. In: Tak *et al.* (red.) *Handboek Psychodiagnostiek voor de hulpverlening aan kinderen en adolescenten*. Utrecht: De tijdstroom
- Bourdillon P, Guenot M, Beuriant PA *et al.* (2018) The frontal eye field. *Neuro* 90:398–99
- Bourgeois J-P (2010) The neonatal synaptic big bang. In: Lagerkrantz H, *et al.*, eds (2009). *The newborn Brain. Neuroscience and clinical applications*. Cambridge UK, Cambridge Un. Press, pp. 71–97
- Bouyssi-Kobar M, De Asis-Cruz J, Murnick J *et al.* (2019) Altered functional brain network integration, segregation, and modularity in infants born very preterm at term-equivalent age. *J Pediatr* 213:13–21
- Bowlby J (1958) The nature of the child's tie to his mother. *Int J Psychoanal* 39:350–73
- Bowlby J (1969) *Attachment, Vol 1. Attachment and loss*. Basic Books, New York
- Bowlby J (1973) *Separation, anxiety and anger, Vol 2. Attachment and Loss*. Basic Books, New York
- Boyd TA, Ernhart CB, Greene TH *et al.* (1991) Prenatal alcohol exposure and sustained attention in the preschool years. *Neurotox Teratol* 13:49–55
- Boysson-Bardies B, Sagart L & Durand C (1984) Discernible differences in the babbling of infants according to target language. *J Child Lang* 11:1–15
- Braddick O & Atkinson J (2013) Visual control of manual actions: brain mechanisms in typical

- development and developmental disorders. *DMCN* 55:13–8
- Bradford A, Murdoch B, Thompson E *et al.* (1997) Lip and tongue function in children with developmental speech disorders: a preliminary investigation. *Clin Ling & Phon* 11:363–87
- Bradford ME & Wilcox WP (1967) More cases of atropinism. Letters to the editor. *Nw Engl J Med* 277:1209
- Bradley C (1950) Benzedrine and dexedrine in the treatment of children's behavior disorders. *Pediatrics* 5:24–37
- Bradlow AR, Kraus N, Nicol TG *et al.* (1999) Effects of lengthened formant transition duration on discrimination and neural representation of synthetic CV syllables by normal and learning-disabled children. *J Acoust Soc Am* 106:2086–96
- Bradshaw JL (2001) *Developmental disorders of the frontostriatal system*. Psychol Press, Hove
- Bradshaw JL, Burden V & Nettleton NC (1986) Dichotic and dichhaptic techniques. *Neuropsychol* 24:79–90
- Bradshaw JL, Nettleton NC, Wilson LE *et al.* (1987) Line bisection by left-handed preschoolers: A phenomenon of symmetrical neglect. *Brain Cogn* 6:377–85
- Bradshaw AR, Woodhead ZVJ, Thompson PA *et al.* (2019) Inconsistent lateralisation of language functions: A risk factor for language impairment? *Eur J Neurosci* 51
- Brady OJ, Osgood-Zimmerman A, Kassebaum NJ *et al.* (2019) The association between Zika virus infection and microcephaly in Brazil 2015–2017: An observational analysis of over 4 million births. *PLoS Med* 16(3): e1002755
- Braet C & Berking M (2019) Emotieregulatie-training bij kinderen en adolescenten: Werkboek. Houten: Bohn Stafleu van Loghum
- Braga RM & Leech R (2015) Echoes of the Brain: Local-Scale Representation of Whole-Brain Functional Networks within Transmodal Cortex. *The Neuro-scientist* 1–12
- Brain and Development (1990) *Proceedings on Rett– syndrome conference* 1988. 12:1–184
- Brain and Development (1992) *Proceedings on Rett– syndrome conference* 1991. 14:1–151
- Brain and Development (2001) *World congress on Rett– syndrome* 2000. 24:1–254
- Brainstorm Consortium (2018) Analysis of shared heritability in common disorders of the brain. *Sci* 360: 6395
- Brakke K & Pacheco MM (2019) The Development of Bimanual Coordination Across Toddlerhood. *Monogr Soc Res Child Dev* 84:333
- Branch WB, Cohen MJ & Hynd GW (1995) Academic achievement and attention-deficit/hyperactivity disorder in children with left- or right-hemisphere dysfunction. *J Learn Disab* 28:35–43
- Branch Coslett H, Bowers D & Heilman KM (1987) Reduction in cerebral activation after right hemisphere stroke. *Neurol* 37:957–62
- Branch Coslett H, Brashear HR & Heilman KM (1984) Pure word deafness after bilateral primary auditory cortex infarcts. *Neurol* 34:347–52
- Brandi M-L, Wohlschlagel A, Sorg C *et al.* (2014) The Neural Correlates of Planning and Executing Actual Tool Use. *J Neurosci*, 34:13183–94
- Brandler WM, Morris AP, Evans DM *et al.* (2013) Common variants in left/right asymmetry genes and pathways are associated with relative hand skill. *PLoS Genet*. 9:e1003751
- Brandler WM & Paracchini S (2013) The genetic relationship between handedness and neurodevelopmental disorders. *Trends Mol Med* 20:83–90
- Brass M, Ruby P & Spengler S (2009) Inhibition of imitative behaviour and social cognition. *Philos Trans Roy Soc of London* 364:2359–67
- Brazelton TB, Tronick E, Adamson *et al.* (1975) Early mother-infant reciprocity. *Ciba Found Symp*. 33:137–54
- Breen N, Caine D & Coltheart M (2000) Models of face recognition and delusional misidentification: A critical review. *Cogn Neuropsychol* 17:55–71
- Breitling D, Guenther W & Rondot P (1987) Auditory perception of music measured by brain electrical activity mapping. *Neuropsychol* 25:765–74
- Brem S, Bach S, Kucian K *et al.* (2010) Brain sensitivity to print emerges when children learn letter–speech sound correspondences. *Proc Natl Acad Sci* 107:7939–44
- Bremner JD, Randall P, Scott TM *et al.* (1995) MRI-based measurement of hippocampus volume in patients with combat-related posttraumatic stress disorder. *Am J Psychiat* 152:973–81
- Brenner MW, Gillman S, Zangwill OL *et al.* (1967) Visuo–motor disability in schoolchildren. *Br med J* 4:259–62
- Breslau N & Chilcoat HD (2000) Psychiatric sequelae of low birth weight at 11 years of age. *Biol Psychiat* 47:1005–11
- Bresson F (1972) Aspects génétiques de la perception. In: H Hécaen (ed) *Neuropsychologie de la perception visuelle*. Masson, Paris, pp 168–81
- Bretherton I (1987) New perspectives on attachment relationships: security, communication and internal working models. In JD Osofsky (ed), *Handbook of infant development*. Wiley, New York, pp.1061–1100
- Bretherton I, McNew S & Beeghly-Smith M (1981) Early person knowledge as expressed in gestural and verbal communication: When do infants acquire a "theory of mind?" In M. Lamb and L. Sherrod (Eds.) *Infant social cognition* (pp. 333–373) Hillsdale, New Jersey:Erlbaum Associates/Bridges RS (ed, 2008) *Neurobiology of the parental brain*. London, Ac. Press
- Brett EM (1983) Intracranial and spinal cord tumors. In: Brett (ed) *Paediatric neurology*. Churchill Livingstone, Edinburgh, pp 430–61
- Brett EM (2nd ed. 1991) *Paediatric Neurology*. Churchill Livingstone, Edinburgh
- Brett EH (ed 1997) *Paediatric neurology* 3rd ed. Edinburgh: Churchill Livingstone
- Bridgman MW, Brown WS, Spezio ML *et al.* (2014) Facial emotion recognition in agenesis of the corpus callosum. *J Neurodev Disord*. 6:32
- Briellmann RS, Berkovic SF & Jackson GD (2000) Men may be more vulnerable to seizure-associated brain damage. *Neurol* 55:1479–85
- Briggs-Gowan MJ, Pollak SD, Grasso D *et al.* (2015) Attention bias and anxiety in young children exposed to family violence. *JCPP* 56:1194–1201
- Briggs-Gowan MJ, Pollak SD, Grasso D *et al.* (2015) Attention bias and anxiety in young children exposed to family violence. *JCPP* 56:1194–1201
- Brinkman C (1984a) Lesions in supplementary motor area interfere with a monkey's performance of a bimanual coordination task. *Neurosci Lett* 27:267–70
- Brinkman C (1984b) Supplementary motor area of the monkey's cerebral cortex: short- and long-term deficits after unilateral ablation and the effects of subsequent callosal section. *J Neurosci* 4:918–29
- Brinkman C & Kuypers HGJM (1973) Cerebral control of contralateral and ipsilateral arm, hand and finger movements in the split-brain rhesus monkey. *Brain* 96:653–74
- Briscoe J, Gathercole SE & Marlow N (1998) Short-term memory and language outcomes after extreme prematurity at birth. *J Speech Lang Hearing Res* 41:654–66
- Bristow, D, Dehaene-Lambertz, G, Mattout J *et al.* (2009) Hearing faces: How the infant brain matches the face it sees with the speech it hears. *J Cogn Neurosci* 21:905–21
- Brizzolara D & Brovedani P (2000) Interhemispheric communication in children with callosal agenesis. In: D Riva & A Benton (eds) *Localization of brain lesions and developmental functions*. Mariani Found Paed Neurol: 9. John Libbey & Company Ltd, Eastleigh, England, pp 35–40
- Brizzolara D, Ferretti G, Brovedani P *et al.* (1994) Is interhemispheric transfer time related to age? A developmental study. *Beh Brain Res* 64:179–84
- Broadbent DE (1958) *Perception and communication*. Pergamon Press, Oxford
- Broca P (1878) Anatomie comparée des circonvolutions cérébrales: le grande lobe limbique et la scissure limbique dans la série des mammifères. *Rev D'Anthropol* 1:385–498
- Broca P (1861) Remarques sur le siège de la faculté du langage articulé, suivies d'une observation d'aphémie (perte de la parole). *Bull Soc Anat Paris* 6:330–57
- Brodal A (1958) *Reticular formation of the brain stem*. Edinburgh, Scotland: Oliver & Boyd
- Brodal A (1981) *Neurological anatomy in relation to clinical medicine*. 3rd ed. Oxford University Press, New York
- Brodie MJ, Moore MR, Thompson GG *et al.* (1977) Pregnancy and the acute porphyrias. *Br J Obst Gyn* 84:726–31
- Brodman K (1909) *Vergleichende Lokalisationslehre der Grosshirnrinde : in ihren Principien dargestellt auf Grund des Zellenbaues*. Leipzig: Johann Ambrosius Barth Verlag; translated: see Garey LJ
- Broglio C, Gomez A, Dur'an E *et al.* (2005) Hallmarks of a common forebrain vertebrate plan: Specialized pallial areas for spatial, tem-

- poral and emotional memory in actinopterygian fish. *Brain Res Bull* 66: 277–81
- Broman M, Rose AL, Hotson G *et al.* (1997) Severe anterograde amnesia with onset in childhood as a result of anoxic encephalopathy. *Brain* 120:417–33
- Broman M, Rudel RG, Helffgott E *et al.* (1986) Inter- and intrahemispheric processing of letter stimuli by dyslexic children and normal readers. *Cortex* 22:447–59
- Brooks R & Meltzoff AN (2002) The importance of eyes: how infants interpret adult looking behaviour. *Dev Psychol* 38:958–66
- Brookshire BL, Chapman SB, Song J *et al.* (2000) Cognitive and linguistic correlates of children's discourse after closed head injury: A three-year follow-up. *J Int Neuropsychol Soc* 6:741–51
- Bröring T, Rommelse N, Sergeant J *et al.* (2008) Sex differences in tactile defensiveness in children with ADHD and their siblings. *Dev Med Child Neurol* 50:129–33
- Broser PJ, Groeschel S, Hauser T-K *et al.* (2012) Functional MRI-guided probabilistic tractography of cortico-cortical and cortico-subcortical language networks in children. *NeuroImage* 63:1561–70
- Brothers L & Ring B (1992) A neuroethological framework for the representation of minds. *J Cogn Neurosci* 4:107–18
- Brouwer O & Bakker D (2025) Kinderneurologie - van symptoom naar diagnose'. Utrecht: BSL
- Brouwers-de Jong EA, Burgmeijer RJF & Laurent de Angulo MS (red. 2005) Ontwikkelingsonderzoek op het consultatiebureau. Handboek bij het vernieuwde Van Wiechenonderzoek. Van Gorcum: Assen
- Broyd SJ, Demanuele C, Debener S *et al.* (2009) Default-mode brain dysfunction in mental disorders: a systematic review. *Neurosci Biobehav Rev* 33:279–96
- Brown JW (1979) Thalamic mechanisms in language. In: MS Gazzaniga (ed) *Handbook of behavioral neurobiology*. 2 *Neuropsychology*. Plenum Press, New York, pp 215–38
- Brown JW (1983) Rethinking the right hemisphere. In: E Perecman (ed) *Cognitive processing in the right hemisphere*. Academic Press, New York, pp 41–53
- Brown JW (1985) Frontal lobe syndromes. In: PJ Vinken and GW Bruyn (eds) *Handbook of clinical neurology*. vol 45: *Clinical neuropsychology* (JAM Frederiks (ed). Elsevier's Sci Publ, pp 23–41
- Brown JW & Jaffe J (1975) Hypothesis on cerebral dominance. *Neuropsychol* 13:107–10
- Brown RT, Madan-Swain A, Walco GA *et al.* (1998) Cognitive and academic late effects among children previously treated for acute lymphocytic leukemia receiving chemotherapy as CNS Prophylaxis. *J Pediatr Psychol* 23:333–40
- Brown WS, Hoard M, Birath B *et al.* (2024) Imaginative elaboration in agenesis of the corpus callosum: topic modeling and perplexity. *J Int Neuropsychol Soc*. 30:643–50
- Brown WS & Paul LK (2019) The Neuropsychological Syndrome of Agenesis of the Corpus Callosum. *J Int Neuropsychol Soc*. 25:324–30
- Brown WS & Paul LK (2024) The corpus callosum and creativity revisited. *Front Hum Neurosci*. 12:18:1443970
- Brown WS, Paul LK, Symington M *et al.* (2005) Comprehension of humor in primary agenesis of the corpus callosum. *Neuropsychol*. 43:906–16
- Brown WS, Thrasher ED & Paul LK (2001) Interhemispheric Stroop effects in partial and complete agenesis of the corpus callosum. *J Int Neuropsychol Soc* 7:302–11
- Brown WT, Jenkins EC, Krawczun MS *et al.* (1986) The fragile x-syndrome. In: Wisniewski HM & Snider DA (eds) *Mental retardation: Research, education, and technology transfer*. Ann NY Acad Sci 471:129–50
- Brown S, Ingham RJ, Ingham JC *et al.* (2005) Stuttered and fluent speech production: an ALE meta-analysis of functional neuroimaging studies. *Hum Brain Mapp* 25: 105–17
- Brownell CA Zerwas S & Ramani GB (2007) "So Big": The Development of Body Self-Awareness in Toddlers. *Child Dev*, 78:1426–40
- Brownstein CA, Douard E, Mollon J *et al.* (2022) Similar Rates of Deleterious Copy Number Variants in Early-Onset Psychosis and Autism Spectrum Disorder. *Am J Psychiat*. 179:853–61
- Bruce HA, Kochunov P, Kvarita MD *et al.* (2023) Frontal white matter association with sleep quality and the role of stress. *J Sleep Res*. 32:e13669
- Bruce V & Young A (1986) Understanding face recognition. *Br J Psychol* 77:305–27
- Bruggeman R, Cath D & van der Linden C (2002) Het syndroom van Gilles de la Tourette: de rol van atypische antipsychotica in de behandeling. *Neuropsychiatr* 6:129–38
- Bruininks RH (1978) *The Bruininks-Oseretsky test of motor proficiency*. Am Guidance Serv, Circle Pines, Minnesota
- Brumback RA (2000) Weinberg's Syndrome: A disorder of attention and behavior problems needing further research. *J Child Neurol* 15:478–80
- Bruner J (1983) *Savoir faire, savoir dire*. puf, Paris
- Bruner JS (1966) *Toward a theory of instruction*. Harvard Univ Press, Cambridge (Mass)
- Brunia CH, de Jong BM *et al.* (2000) Visual feedback about time estimation is related to a right hemisphere activation measured by PET. *Exp Brain Res* 130:328–37
- Brunner HG, Nelen MR, Zandvoort van P *et al.* (1993) X-Linked borderline mental retardation with prominent behavioral disturbance: Phenotype, genetic localization, and evidence for disturbed monoamine metabolism. *Am J Hum Genet* 52:1032–9
- Brunquell PJ, Russman BS & Lerer TJ (1988) Mental status examination of children with learning problems. *Pediatr Neurol* 7:342–6
- Brunquell PJ, Russman BS & Lerer TJ (1991) Sources of information used in diagnosing childhood learning disabilities. *Pediatr Neurol* 5:32–6
- Bruyer R (1987) *The neuropsychology of face perception and facial expression*. Guilford Press, New York
- Bryden MP & Ley RG (1983) Right hemispheric involvement in imagery and affect. In: E Perecman (ed) *Cognitive processing in the right hemisphere*. Acad Press, New York, pp 111–20
- Bryden MP & Ley RG (1983) Right-hemispheric involvement in the perception and expression of emotion in normal humans. In: KM Heilman and P Satz (eds) *Neuropsychology of human emotion*. The Guilford Press, New York, pp 6–44
- Bryden PJ, Pryde KM & Roy EA (2000) A developmental analysis of the relationship between hand preference and performance: II. A performance-based method of measuring hand preference in children. *Brain Cogn* 43:60–4
- Brynska A, Tomaszewicz-Libudzic E & Wolanzyk T (2001) Obsessive-compulsive disorder and acquired toxoplasmosis in two children. *Eur Child Adolesc Psychiat* 10:200–4
- Buccino G, Binkofski F, Fink GR *et al.* (2001) Action observation activates premotor and parietal areas in a somatotopic manner: an fMRI study. *Eur J Neurosci* 13: 400–4
- Buchanan TW, Lutz K, Mirzazade S *et al.* (2000) Recognition of emotional prosody and verbal components of spoken language: an fMRI study. *Cogn Brain Res* 9:227–38
- Buchsbaum M & Wender P (1973) Average evoked responses in normal and minimally brain dysfunction children treated with amphetamine. *Arch Gen Psychiat* 29:764–70
- Buck R (1982) In: Feldman RS (Ed) *Development of Nonverbal Behavior in Children*, Springer Verlag, New York
- Buckley AW, Rodriguez AJ, Jennison A *et al.* (2010) REM Sleep Percentage in Children with Autism Compared to Children with Developmental Delay and Typical Development. *Arch Pediatr Adolesc Med* 164:1032–37
- Buckner RL, Andrews-Hannah JR, Schacter DL (2008) The brain's default network: anatomy, function, and relevance to disease. *Ann N Y Acad Sci* 1124:1–38
- Buchsbaum BR & D'Esposito M (2008) The search for the phonological store: from loop to convolution. *J Cogn Neurosci* 20:762–78
- Buekers R & Degens H (2007) Classificatie van kinderen met taalontwikkelingsstoornissen op het Audiologisch Centrum. *Stem Spraak Taalpatholog*, 15:53–66
- Bugiani Boor I, Powers JM *et al.* (2010) Leukoencephalopathy With Vanishing White Matter: A Review. *J Neuropath Exp Neurol* 69:987–96
- Buitelaar JK (red, 1993) *Diagnostiek en behandeling van ADHD*. Stichting onderwijs en Voorlichting, Utrecht, pp 135
- Buitelaar JK (2001). Discussies over aandachts-tekort-hyperactiviteitstoornis (ADHD): feiten, meningen en emoties. *NTvG* 145:1485–89
- Buitelaar JK (2003) Why have drug treatments been so disappointing? *Novartis Found Symp* 251:235–44
- Buitelaar JK (2004) Wat is een voldoende-goede behandeling voor ADHD? *T Psychiat* 46:27–29
- Buitelaar JK & Van der Gaag RJ (1998) Diagnostic rules for children with PDD-NOS and multiple complex developmental disorder. *JCPP* 39:911–19

- Buitelaar JK & van de Wetering BLM (eds, 1996) *Het syndroom van Gilles de la Tourette . Een leidraad voor diagnostiek en behandeling*. Assen: Van Gorcum
- Buizer A, de Sonnevle LMJ & Veerman AJP (2001) Attention and information processing in survivors of ALL – neuropsychological effects of chemotherapy related to age at diagnosis. *Med Pediatr Oncol* 37
- Buizer A, de Sonnevle LMJ & Veerman AJP (2001a) Effects of chemotherapy on attention and information processing in survivors of childhood cancer. *J Int Neuropsychol Soc* 7:140
- Buizer A, de Sonnevle LMJ & Veerman AJP (2002) Neuropsychological sequelae of childhood cancer. *Med Pediatr Oncol* 39:287
- Buizer A, de Sonnevle LMJ & Veerman AJP (2003) *Central nervous system (CNS)-directed chemotherapy in young children with acute lymphoblastic leukemia (ALL): long-term effects on neurocognitive function*. 45th ASH annual meeting
- Buklina SB (2005), The Corpus Callosum, Inter-hemisphere Interactions, and the Function of the Right Hemisphere of the Brain. *Neuroscie Behav Physiol*, 35:473–80
- Bullmore E (2018) *Het ontstoken brein. Een radicaal nieuwe aanpak van depressie*. Amsterdam: Prometheus
- Bullowa M (1979) Introduction: prelinguistic communication: a field for scientific research; In: Bullowa M (Ed.) *Before speech: the beginning of interpersonal communication* (pp.1–63). New York : Cambridge Un Press
- Bundey S & Brett EM (1985) *Genetics and neurology*. Churchill Livingstone, Edinburgh
- Bunge SA, Ochsner KN, Desmond JE *et al.* (2001) Prefrontal regions involved in keeping information in and out of mind. *Brain* 124:2074–86
- Burbaud P, Degreze Ph, Lafon Ph *et al.* (1995) Lateralization of prefrontal activation during internal mental calculation: A functional magnetic resonance imaging study. *J Neurophysiol* 74:2194–2200
- Burd L, Fisher W & Kerbeshian J (1989) Pervasive disintegrative disorder: are Rett syndrome and Heller dementia infantilis subtypes? *DMCN* 31:609–16
- Burd V, Bradshaw JL, Nettleton C *et al.* (1985) Hand and hemispace effects in tactual tasks in children. *Neuropsychol* 23:515–25
- Burgemeister AL, Daumiller E, du Bois G *et al.* (2018) Clinical report of 8 patients with 49,XXXXY syndrome: Delineation of the facial gestalt and depiction of the clinical spectrum. *Eur J Med Genet* 62:210–216
- Burgess PW & Stuss DT (2017) Fifty years of prefrontal cortex research: impact on assessment. *J Intern Neuropsychol Soc* 23:755–67
- Burk KC, Kaneko M, Quindipan C *et al.* (2024) Diagnostic Yield of Epilepsy-Genes Sequencing and Chromosomal Microarray in Pediatric Epilepsy. *Pediatr Neurol*. 150:50–6
- Burke SM, Manzouri AH, Dhejne C *et al.* (2018) Testosterone effects on the brain in transgender men. *Cereb Cortex*. 28:1582–96
- Burnley A, St Clair M, Bedford R *et al.* (2023) Understanding the prevalence and manifestation of anxiety and other socio-emotional and behavioural difficulties in children with Developmental Language Disorder. *J Neurodev Disord*. 15:17
- Burt AM (1993) *A textbook of neuro-anatomy*. Saunders
- Busan P, Del Ben G, Russo LR *et al.* (2019) Stuttering as a matter of delay in neural activation: A combined TMS/EEG study. *Clin Neurophysiol* 130:61–76
- Bushnell EW (1999) Children's Haptic and Cross-Modal Recognition With Familiar and Unfamiliar Objects. *J Exp Psychol: Hum Perc Perf* 25:1867–81
- Buot A & Yelnik J (2012) Functional anatomy of the basal ganglia: limbic aspects. *Rev Neurol* 168:569–75
- Buss C, Lord C, Wadiwalla M *et al.* (2007) Maternal care modulates the relationship between prenatal risk and hippocampal volume in women but not in men. *J Neurosci* 27:2592–5
- Butchko HH, Stargel WW, Comer CPH *et al* (2002) Aspartame: Review of Safety. *Reg Toxicol Pharmacol* 35:S1–S93
- Butler RA (1994) Asymmetric performances in monaural localization of sound in space. *Neuropsychol* 32:221–9
- Butler SC, Caron AJ & Brooks R (2000) Infant understanding of the referential way of looking. *J Cogn Dev* 1:359–77
- Butter CM, Snyder DR & McDonald JA (1970) Effects of orbital frontal lesions on aversive and aggressive behaviors in rhesus monkeys. *J Comp Physiol Psychol* 72:132–44
- Butterworth G & Hopkins B (1993) Origins of handedness in human infants. Annotation. *DMCN* 35:177–84
- Buzsaki G (2006) *Rhythms of the Brain*. New York: Oxford University Press
- Bymaster FP, Katner JS, Nelson DL *et al.* (2002) Atomoxetine increases extracellular levels of norepinephrine and dopamine in prefrontal cortex of rat: a potential mechanism for efficacy in ADHD. *Neuropsychopharm* 27:699–711
- Byring R & Järvillehto T (1985) Auditory and visual evoked potentials of schoolboys with spelling disabilities. *DMCN* 27:141–48
- C**
- Cabeza R & Nyberg L (2000) Neural bases of learning and memory: Functional neuroimaging evidence. *Curr Opin Neurol* 13:415–21
- Cai Q & Van der Haegen L (2015) What can atypical language hemispheric specialization tell us about cognitive functions? *Neurosci Bull* 31:220–26
- Cai Q & Van der Haegen L, Brysbaert M (2013) Complementary hemispheric specialization for language production and visuospatial attention. *PNAS* 110:E322–30
- Caine ED & Joynt RJ (1986) Neuropsychiatry. Again. *Arch Neurol* 43:325–7
- Caine D & Watson JG (2000) Neuropsychological and neuropathological sequelae of cerebral anoxia: A critical review. *J Intern Neuropsychol Soc* 6:86–99
- Calabrese P, Markowitsch HJ, Harders AG *et al.* (1995) Fornix damage and memory. A case report. *Cortex* 31:555–64
- Calabrese P, Markowitsch HJ, Durwen *et al.* (1999) The role of limbic and basal forebrain structures in the processing of nonconscious, emotional information. In Taddei-Ferretti C & Musio C (eds.) *Neuronal bases and psychological aspects of consciousness*. Singapore, World Scientific, pp. 100–4
- Callaghan M & Abu-Arafeh I (2001) Chronic posttraumatic headache in children and adolescents. *DMCN* 43:819–22
- Calder AJ, Keane J, Cole J *et al.* (2000) Facial expression recognition by people with Möbius syndrome. *Cog Neuropsychol* 17:73–87
- Callaghan M & Abu-Arafeh I (2001) Chronic posttraumatic headache in children and adolescents. *DMCN* 43:819–22
- Callaway E, Halliday R & Naylor H (1983) Hyperactive children's event-related potentials fail to support underarousal and maturational-lag theories. *Arch Gen Psychiatry* 40:1243–8
- Calvert GA (2001) Crossmodal processing in the human brain: Insights from functional neuroimaging studies. *Cerebral Cortex* 11:1110–23
- Calvert GA, Campbell R & Brammer MJ (2000) Evidence from functional magnetic resonance imaging of crossmodal binding in the human heteromodal cortex. *Curr Biol* 10:649–57
- Camfield PR, Gates R, Ronen G *et al.* (1984) Comparison of cognitive ability, personality profile, and school success in epileptic children with pure right versus left temporal lobe EEG foci. *Ann Neurol* 15:122–26
- Camminga TF, Hermans D, Segers E *et al.* (2021) Beyond the Senses: How Self-Directed Speech and Word Meaning Structure Impact Executive Functioning and Theory of Mind in Individuals With Hearing and Language Problems. *Front Psychol*. 12:646181
- Campanella S, Joassin F, Rossion B *et al.* (2001) Association of the distinct visual representations of faces and names: A PET activation study. *Neuroimage* 14:873–82
- Campbell JM, Marciniowski EC, Michel GF *et al.* (2018) The development of neuromotor skills and hand preference during infancy. *Dev Psychobiol* 60:165–75
- Campbell R (1982) The lateralisation of emotion: A critical review. *Intern J Psychol* 17:211–29
- Campbell R, Landis Th & Regard M (1986) Face recognition and lipreading. A neurological dissociation. *Brain* 109:509–21
- Canestri J & Glocer Fiorini L (2009) *The Experience of Time: Psychoanalytic Perspectives*. Routledge (Taylor & Francis), New York
- Canli T, Desmond JE & Zhao Z (1998) Hemispheric asymmetry for emotional stimuli detected with fMRI. *Neuroreport* 9:3233–9
- Canli T, Zhao Z, Desmond JE *et al.* (1999) fMRI identifies a network of structures correlated with retention of positive and negative emotional memory. *Psychobiol* 27:441–52
- Canna A, Prinster A, Monteleone AM (2017) Interhemispheric functional connectivity in anorexia and bulimia nervosa. *Europ J Neuroscience*, 45:1129–40
- Canna A, Prinster A, Monteleone AM *et al.* (2017) Interhemispheric functional connectivity

- in anorexia and bulimia nervosa. *Eur J Neurosci*. 45:1129–40
- Cannon WB (1927) The James-Lange Theory of Emotions: A Critical Examination and an Alternative Theory. *Am J Psychol* 39: 106–24
- Cantlon JF, Platt ML & Brannon EM (2009) Beyond the number domain. *Trends Cogn Sci* 13:83–91
- Cantor DS, Thatcher RW, Hrybyk M *et al.* (1986) Computerized EEG analyses of autistic children. *J Autism Dev Disord* 16:169–87
- Cantwell DP (1972) Psychiatric illness in the families of hyperactive children. *Arch Gen Psychiat* 27:414–17
- Cantwell DP (1975) Epidemiology, clinical picture and classification of the hyperactive child syndrome. In DP Cantwell (ed) *The hyperactive child*. Spectrum, New York
- Cantwell DP (1976) Genetic factors in hyperkinetic syndrome. *JAACAP* 15:214–23
- Cantwell DP & Baker L (1977) Psychiatric disorder in children with speech and language retardation, A critical review. *Arch Gen Psychiat* 34:583–91
- Cantwell DP & Baker L (1987) Psychiatric symptomatology in language-impaired children: A comparison. *J Child Neurol* 2:128–33
- Cantwell DP & Baker L (1991) Association between attention deficit-hyperactivity disorders and learning disorders. *J Learning Disab* 24:88–95
- Cantwell DP, Baker L & Mattison RE (1980) Psychiatric disorders in children with speech and language retardation. Factors associated with development. *Arch Gen Psychiat* 37:423–6
- Canu D, Van der Paelt S, Canal-Bedia R *et al.* (2020) Early non-social behavioural indicators of autism spectrum disorder (ASD) in siblings at elevated likelihood for ASD: a systematic review. *Eur Child Adol Psychiat*. <https://doi.org/10.1007/s00787-020-01487-7>
- Caparulo BK, Cohen DJ, Rothman SL *et al.* (1981) Computed tomographic brain scanning in children with developmental neuropsychiatric disorders. *JAACAP* 20:338–57
- Capek K (2019) *Hordubal*. Amsterdam: Wereldbibliotheek
- Capirci O, Iverson JM *et al.* (1996) Gestures and words during the transition to two-word speech. *J Child Lang* 23:645–73
- Caplan D, Gow D & Makris N (1995) Analysis of lesions by MRI in stroke patients with acoustic-phonetic processing deficits. *Neurol* 45:293–8
- Caplan D & Water GS (1999) Verbal working memory and sentence comprehension. *Beh Brain Sci* 22:77–126
- Caplan P & Kinsbourne M (1976) Baby drops the rattle, asymmetry of duration of the grasp by infants. *Child Dev* 47:532–4
- Cappa S, Sterzi R, Vallar G *et al.* (1987) Remission of hemineglect and anosognosia during vestibular stimulation. *Neuropsychol* 25:775–82
- Capps L, Kasari C, Yirmiya N *et al.* (1993) Parental perception of emotional expressiveness in children with autism. *J Consult Clin Psychol* 61:475–84
- Capps L, Yirmiya N & Sigman M (1992) Understanding of simple and complex emotions in non-retarded children with autism. *JCPP* 33:1169–82
- Capps L, Sigman M & Mundy P (1994) Attachment security in children with autism. *Dev Psychopath* 6:249–61
- Caramazza A & Zurif EB (1976) Dissociation of algorithmic and heuristic processes in language comprehension: evidence from aphasia. *Brain Lang* 3:572–82
- Cardillo R, Garcia RB, Mammarella IC *et al.* (2018) Pragmatics of language and theory of mind in children with dyslexia with associated language difficulties or nonverbal learning disabilities. *Appl Neuropsychol Child* 7:245–56
- Cardillo R, Lanfranchi S, Mammarella IC (2019) A cross-task comparison on visuospatial processing in autism spectrum disorders. *Autism*. 24(3): ???–???
- Cardoso De Oliveira S (2002) The neuronal basis of bimanual coordination: recent neurophysiological evidence and functional models. *Acta Psychol* 110:139–59450
- Carey LJ & De Courten C (1983) *Structural development of the Lateral Geniculate Nucleus in visual cortex in monkey en man*. *Behav Brain Res* 10, Elsevier Science Publishers, Amsterdam, pp 3–13
- Carey WB, McDevitt SC & Baker D (1979) Differentiating Minimal Brain Dysfunction and temperament. *DMCN* 21:765–72
- Carey W & McDevitt S (1978) Revision of the Infant Temperament Questionnaire. *Pediatrics* 61:735–739
- Cargill-Martin H (2024) *Messalina. De eigenzinnigste vrouw van Rome*. Utrecht: Uitg. Omniboek
- Carhart-Harris RL & Friston KJ (2010) The default-mode, ego-functions and free-energy: a neurobiological account of Freudian ideas. *Brain* 133:1265–83
- Carlson DF (1988) Pathological left-handedness: An analysis of theories and evidence. In: Moltes DL & Segalowitz SJ (eds) *Brain lateralization in children. Developmental implications*. Guilford Press, New York, pp 289–72
- Carlsson G, Hugdahl K, Uvebrant P *et al.* (1992) Pathological left-handedness revisited: Dichotic listening in children with left vs right congenital hemiplegia. *Neuropsychol* 30:471–81
- Carlsson G, Uvebrant P, Hugdahl K *et al.* (1994) Verbal and non-verbal function of children with right versus left-hemiplegic cerebral palsy of pre- and perinatal origin. *DMCN* 36:503–12
- Carmon A (1971) Sequenced motor performance in patients with unilateral cerebral lesions. *Neuropsychol* 9:445–9
- Carmon A, Harishanu, Y, Lowinger E *et al.* (1972) Asymmetries in Hemispheric Blood Volume and Cerebral Dominance. *Behav Biol*. 7: 853–59
- Carmon A & Nachson I (1973) Ear asymmetry in perception of emotional non-verbal stimuli. *Acta Psychol* 37:351–57
- Caron AJ, Kiel EJ, Dayton M & Butler S (2002) Comprehension of the referential intent of looking and pointing between 12 and 15 months. *J Cogn Dev* 3:345–64
- Carper RA & Courchesne E (2000) Inverse correlation between frontal lobe and cerebellum sizes in children with autism. *Brain* 123:836–44
- Carreiras M, Baquero Castellanos S, Seghier ML *et al.* (2009) An Anatomical Signature for Literacy. *Nature*. 461:983–6
- Carrera E & Tononi G (2014) Diaschisis: Past, Present, Future. *Brain*. 137: 2408–22
- Carriere M, Tomasello R & Pulvermüller . (2024) Can human brain connectivity explain verbal working memory? *Network*.12:1-42
- Carroll JM, Holden C, Kirby P *et al.* (2025) Toward a consensus on dyslexia: findings from a Delphi study. *JCPP* 66:1065–76
- Carroll SB (2005) *Endless forms most beautiful: The new science of Evo Devo and the making of the animal kingdom*. New York: Norton & Cy
- Carskadon MA (2011a) Sleep's effect on cognition and learning in adolescence. *Progr Brain Res* 190:137–43
- Carskadon MA (2011b) Sleep in adolescents: the perfect storm. *Ped Clin North Am* 58:637–47
- Carter B, Khoshnaw L, Simmons M *et al.* (2024) Personality Changes Associated with Organ Transplants. *Transplantation* 5:12–26
- Carter CO (1983) Genetics in relation to neurological disorders. In: EH Brett (ed) *Paediatric neurology*. Churchill Livingstone, Edinburgh, pp 500–7
- Carter GA & Hoffman P (2024) Discourse coherence modulates use of predictive processing during sentence comprehension. *Cognition*. 242:105637
- Carter GL & Kinsbourne M (1979) The ontogeny of right cerebral lateralization of spatial mental set. *Dev Psychol* 15:241–5
- Carver LJ, Meltzoff AN & Dawson G (2005) Event-related potential (ERP) indices of infants' recognition of familiar and unfamiliar objects in two and three dimensions. *Dev Sci* 9:51–62
- Carvill GL, Regan BM, Yendle SC *et al.* (2013) GRIN2A mutations cause epilepsy-aphasia spectrum disorders. *Nat Genet* 45:1073–76
- Casaer P (1979) *Postural behavior in newborn infants*. Heinemann, London
- Casalini C, Brizzolara D, Cavallaro MC *et al.* (1999) "Developmental dysmnesia". A case report. *Cortex* 35:713–27
- Casanova MF, Buxhoeveden DP, Switala AE *et al.* (2002) Neuronal density and architecture (gray level index) in the brains of autistic patients. *J Child Neurol* 17:515–21
- Casasanto D (2011) Different Bodies, Different Minds: The body-specificity of language and thought. *Curr Direct Psychol Sci* 20:378–83
- Case R (1992) The role of the frontal lobes in the regulation of cognitive development. *Brain Cogn* 20:51–73
- Case R, Kurland DM & Goldberg J (1982) Operational efficiency and the growth of short-term memory span. *J Exp Child Psychol* 33:386–404
- Case R, Kurland DM & Goldberg J (1982) Operational efficiency and the growth of short-term memory span. *J Exp Child Psychol* 33:386–404
- Caselli MC, Vicari S, Longobardi E *et al.* (1998) Gestures en words in early development of kinderen with down-syndroom. *J Speech Lang Hear Res* 41:1125–35
- Casey MB & Nuttall RL (1990) Differences in feminine and masculine characteristics in women as a function of handedness: Support

- for the Geschwind/Galaburda theory of brain organization. *Neuropsychol* 28:749–54
- Cassidy J & Marvin RS (1992) Attachment organization in preschool children. Procedures and coding manual (4th ed.) Unpublished manuscript. Un Virginia
- Casini L & Macar F (1999) Multiple approaches to investigate the existence of an internal clock using attentional resources. *Behav Processes* 45:73–85
- Caspi A, McClay J, Moffitt TE *et al.* (2002) Role of genotype in the cycle of violence in maltreated children. *Sci* 297:851–4
- Caspi A & Moffitt TE (2018) All for One and One for All: Mental Disorders in One Dimension. *Am J Psychiat* 175:831–44
- Cassidy S, Bradley P, Robinson J *et al.* (2014) Suicidal ideation and suicide plans or attempts in adults with Asperger's syndrome attending a specialist diagnostic clinic: a clinical cohort study. *Lancet Psychiat* 1:142–7
- Castelbaum L, Sylvester CM, Zhang Y *et al.* (2019) On the nature of monozygotic twin concordance and discordance for autistic trait severity: A quantitative analysis. *Behav Gen*, 50:263–72
- Castelein L, Steyaert J, Peeters H *et al.* (2019) Adolescent met schizofreniforme stoornis en terugkerende 16p11.2-duplicatie. T v Psychiat 61:421–5
- Castellanos FX, Giedd JN, Eckburg P *et al.* (1994) Quantitative morphology of the caudate nucleus in attention deficit hyperactivity disorder. *Am J Psychiat* 151:1791–6
- Castellanos FX, Lee PP, Sharp W *et al.* (2002) Developmental trajectories of brain volume abnormalities in children and adolescents with attention-deficit/hyperactivity disorder. *JAMA* 288:1740–48
- Castelli F, Frith C, Happe F *et al.* (2002) Autism, Asperger syndrome and brain mechanisms for the attribution of mental states to animated shapes. *Brain* 125:1839–49
- Catalan MJ, Honda M, Weeks RA *et al.* (1998) The functional neuroanatomy of simple and complex sequential finger movements: A PET study. *Brain* 121:253–64
- Catani M, Dell'Acqua F, Budisavljevic S (2016) Frontal networks in adults with autism spectrum disorder. *Brain* 139: 616–30
- Catani M, Howard RJ & Pajevic S (2002) Virtual in vivo interactive dissection of white matter fasciculi in the human brain. *Neuroimage* 17:77–94
- Catani M, Jones DK, Donato R *et al.* (2003) Occipito-temporal connections in the human brain. *Brain* 126:2093–2107
- Cath DC (2000) *Comparative studies in Gilles de la Tourette syndrome and obsessive compulsive disorder*. Thesis, Leiden. Isbn 90-9013717-3
- Catsman-Berrevoets CE, Van Dongen HR & Zwetsloot CP (1992) Transient loss of speech followed by dysarthria after removal of posterior fossa tumour. *DMCN* 34:1102–117
- Catts HW, Fey ME & Tomblin JB (2002) A longitudinal investigation of reading outcomes in children with language impairments. *J Speech, Lang, Hear Res* 45:1142–57
- Cavanna AE & Nani A (2013) Tourette Syndrome and Consciousness of Action. *Tremor Other Hyperkinet Mov (NY)* 3 doi: 10.7916/D8PV6J33
- Cavazutti GB, Capella L & Nalin A (1980) Longitudinal study of epileptiform EEG-patterns in normal children. *Epilepsia* 21:43–55
- Caviness VS, Jr, Kennedy DN, Richelme C *et al.* (1996) The human brain age 7–11 years: A volumetric analysis based on magnetic resonance images. *Cerebral Cortex* 6:726–36
- Caviness VS, Jr, Lange NT, Makris N *et al.* (1999) MRI-based brain volumetrics: emergence of a developmental brain science. *Brain & Dev* 21:289–95
- Cayami FK, La Piana R, van Spaendonck RML *et al.* (2015) POLR3A and POLR3B Mutations in Unclassified Hypomyelination. *Neuropediat* 46:221–8
- Cazzoli D & Chechlacz M (2017). A matter of hand: Causal links between hand dominance, structural organization of fronto-parietal attention networks, and variability in behavioural responses to transcranial magnetic stimulation. *Cortex* 86: 230–46
- Cela-Conde CJ & Ayala FJ (2003) Genera of the human lineage. *Proc Natl Acad Sci* 100:7684–9
- Celesia GG (1976) Organization of auditory cortical areas in man. *Brain* 99:403–14
- Cermak S (1985) Developmental dyspraxia. In: Roy EA (ed) *Neuropsychological studies of apraxia and related disorders*. North-Holland, Amsterdam, pp 225–48
- Cermak SA, Quintero EJ, Cohen PM (1980) Developmental age trends in crossing the body-midline in normal children. *Am J Occup Therapy* 34:313–19
- Cernáček J & Jágr J (1968) Dominancia ruky a nohy v dětství. *Brat Lek List* 49:494–96
- Cernáček J, Jágr J & Trávníková M (1974) Beziehung der motorischen Präferenz zur psychischen Reife bei Kindern. *Studia Psychologica XVI* 3:186–90
- Cernáček J & F Podivinsky (eds, 1972) *Cerebral interhemispheric relations*. Slovak Acad Sci Publ house
- Cerullo A, Marini C, Cevoli S *et al.* (2000) Colpocephaly in two siblings: further evidence of a genetic transmission *DMCN* 42:280–2
- Cervin M, McGuire JF, D'Souza JM *et al.* (2024) Efficacy and acceptability of cognitive-behavioral therapy and serotonin reuptake inhibitors for pediatric obsessive-compulsive disorder: a network meta-analysis. *JCPP* 65:594–609
- Cesario J, Johnson DJ, & Eisthen HL (2020) Yoyp brain is not an onion with a tiny reptile inside. *Curr Direc Psychol Sci* 29:255–60
- Chabot RJ, Orgill AA, Crawford G *et al.* (1999) Behavioral and electrophysiologic predictors of treatment response to stimulants in children with attention disorders. *J Child Neurol* 14:343–51
- Chabot RJ & Serfontein G (1996) Quantitative electroencephalographic profiles of children with attention deficit disorder. *Biol Psychiat* 40:951–63
- Chadwick O & Rutter M (1984) Neuropsychological Assessment.in: M Rutter (ed) *Developmental Neuropsychiatry*. Churchill Livingstone, Edinburgh, pp 181–212
- Chadwick O, Taylor E, Taylor A *et al.* (1999) Hyperactivity and Reading disability: a longitudinal study of the nature of the association. *JCPP* 40:1039–50
- Chagon J-Y, Croas J, Djenati G *et al.* (2018) *Approche clinique des troubles instrumentaux*. Malakoff, Dunod
- Chan J-L & Ross ED (1988) Left-handed mirror writing following right anterior cerebral artery infarction: Evidence for nonmirror transformation of motor programs by right supplementary motor area. *Neuro* 38:59–63
- Chan S, Kwong K, Hodge S *et al.* (2002) A voxel-based morphometric study in autism and language impairment. Int. Meeting Autism Res, Orlando, USA nov 2002
- Chan WWY, Shum KK, Downs J *et al.* (2025) Are ADHD trajectories shaped by the social environment? A longitudinal study of maternal influences on the preschool origins of delay aversion. *JCPP* 66:892–905
- Champagne DL, Bagot RC, van Hasselt F *et al.* (2008) Maternal care and hippocampal plasticity: evidence for experience-dependent structural plasticity, altered synaptic functioning, and differential responsiveness to glucocorticoids and stress. *J Neurosci* 28:6037–45
- Changeux J-P (1985) Neuronal man. *The biology of mind*. Oxford Univ Press, New York, pp 348
- Changeux J-P & Konishi M (eds, 1987) *The neural en molecular bases of learning*. J Wiley Sons, Chichester
- Chagnon J-L, Croas J, Djenati G *et al.* (2018) *Approche clinique des troubles instrumentaux (dysphasie, dyslexie, dyspraxie)*. Malakoff: Dunod (Fr)
- Chalmers DJ (1995) Facing Up to the Problem of Consciousness. *J Consoc Studies*, 2:200–19
- Chapman CA, de Plessis A & Pober BR (1996) Neurologic findings in children and adults with Williams syndrome. *J Child Neurol* 11:63–5
- Chapman RS (1997) Language development in children and adolescents with Down syndrome. *Ment Retard & Dev Disab Res Rev* 3:307–12
- Chapman RS, Seung HK, Schwartz SE *et al.* (1998) Language skills of children and adolescents with Down-syndrome – II – Production deficits. *J Speech Lang Hear Res* 41:861–73
- Chareyron LJ, Chong WKK, Banks T *et al.* (2023) Chareyron LJ, Paradoxical consequences of early hippocampal damage: greater atrophy is associated with better recall, working memory and visuospatial perception in developmental amnesia. doi.org/10.1101/2023.01.23
- Chareyron LJ, Chong WKK, Banks T *et al.* (2024) Anatomofunctional changes in neural substrates of cognitive memory in developmental amnesia: Insights from automated and manual Magnetic Resonance Imaging examinations. *Hippocampus*. 34:645–58
- Charman T (2003) Gestures and words during the transition to two-word speech. *J Child Lang* 23:645–73

- Charman T (2003) Why is joint attention a pivotal skill in autism? *Phil Trans R Soc Lond B-Biol Sci* 358:315–24
- Charuvastra A & Cioitire M (2008) Social bonds and posttraumatic stress disorder. *Ann Rev Psychol* 59:301–28
- Chase TN, Friedhoff AJ & Cohen DJ (1992) *Advances in Neurology, Vol 58. Tourette Syndrome: Genetics, Neurobiology, and Treatment*. Raven Press, New York, pp 377
- Chaudhary N & Swanepoel A (2023) Editorial Perspective: What can we learn from hunter-gatherers about children's mental health? An evolutionary perspective. *JCPP*. 13773
- Chaudhury S (2016) Epigenetic regulation in Autism spectrum disorder. *AIMS Genetics*, 3: 292–9
- Chauvin RJ, Mennes MJJ, Llera A *et al.* (2019) Disentangling common from specific processing across tasks using task potency *NeuroImage*, 184:632–45
- Chechlac M & Gleeson JG (2003) Is mental retardation a defect of synapse structure and function? *Pediatr Neurol* 29:11–7
- Chechlac M, Humphreys GW, Sotiropoulos SN *et al.* (2015). Structural Organization of the Corpus Callosum Predicts Attentional Shifts after Continuous Theta Burst Stimulation. *J Neurosci* 35:15353–68
- Chechlac M, Mantini D, Celine R (2015) Asymmetrical white matter networks for attending to global versus local features. *Cortex* 72:54–64
- Chen B, Linke A, Olson L (2020) Greater functional connectivity between sensory networks is related to symptom severity in toddlers with autism spectrum disorder, *JCPP* doi:10.1111/jcpp.13268
- Chen GC, Schloesser D, Arensdorf AM *et al.* (2020) The Emerging Science of Interoception: Sensing, Integrating, Interpreting, and Regulating Signals within the Self. *TINS, Special Issue: The Neuroscience of Interoception*.
- Chen JL, Penhune VB & Zatorre RJ (2008) Listening to musical rhythms recruits motor regions of the brain. *Cer Cortex* 18:2844–54
- Chen Q, Brikell I, Lichtenstein P *et al.* (2017) Familial aggregation of attention-deficit/hyperactivity disorder. *JCPP* 58:231–9
- Chen Q, Kenett YN, Cui Z *et al.* (2025) Dynamic switching between brain networks predicts creative ability. *Commun Biol*. 15:54
- Chepur NB, Yen YF, Burdette JH (2002) Diffusion anisotropy in the corpus callosum. *Am J Neurorad* 23:803–8
- Chernoff BL, Teghipco A, Garcea FE *et al.* (2018) A Role for the Frontal Aslant Tract in Speech Planning: A Neurosurgical Case Study. *J Cogn Neurosci* 30:752–69
- Cherry BJ & Hellige JB (1999) Hemispheric asymmetries in vigilance and cerebral arousal mechanisms in younger and older adults. *Neuropsychol* 13:111–20
- Cherry BJ, Yamashiro M, Anderson E *et al.* (2010) Exploring interhemispheric collaboration in older compared to younger adults. *Brain Cogn* 72:218–27
- Chi JG, Dooling EC & Gilles FH (1977) Gyral development of the human brain. *Ann Neurol* 1:86–93
- Chi JG, Dooling EC & Gilles FH (1977) Left-right asymmetries of the temporal speech areas of the human fetus. *Arch Neurol* 34:346–8
- Chi MTH (1976) Short-term memory limitations in children: capacity or processing deficits? *Mem & Cognition* 4:559–72
- Chiarello C (1980) A house divided? Cognitive functioning with callosal agenesis. *Brain Lang* 11:128–58
- Chiarello C (1995) Does the corpus callosum play a role in the activation and suppression of ambiguous word meanings? In: Kitterle FL (ed, 1991) *Cerebral laterality, theory and research*. Lawrence Erlbaum Publ, Hillsdale, New Jersey, pp 235
- Chicoine A–J, Proteau L & Lassonde M (2000) Absence of interhemispheric transfer of unilateral visuomotor learning in young children and individuals with agenesis of the corpus callosum. *Dev Neuropsychol* 18:73–94
- Chiel H & Beer R (1997) The brain has a body: adaptive behaviour emerges from interactions of nervous systems, body, and environment. *TINS* 20:553–7
- Childress AC, Findling RL, Wu J *et al.* (2020) Lisdexamfetamine Dimesylate for Preschool Children with Attention-Deficit/Hyperactivity Disorder. *J Child Adolesc Psychopharm* 30:128–36
- Chilosi AM, Cipriani P, Bertuccelli B *et al.* (2001) Early cognitive and communication development in children with focal brain lesions. *J Child Neurol* 16:309–16
- Chilton H, Mayer C & McCracken W (2018) Evidence of Theory of Mind in the Written Language of Deaf Children. *J Deaf Stud Deaf Educ*. 24:32–40
- Ching MS, Shen Y, Tan WH *et al.* (2010) Deletions of NRXN1 (neurexin 1) predispose to a wide spectrum of developmental disorders. *Am J Med Genet B Neuropsychiatr Genet* 153:937–47
- Chiron C, Jambaque I, Nabbout R *et al.* (1997) The right brain hemisphere is dominant in human infants. *Brain* 120:1057–65
- Chiron C, Leboyer M, Leon F *et al.* (1995) SPECT of the brain in childhood autism: Evidence for a lack of normal hemispheric asymmetry. *DMCN* 37:849–60
- Chiron C, Pinton F, Masure MC *et al.* (1999) Hemispheric specialization using SPECT and stimulation tasks in children with dysphasia and dystrophia. *DMCN* 41:512–20
- Chisolm JJ Jr (2001) The road to primary prevention of lead toxicity in children. *Pediatr* 107:581–3
- Chomsky N (1957/1966). *Syntactic Structures*. 6th ed., Mouton, Den Haag
- Chomsky N (1986) *Knowledge of language: its nature, origin and use*. New York: Praeger
- Chomsky N (2010). Some simple evolutionary theses: How true might they be for language. in R Larson, V Déprez & H Yamakido (Eds) *The Evolution of Human Language*. Cambridge, MA: Camb Un Press, pp 45–62
- Choux M & Yáñez A (1986) Arachnoid cysts. In: HJ Hoffman and F Epstein (eds) *Disorders of the developing nervous system: diagnosis and treatment*. Blackwell, Oxford, pp 175–89
- Christensen W Sutton J & Bicknell K (2019) Memory systems and the control of skilled action. *Philos Psychol*, 32:693–719
- Christiani K, Siebert S & Volker B (1977) Electroencephalografische Untersuchungen bei Verhaltensstörungen im Kindes- und Jugendalter. *Fortschr Neurol Psychiatr* 45:321–30
- Chu D, Huttenlocher PR, Levin DN *et al.* (2000) Reorganization of the hand somatosensory cortex following perinatal unilateral brain injury. *Neuropediatrics* 31:63–9
- Chua JYX, Tam W & Shorey S (2019) Research Review: Effectiveness of universal eating disorder prevention interventions in improving body image among children: a systematic review and meta-analysis. *JCPP* 61:522–35
- Chugani DC, Musik O, Behen M, *et al.* (1999) Developmental changes in brain serotonin synthesis capacity in autistic and nonautistic children. *Ann Neurol* 45:287–95
- Chugani DC, Musik O, Rothermel R *et al.* (1997) Altered serotonin synthesis in the dentothalamocortical pathway in autistic boys. *Ann Neurol* 42:666–9
- Chugani HT, Müller R–A & Chugani D (1996) Functional brain reorganization in children. *Brain Dev* 18:347–56
- Chugani HT & Phelps ME (1986) maturational changes in cerebral function in infants determined by 18FDG positron emission tomography. *Sci* 231:840–3
- Chugani HT, Phelps ME & Mazziotta JC (1987) Positron emission tomography study of human brain functional development. *Ann Neurol* 22:487–97
- Chui HC & Damasio AR (1980) Human cerebral asymmetries evaluated by computed tomography. *J Neurol Neurosurg Psychiatr* 43:873–8
- Church AJ, Dale RC, Lees AJ *et al.* (2003) Tourette's syndrome: a cross sectional study to examine the PANDAS hypothesis. *J Neurol neurosurg Psychiatr* 74:602–7
- Church MW, Eldis F, Blakley BW *et al.* (1997) Hearing, language, speech, vestibular, and dentofacial disorders in fetal alcohol syndrome. *Alcoh Clin Exp Res* 21:227–37
- Cicci R (1983) Disorders of written language. In HR Myklebust (ed) *Progress in learning disabilities*. Grune and Stratton, New York, pp 207–32
- Cieri F, Esposito R (2019) Psychoanalysis and Neuroscience: The Bridge Between Mind and Brain. *Front Psychol*. 10:1790
- Cirelli LK, Einarson KM, Trainor LJ (2014). Interpersonal synchrony increases prosocial behavior in infants. *Dev Sci*, 17:1003–11
- Cioffi J & Kandel GL (1979) Laterality of stereognostic accuracy of children for words, shapes and bigrams: sex difference for bigrams. *Sci* 204:1432–34
- Cioni G, Ferrari F & Prechtl HFR (1994) Motor assessment in the neonatal period. In: E Fedrizzi, G Acanzini & P Crenna (eds) *Motor development in children*. London: J Libbey & Cy, pp. 13–24
- Cioni G, Guzzetta A., Paolicelli PB *et al.* (2002) *Aspetti percettivi nei disturbi della programmazione e della realizzazione dell'atto motorio del bambino con paralisi cerebrale infantile*. 18^o Congresso nazionale SINPIA, Giugno, Sardegna

- Cioni G, Bartalena L, Biagioni E *et al.* (1994) Callosal agenesis: postnatal sonographic findings. In: M Lassonde & M Jeeves (eds) *Callosal agenesis: A natural split-brain?* Plenum Press, New York, pp 69–76
- Cirelli LK, Einarson KM, Trainor LJ (2014). Interpersonal synchrony increases prosocial behavior in infants. *Dev Sci*, 17:1003–11
- Claessens NHP (2018) The brain in congenital heart disease: from fetus through childhood. PhD Thesis, Utrecht University, The Netherlands
- Claessens NHP, Kelly CJ, Counsell SJ *et al.* (2018) Neuroimaging, cardiovascular physiology, and functional outcomes in infants with congenital heart disease. *DMCN* 59:894–902
- Claessens NHP, Khalili N, Isgum I *et al.* (2019) Brain and cerebrospinal fluid volumes in fetuses and neonates with antenatal diagnosis of critical congenital heart disease: a longitudinal MRI study. *AJNR* 40:885–91
- Clairis N & Lopez-Persem A (2023) Debates on the dorsomedial prefrontal/ dorsal anterior cingulate cortex: insights for future research. *BRAIN* 146:4826–44
- Clark A (1997) *Being there: putting brain, body and world together again*. Cambridge: MIT Press
- Clark T, Feehan C, Tinline C *et al.* (1999) Autistic symptoms in children with attention deficit-hyperactivity disorder. *Eur Child Adolesc Psychiatr* 8:50–5
- Clarke DJ & Marston G (2000) Problem behaviors associated with 15q-Angelman syndrome. *Am J Mental Retard* 105:25–31
- Clayton-Smith J & Laan L (2003) Angelman syndrome: A review of the clinical and genetic aspects. *J Med Genet* 40:87–95
- Clegg J, Hollis C, Mawhood L *et al.* (2005) Developmental language disorders—a follow-up in later adult life. Cognitive, language and psychosocial outcomes. *JCPP*, 46:128–49
- Clements SD & Peters JE (1962) Minimal brain dysfunction in the schoolage child. Diagnosis and Treatment. *Arch Gen Psychiatr* 6:185–97
- Cnossen M (1997) *Neurofibromatosis type 1: a clinical and molecular genetic study*. Proefschrift, EUR, Rotterdam
- Coccaro A, Di Bono MG, Maffei A *et al.* (2023) Resting State Dynamic Reconfiguration of Spatial Attention Cortical Networks and Visuospatial Functioning in Non-Verbal Learning Disability (NVLD): A HD-EEG Investigation. *Brain-Sci.*, 13:731–52
- Cockayne EA (1936) Dwarfism with retinal atrophy and deafness. *Arch Dis Child* 11:1–8
- Coe C, Kramer M, Czeh B *et al.* (2003) Prenatal stress diminishes neurogenesis in the dentate gyrus of juvenile rhesus monkeys. *Biol Psychiatr* 54:1025–34
- Coelho M, Ferreira JJ, Dias B *et al.* (2004) Assessment of time perception: The effect of aging. *J Inter Neuropsychol Soc* 10:332–41
- Cogan GB, Thesen T, Carlson C *et al.* (2014) Sensory-motor transformations for speech occur bilaterally. *Nature* 507:94–98
- Coghill D & Sonuga-Barke EJS (2012) Annual Research Review: Categories versus dimensions in the classification and conceptualisation of child and adolescent mental disorders – implications of recent empirical study. *J Child Psychol Psychiatr* (Jan 31. Online)
- Cohen AH (1988). Evolution of the vertebrate central pattern generator for locomotion. In AH Cohen S Rossignol & S Grillner (Eds.) *Neural control of rhythmic movements in vertebrates*. Jon Wiley & Sons
- Cohen LG, Meer J, Tarkka I *et al.* (1991) Congenital mirror movements. Abnormal organization of motor pathways in two patients. *Brain* 114:381–403
- Cohen M (1992) Auditory/verbal and visual/spatial memory in children with complex partial epilepsy of temporal lobe origin. *Brain Cogn* 20:315–26
- Cohen M, Campbell R & Yaghmai F (1989) Neuropathological abnormalities in developmental dysphasia. *Ann Neurol* 25:567–70
- Cohen ME & Duffner PK (eds 1994) *Brain Tumors in Children*. Raven Press, New York, 2nd ed, pp 494
- Cohen MJ, Branch WB & Hynd GW (1994) Receptive prosody in children with left or right hemisphere dysfunction. *Brain Lang* 47:171–81
- Cohen RL & Otterbein N (1992) The mnemonic effect of speech gestures: Pantomimic and non-pantomimic gestures compared *Europ J Cogn Psychol* 4:113–39
- Cohen MJ, Prather A, Town P *et al.* (1990) Neurodevelopmental differences in emotional prosody in normal children and children with left and right temporal lobe epilepsy. *Brain Lang* 38:122–34
- Cohen MM, Rollnick BR & Kaye CI (1989) Oculo-auriculo-vertebral spectrum: an update critique. *Cleft Palate J* 26:276–86
- Cohen MS, Kosslyn SM, Breiter HC *et al.* (1996) Changes in cortical activity during mental rotation. A mapping study using functional MRI. *Brain* 119:89–100
- Cohen NJ, Eichenbaum H, Deacedo BS *et al.* (1985) Different memory systems underlying acquisition of procedure and declarative knowledge. *Ann NY Acad Sci* 441:54–71
- Cohen NJ & Squire LR (1980) Preserved learning and retention and pattern-analysing skill in amnesia: dissociation of knowing how and knowing that. *Sci* 210:207–9
- Cohen S, Conduit R, Lockley SW *et al.* (2014) The relationship between sleep and behavior in autism spectrum disorder (ASD): a review. *J Neurodev Disord*. 6:44
- Cohen S, Fulcher BD, Rajaratnam SMW *et al.* (2018) Sleep patterns predictive of daytime challenging behavior in individuals with low-functioning autism. *Autism Res*. 11:391–403
- Cohen SE & Parmelee AH (1983) Prediction of five-year Stanford-Binet scores in preterm infants. *Child Dev* 54:1242–53
- Cohen Levine S (1985) Developmental changes in right-hemisphere involvement in face recognition. In: CT Best (ed) *Hemispheric function and collaboration in the child*. Acad Press, Orlando, pp 157–92
- Cohen Levine S, Huttenlocher P, Banich MT *et al.* (1987) Factors affecting cognitive functioning of hemiplegic children. *DMCN* 29:27–35
- Cohen LB & Amsel G (1998) Precursors to infants' perception of the causality of a simple event. *Inf Beh Dev* 21: 713–32
- Colarusso RP & Hammill DD (1996) *mvppt-r: Motor-Free Visual Perception Test-Revised*. Academic Therapy Publications, Novato, CA, USA
- COLA consortium; Parker AJ, Woodhead ZVJ, Carey DP *et al.* (2022) Inconsistent language lateralisation - Testing the dissociable language laterality hypothesis using behaviour and lateralised cerebral blood flow. *Cortex* 154:105–34
- Cole D & LaVoie JC (1985) Fantasy play and related cognitive development in 2–6-year-olds. *Dev Psychol* 21:233–40
- Cole WR, Mostofsky SH, Gidley Larson JC *et al.* (2008) Age-related change in motor subtle signs among girls and boys with ADHD. *Neurol* 71:1514–20
- Coleman M (1971) Serotonin concentrations in whole blood of hyperactive children. *J Pediatr* 78:985–90
- Colenbrander J *et al.* (2001) Verbale ontwikkelingsdyspraxie of fonologische regelstoornis? *Logop* 11:286–92
- Collaer ML & Hines M (1995) Human behavioral sex differences: A role for gonadal hormones during early development? *Psychol Bull* 118:55–107
- Collyer CE, Broadbent HA & Church RM (1994) Preferred rates of repetitive tapping and categorical time perception. *Percept & Psychophys* 55:443–53
- Colombo M, de la Parra A & López I (1992) Intellectual and physical outcome of children undernourished in early life is influenced by later environmental conditions. *DMCN* 34:611–22
- Comings DE, Gade-Andavolu R, Gonzalez N *et al.* (2000) Comparison of the role of dopamine, serotonin, and noradrenaline genes in ADHD, ODD and conduct disorder: Multivariate regression analysis of 20 genes. *Clin Genet* 57:178–96
- Comings DE & Amromin GD (1974) Autosomal dominant insensitivity to pain with hyperplastic myelinopathy and autosomal dominant indifference to pain. *Neurol* 24:838–48
- Compton RJ (2002) Interhemispheric interaction facilitates face processing. *Neuropsychol* 40:2409–19
- Conceição VA (2020) Can anti-dopa-mine D2 receptor autoantibodies explain fluctuations of tic severity? *DMCN*
- Condon WS (1985) Sound-film microanalysis: A means for correlating brain and behavior. In: FH Duffy and N Geschwind (eds) *Dyslexia. A neuroscientific approach to clinical evaluation*. Little, Brown and Co, Boston, pp 123–56
- Condon WS & Sander LW (1974) Neonate movement is synchronized with adult speech: interactional participation and language acquisition. *Sci* 183:99–101
- Confavreux Chr, Croisile B, Garassus P *et al.* (1992) Progressive amusia and aprosody. *Arch Neurol* 49:971–6

- Conners CK (1970) Cortical visual evoked response in children with learning disorders. *Psychophysiol* 7:418–28
- Conners CK (1973) *Rating scales for use in drug studies with children*. Psychopharmacol Bull, Special Issue pp 24–84
- Conners CK (1976) Learning disabilities and stimulant drugs in children: theoretical implications. In: RM Knights and DJ Bakker (eds) *The neuropsychology of learning disorders*. University Park Press, Baltimore, pp 389–404
- Conners CK (1978) Critical review of Electroencephalographic and neurophysiological studies in dyslexia. In: AL Benton and D Pearl (eds) *Dyslexia. An appraisal of current knowledge*. Oxford Un Press, New York, pp 251–64
- Conners CK (1997) *Conners' Rating Scales: Revised*. North Tonawanda, NY: Multi-Health Systems Inc
- Conners CK & Solanto M (1984) The psychophysiology of stimulant drug response in hyperkinetic children. In: M Rutter (ed) *Scientific foundations of developmental psychiatry*. Heinemann, London, pp 138–53
- Connolly K & Stratton P (1968) Developmental changes in associated movements. *DMCN* 10:49–56
- Connolly KJ (1981) Maturation and the ontogeny of motor skills. In: KJ Connolly & HFR Prechtl (eds) *Maturation and development: Biological and psychological perspectives*. Clin Dev Med 77–78 SIMP. Heinemann, London pp 216–30
- Connolly K (1998) *The psychobiology of the hand*. Mac Keith Press, London
- Connor DF (1993) Child adolescence. *Psychopharmacol* 3:99–114
- Connolly KJ & Prechtl HFR (eds) *Maturation and development: biological and psychological perspectives*. Clin Dev Med 77–78 SIMP. Heinemann, London
- Conradt E, Camerota M, Maylott S *et al.* (2023) Annual Research Review: Prenatal opioid exposure - a two-generation approach to conceptualizing neurodevelopmental outcomes. *JCPP* 64:566–78
- Conroy RL & Weener P (1976) The Development of Visual en Auditory Selective Attention Using the Central-Incidental Paradigm. *J Exp Child Psychol* 22:400–407
- Constable RT, Vohr BR, Scheinost D (2013) A Left Cerebellar Pathway Mediates Language in Prematurely-Born Young Adults. *Neuroimage* 64:371–8
- Conte R, Kinsbourne M, Swanson J *et al.* (1986) Presentation rate effects on paired associate learning by attention deficit disordered children. *Child Dev* 57:681–7
- Conti F, Fabri M & Manzoni T (1986) Bilateral receptive fields and callosal connectivity of the body midline representation in the first somatosensory area of primates. *Somatosensory Res* 3:273–89
- Conti F & Manzoni T (1986) The neurotransmitters and postsynaptic actions of callosally projecting neurons. *Beh Brain Res* 64:37–53
- Conti-Ramsden, G (2008) Heterogeneity of specific language impairment in adolescent outcomes. In: Norbury CF, Tomblin JB & Bishop DVM, *Understanding developmental language disorders: from theory to practice*. New York: Psychol Press Taylor & Francis Group
- Conway MA (2001) Sensory-perceptual episodic memory and its context: autobiographical memory. In: *Episodic Memory. New directions in Research*, eds. Baddeley A, Conway M & Aggleton J Oxford, Oxford University Press. Pp. 53–70
- Cook E, Courchesne R, Lord C *et al.* (1997) Evidence of linkage between the serotonin transporter and autistic disorder. *Molec Psychiat* 2:247–50
- Cook ND (1986) *The brain code. Mechanisms of information transfer and the role of the corpus callosum*. London: Methuen
- Cook R, Shah P, Gaule A *et al.* (2015) Autism and Developmental Prosopagnosia: A Cross- Disorder Study. *J Vis* 15:1211
- Cools A & Hermanns (1976) *Denver Ontwikkeling Screeningtest, Handleiding*. Swets en Zeitlinger, Lisse
- Cooper K, Mandy 00W, Butler C *et al.* (2023) Phenomenology of gender dysphoria in autism: a multiperspective qualitative analysis. *JCPP* 64:265–76
- Cope EB & Antony JH (1992) Normal values for the two-point discrimination test. *Pediatr Neurol* 8:251–4
- Coq J-O, Delcour M, Massocotte VS *et al.* (2016) Prenatal ischemia deteriorates white matter, brain organization, and function: implications for prematurity and cerebral palsy. *DMCN* 58 (Suppl. 4):7–11
- Corballis MC (1998) Cerebral asymmetry: Modeling on. *TICS* 2:152–157
- Corballis MC (2009) The Evolution of Language. *Ann NY Ac Sci* 1156:19–43
- Corballis MC & Beale IL (1984) *The ambivalent mind. The neuropsychology of left and right*. Nelson-Hall, Chicago
- Corballis MC, Boyd L, Schulze A *et al.* (1998) Role of the commissures in interhemispheric temporal judgments. *Neuropsychol* 12:519–25
- Corballis MC & Morgan M (1978) On the biological basis of human laterality: I. Evidence for a maturational left–right gradient. *Behav Brain Sci* 2:261–336. II The mechanisms of inheritance. *Behav Brain Sci* 2:270–7
- Corballis MC & Ogden JA (1988) Dichotic listening in commissurotomy and hemispherectomized subjects. *Neuropsychol* 26:565–73
- Corballis MC & Sergeant J (1989) Hemispheric specialisation for mental rotation. *Cortex* 25:15–25
- Corballis MC (2008) The Gestural Origins of Language. In: Masataka N (ed) *The Origins of Language*. Springer, Tokyo, pp. 11–23
- Corballis MC (2010) The gestural origins of language. *Cogn Sci* 1: 2–7
- Corbett B & Glidden H (2000) Processing affective stimuli in children with attention-deficit hyperactivity disorder. *Child Neuropsychol* 6:144–55
- Corbett JA, Harris R, Taylor E *et al.* (1977) Psychiatric aspects of the neurodegenerative disorders. *JCPP* 18:211–19
- Corbett JA, Trimble MR & Nichol ThC (1985) Behavioral and cognitive impairments in children with epilepsy: The long-term effects of anticonvulsant therapy. *JAACAP* 24:17–23
- Corbetta D, Williams J & Snapp-Childs W (2006). Plasticity in the development of handedness: evidence from normal development and early asymmetric brain injury. *Dev Psychobiol* 48:460–71
- Cordero ME, Trejo M, Garcia E, *et al.* (1986) Dendritic development in the neocortex of adult rats following a maintained prenatal and/or early postnatal life undernutrition. *Early Hum Dev* 14:245–58
- Cordero ME, D'acuña E, Benveniste S *et al.* (1993) Dendritic development in neocortex of infants with early postnatal life undernutrition. *Pediatr Neurol* 9:457–64
- Coren S & Porac C (1977) Fifty centuries of right-handedness: The historical record. *Sci* 198:631–2
- Coren S & Porac C (1980) Birth factors and laterality: Effects of birth order, parental age, and birth stress on four indices of lateral preference. *Behav Genet* 10:123–38
- Corina DP, Jose-Robertson LS, Guillemin A *et al.* (2003) Language lateralization in a bimanual language. *J Cognit Neurosci* 15:718–30
- Corkin S (1978) The role of different cerebral structures in somesthetic perception. In: C. Carterette & M. Friedman (eds) *Handbook of perception*. Vol ViB New York Academic Press, pp 105–155
- Cormier J-M & Tremblay F (2013) Asymmetry in corticomotor facilitation revealed in right-handers in the context of haptic discrimination. *Laterality* 18:365–83
- Cornelissen PL, Hansen PC, Hutton JL *et al.* (1998) Magnocellular visual function and children's single word reading. *Vision Res* 38:471–82
- Cornish KM (1996) The neuropsychological profile of Cri du Chat syndrome without significant learning disability. Case reports. *DMCN* 38:941–4
- Cornish KM, Bramble D, Munir F *et al.* (1999) Cognitive functioning in children with typical cri du chat (5p-) syndrome. *DMCN* 41:263–6
- Cornish KM, Munir F & Cross G (1998) The nature of the spatial deficit in young females with fragile-X syndrome: A neuropsychological and molecular perspective. *Neuropsychol* 36:1239–46
- Cornish KM, Munir F & Cross G (1999) Spatial cognition in males with fragile-x syndrome: evidence for a neuropsychological phenotype. *Cortex* 35:263–271
- Cornish KM, Pigram J & Shaw K (1997) Do anomalies of handedness exist in children with fragile-X syndrome? *Laterality* 2:91–101
- Cornoldi C, Dalla Vecchia R & Tressoldi PE (1995) Visuo-spatial working memory limitations in low visuo-spatial high verbal intelligence children. *JCPP* 36:1053–64

- Corr PJ & Mobbs D (2018) From Epiphenomenon to Biologically Important Phenomena. *Pers Neurosci* 1:1–4
- Corriveau KH & Goswami U (2009) Rhythmic motor entrainment in children with speech and language impairments: tapping to the beat. *Cortex* 45:119–30
- Coslett HB, Saffran EM & Schwoebel J (2002) Knowledge of the human body. A distinct semantic domain. *Neuro* 59:357–63
- Cossu G & Marshall JC (1986) Theoretical implications of the hyperlexia syndrome: Two new Italian cases. *Cortex* 4:579–89
- Cossu G (2003) The role of output speech in literacy acquisition: evidence from congenital anarthria. *Reading & Writing* 16:99–22
- Costeff H, Reshef A, Bergman M *et al.* (1988) Eye-sighting preference of normal and hemiplegic children and adults. *DMCN* 30:360–4
- Cotman CW, Brinton RE, Galaburda A *et al.* (eds, 1987) *The neuro-immune-endocrine connection*. Raven Press, New York
- Coull JT, Frith CD, Dolan RJ *et al.* (1997) The neural correlates of the noradrenergic modulation of human attention, arousal and learning. *Eur J Neurosci* 9:589–98
- Coull JT, Frith CD, Frackowiak RSJ *et al.* (1996) A fronto-parietal network for rapid visual information processing: A PET study of sustained attention and working memory. *Neuropsychol* 34:1085–95
- Courchesne E (1983) 15 Cognitive Components of the Event-Related Brain Potential: Changes Associated with Development *Adv Psychol*. 10: 329–44
- Courchesne E, Townsend J, Akshoomoff NA *et al.* (1994) Impairment in Shifting Attention in Autistic and Cerebellar Patients. *Behav Neurosci* 108:848–65
- Courchesne E, Yeung-Courchesne R, Press GA *et al.* (1988) Hypoplasia of cerebellar vermal lobules VI and VII in autism. *New Eng J Med* 318:1349–54
- Couvignou M & Kolinsky R (2021) Comorbidity and cognitive overlap between developmental dyslexia and congenital amusia in children. *Neuropsychol*. Feb 26;107811
- Covington LB, Armstrong B & Black MM (2018) Perceived Toddler Sleep Problems, Co-sleeping, and Maternal Sleep and Mental Health. *J Dev Behav Pediatr* 39:238–45
- Cowan N (ed 1997) *The development of memory in childhood*. Psychol Press Taylor and Francis, Hove East Sussex, UK, pp 392
- Cowan WM (1979) The development of the brain. *Sci Amer* 241:112–33
- Cowan WM, Fawcett JW, O'Leary DM *et al.* (1984) Regressive events in neurogenesis. *Sci* 225:1258–65
- Cowan N, Nugent LD, Elliott EM *et al.* (1999) The role of attention in the development of short-term memory: Age differences in the verbal span of apprehension. *Child Dev* 70:1082–97
- Cox A, Klein K, Charman T *et al.* (1999) Autism spectrum disorders at 20 and 42 months of age: Stability of clinical and ADI-R diagnosis. *JCPP & All Disclipl* 40:719–32
- Cozolino (2006) *The neurosciences of human relationships. Attachment and the developing brain*. New York: Norton & Cy
- Craig AD, Chen K, Bandy D *et al.* (2000) Thermosensory activation of insular cortex. *Nat. Neurosci.* 3:184–90
- Craig AD (2005) Forebrain emotional asymmetry: a neuroanatomical basis? *Trends Cogn Sci* 9:566–71
- Craig AD (2009) How do you feel-now? The anterior insula and human awareness. *Nat Rev Neurosci* 10:59–70
- Craig AD (2009). Comment on Sommer *et al.* 2008. *Brain*
- Craig M, Dewar M & Harris MA (2016) Wakeful rest promotes the integration of spatial memories into accurate cognitive maps. *Hippoc* 26:185–93
- Cramer A, Waldorp LJ, Maas LJ van der & Borsboom D (2010) Comorbidity: A network perspective *Beh Brain Sci* 33:137–93
- Craik FIM (2019) Remembering: An Activity of Mind and Brain. *Annu Rev Psychol* 71:1–24
- Cratty BJ (1970) *Perceptual and motor development in infants and children*. Macmillan, London
- Creanza N, Kolodny O & Feldman MW (2017) Cultural evolutionary theory: How culture evolves and why it matters. *PNAS* 114: 7782–9
- Cremone A, de Jong DM, Kurdziel LBF *et al.* (2018) Sleep tight, act right: Negative affect, sleep and behavior problems during early childhood. *Child Dev* 89:42–59
- Creswell C, Waite P & Hudson J (2020) Practitioner Review: Anxiety disorders in children and young people – assessment and treatment. *JCPP* 61:628–43
- Critchley H, Wiens S, Rotshtein P *et al.* (2004) Neural systems supporting interoceptive awareness. *Nature Neurosci* 7:189–95
- Critchley HD (2005) Neural mechanisms of autonomic, affective, and cognitive integration. *J Comp Neurol* 493:154–66
- Critchley HD (2005) Neural mechanisms of autonomic, affective, and cognitive integration. *J Comp Neurol* 493:154–66
- Critchley HD, Daly EM, Bullmore ET *et al.* (2000) The functional neuroanatomy of social behaviour – Changes in cerebral blood flow when people with autistic disorder process facial expressions. *Brain* 123:2203–12
- Critchley M (1953) *The parietal lobes*. Arnold, London
- Critchley M (1970) *Developmental dyslexia*. 2nd ed. Heinemann, London
- Critchley M (1979) *The divine banquet of the brain*. Raven Press, New York
- Critchley M (1986) Specific developmental dyslexia. In: Vinken PJ, Bruyn GW, Klawans HL *et al.* (eds) *Neurobehavioural disorders*. Elsevier, Amsterdam, pp 105–22
- Crittenden PM (1994) Preschool Assessment of Attachment (PAA) Manual. Unpublished manuscript
- Crittenden PM, Claussen AH & Kozłowska K (2007) Choosing a Valid Assessment of Attachment for Clinical Use, A Comparative Study ANZJFT 28:78–87
- Croft C, Beckett C, Rutter M *et al.* (2007) Early adolescent outcomes of institutionally deprived and non-deprived adoptees. II: Language as a protective factor and a vulnerable outcome. *JCPP* 48:31–44
- Crone E & Fuligni AJ (2020) Self and Others in Adolescence. *Ann Rev Psychol* 71:447–69
- Crone JS, Höller Y, Bergmann J *et al.* (2013) Self-related processing and deactivation of cortical midline regions in disorders of consciousness. *Front Hum Neurosci* 7:504
- Crone EA & Ridderinkhof KR (2011) The developing brain: From theory to neuroimaging and back. *Devel Cogn Neurosci* 1:101–9
- Crone EA & van der Molen MW (2004) Developmental changes in real life decision making: performance on a gambling task previously shown to depend on the ventromedial prefrontal cortex. *Dev Neuropsychol* 25:251–79
- Crone EA, van Duijvenvoorde ACK & Peper JS (2016), Annual Research Review: Neural contributions to risk-taking in adolescence – developmental changes and individual differences. *JCPP* 57:353–68
- Crosbie J & Schachar R (2001) Deficient inhibition as a marker for familial ADHD. *Am J Psychiat* 158:1884–90
- Cross-Disorder Group of the Psychiatric Genomics Consortium (2019) Genomic relationships, novel loci, and pleiotropic mechanisms across eight psychiatric disorders. *Cell* 179:1469–8
- Crowder R (1978) Language and memory. In: Kavanagh J & Strange W (eds) *Speech and language in the laboratory, school and clinic*. MIT Press, Cambridge
- Crowder RG (1986) Remembering experiences and the experience of remembering. *Behav Brain Sci* 9:566
- Crowe SF & Hay DA (1990) Neuropsychological dimensions of the fragile-X syndrome: support for a non-dominant hemisphere dysfunction hypothesis. *Neuropsychol* 28:9–16
- Crowley SJ, Acebo C & Carskadon MA (2007). Sleep, circadian rhythms, and delayed phase in adolescence. *Sleep Med* 8:602–12
- Crucianelli L, Reader AT, Ehrsson HH (2024) Subcortical contributions to the sense of body ownership. *Brain*. 147:390–405
- Cryan JF & Dinan TG (2012) Mind-altering microorganisms: the impact of the gut microbiota on brain and behaviour. *Nat Rev Neurosci* 13:701–12
- Cryan JF, O'Riordan KJ, Sandhu K *et al.* (2020). The gut microbiome in neurological disorders. *Lancet Neurol*, 19:179–19
- Csibra G, Gergely G, Biró S, *et al.* (1999) Goal attribution without agency cues: The perception of 'pure reason' in infancy. *Cogn* 72:237–67
- Culbert KM, Racine SE & Klump KL (2015) Research Review: What we have learned about the causes of eating disorders – a synthesis of sociocultural, psychological, and biological research. *JCPP* 56:1141–64
- Culbertson WC & Zillmer EA (1998) The tower of London; a standardized approach to assessing executive functioning in children. *Arch Clin Neuropsychol* 13:285–30

- Cummings JL (1985) Hemispheric asymmetries in visual-perceptual and visual-spatial function. In: DF Benson and E Zaidel (eds) *The dual brain. Hemispheric specialization in humans*. The Guilford Press, New York, pp 233–46
- Cuneo BF (2001) 22q11.2 deletion syndrome: DiGeorge, velocardiofacial, and conotruncal anomaly face syndrome. *Curr Opin Pediatr* 13:465–72
- Cunnings I (2017) Parsing and Working Memory in Bilingual Sentence Processing. *Bilingual: Lang Cogn* 20:659–78
- Curfs LMG & Fryns JP (1992) Prader-Willi syndrome: A review with special attention to the cognitive and behavioral profile. In: Evers-Kiebooms G, Fryns JP, Cassiman JJ *et al.* (Eds.) *Psychosocial aspects of genetic counseling*. Wiley-Liss, New York, 99–104
- Curfs LMG, Schreppers-Tijdkink A, Wiegers A *et al.* (1990) The 49,xxxxx syndrome. Clinical and psychological findings in five patients. *J Ment Def Res* 34:277–82
- Curt F, Maccario J & Dellatolas G (1992) Distributions of hand preference and hand skill asymmetry in preschool children: Theoretical implications. *Neuropsychol* 30:27–34
- Curtiss S (1977) *Genie. A psycholinguistic study of a modern-day 'wild child'*. Academic Press, New York
- Cuthbert BN & Insel TR (2013) Toward the future of psychiatric diagnosis: the seven pillars of RDoC. *BMC Med* 11:126
- Cutting J (1997) *Principles of psychopathology. Two Worlds – Two Minds – Two Hemispheres*. Oxford Univ Press, Oxford, pp 593
- Cutting J & Pisoni D (1978) An information processing approach to speech perception. In: J Kavanagh and W Strange (eds) *Speech and language in the laboratory, school and clinic*. MIT Press, Cambridge, pp 38–72
- Cutting LE, Cooper KL, Koth CW *et al.* (2002) Megalencephaly in NF1. Predominantly white matter contribution and mitigation by ADHD. *Neurol* 59:1388–94
- Cygan HB, Okuniewska H, Jednoróg K (2018) Face processing in a case of high functioning autism with developmental prosopagnosia. *Acta Neurobiol Exp* 78:114–31
- Cyr C, Euser EM, Bakermans-Kranenburg MJ *et al.* (2010) Attachment security and disorganization in maltreating and high-risk families: a series of meta-analyses. *Dev Psychopathol* 22:87–108
- Cytowic (1989) *Synaesthesia: A union of the senses*. Springer Verlag, New York
- D**
- Daffner KR, Mesulam MM, Scinto LFM *et al.* (2000) The central role of the prefrontal cortex in directing attention to novel events. *Brain* 123:927–39
- Dagher A, Owen AM & Boecker H (1999) Mapping the network for planning: A correlational PET activation study with the Tower of London task. *Brain* 122:1973–87
- Dailey MN & Cottrell GW (1999) Organization of face and object recognition in modular neural network models. *Neural Networks* 12:1053–73
- Dailly R & Moscato M (1984) *Latéralisation et latéralité chez l'enfant*. P Mardaga, Bruxelles, pp 268
- Dalby MA (1977) Aetiological studies in language retarded children. *Neuropaed*, suppl 8, 499–500
- Dale PS, Simonoff E, Bishop DV *et al.* (1998) Genetic influence on language delay in two-year-old children. *Nature Neurosci* 1:324–28
- Dalla Barba G (2002) *Memory, consciousness and temporality*. Kluwer Ac Publ, Dordrecht, NL, pp 224
- Dalla Bella S, Farrugia N, Benoit CE *et al.* (2017) BAASTA: battery for the assessment of auditory sensorimotor and timing abilities. *Behav Res Methods* 49:1128–45
- Dalla Bernardina B, Chiamenti C, Capovilla G *et al.* (1992) Benign partial epilepsy with affective symptoms. In: Roger J, Dravet C, Bureau M *et al.* (eds) *Epileptic syndromes in infancy, childhood and adolescence*. 2nd Ed. John Libbey, London
- Dalrymple KA, Visconti di Oleggio Castello M, Elison JT *et al.* (2017) Concurrent development of facial identity and expression discrimination. *PLoS One* 12: e0179458
- Damase J (1979) Saint Sébastien dans l'histoire de l'art depuis le xv^e siècle. Paris: éd. Damase
- Damasio AR (1985) The frontal lobes. In: Heilman KM & Valenstein E (eds) *Clinical neuropsychology*, 2nd ed. Oxford Univ Press, New York, pp 339–75
- Damasio AR (1989) Reflections on visual recognition In: AM Galaburda (ed) *From reading to neurons*. the MIT Press, Cambridge, pp 361–76
- Damasio AR (1994) Descartes' Error. (1995) *De vergissing van Descartes*. Amsterdam: Uitg. Wereldbibliotheek
- Damasio A (2010) *Self comes to mind*. Pantheon Books, New York
- Damasio AR (2019) *De vreemde orde der dingen*. Amsterdam: Uitg. Wereldbibliotheek
- Damasio AR (1999). *The Feeling of What Happens*. London: Heinemann
- Damasio AR (1999) *The feeling of what happens. Body and emotion in the making of consciousness*. Harcourt and Brace, New York
- Damasio (2003) Feelings of Emotion and the Self. ANYAS 1001:253–61
- Damasio AR (2018) *The strange order of things*. Pantheon books. (2019) *De vreemde orde der dingen*. Amsterdam: Uitg. Wereldbibliotheek
- Damasio AR & Benton AL (1979) Impairment of hand movements under visual guidance. *Neurol* 29:170–8
- Damasio AR, Lima A & Damasio H (1975) Nervous function after right hemispherectomy. *Neurol* 25:89–93
- Damasio AR (2018) *The strange order of things*. Pantheon books. (2019) *De vreemde orde der dingen*. Amsterdam: Uitg. Wereldbibliotheek
- Damasio AR & Maurer RG (1978) A neurological model for childhood autism. *Arch Neurol* 35:777–86
- Damasio H, Maurer RG, Damasio AR *et al.* (1980) Computerized tomographic scan findings in patients with autistic behavior. *Arch Neurol* 37:504–10
- Damerius LA, Forss SIF, Kosonen ZK *et al.* (2017) Orientation toward humans predicts cognitive performance in orang-utans. *Scientific Rep*, 7(1)
- Daniels JL, Forssen U, Hultman CM *et al.* (2008) Parental psychiatric disorders associated with autism spectrum disorders in the offspring. *Pediatrics*, 121:e1357–62
- Daprati E, Balestrucci P, Nico D. (2022) Do graspable objects always leave a motor signature? A study on memory traces. *Exp Brain Res*. 240:3193–3206
- Dapatri E & Sirigu A (2005) Action recognition disorders following parietal damage. In: H-J Freund *et al.* (eds) Higher-order motor disorders. Oxford Univ. Press, Oxford, UK, pp 359–71
- Dargent-Paré C, De Agostini M, Mesbah M *et al.* (1992) Foot and eye preferences in adults: Relationship with handedness, sex and age. *Cortex* 28:343–51
- Darwin C (1859 1e ed) *On the Origin of Species by Means of Natural Selection, or the Preservation of Favoured Races in the Struggle for Life*. London: John Murray
- NL vertaling (2009): *Over het ontstaan van soorten door middel van natuurlijke selectie, of het behoud van bevoordeelde rassen in de strijd om het leven*. Uitg. Nieuwezijds, Amsterdam
- Darwin C (1872 1st ed) *Het uitdrukken van emoties bij mens en dier*. Uitg. Nieuwezijds, Amsterdam (3e vertaalde editie, 1998).
- Daselaar S (2003) De rol van de mediaal temporaalkwab in het episodisch geheugen – Aanwijzingen vanuit functioneel neuro-imaging onderzoek. *Neuropraxis* 6:173–9
- Daume J, Kamiński J, Schjetnan AGP *et al.* (2024) Control of working memory by phase-amplitude coupling of human hippocampal neurons. *Nature* 629:393–401
- David N, Jansen M, Cohen MX *et al.* (2008) Disturbances of self-other distinction after stimulation of the extrastriate body area in the human brain. *Soc Neurosci* 21:1–9
- David N, Gawronski A, Santos NS *et al.* (2008) Dissociation between key processes of social cognition in autism: Impaired mentalizing but intact sense of agency. *J Autism Dev Disord* 38:593–605
- Davidovitch M, Tirosh E & Tal Y (1994) The relationship between joint hypermobility and neurodevelopmental attributes in elementary school children. *J Child Neurol* 9:417–9
- Davidson AN & Dobbins J (1968) *Applied Neurochemistry*. Davis, Philadelphia, pp 253
- Davidson RJ (1992) Anterior cerebral asymmetry and the nature of emotion. *Brain Cogn* 20:125–51
- Davies S, Bishop D, Manstead ASR *et al.* (1994) Face perception in children with autism and Asperger's syndrome. *JCPP* 35:1033–57
- Davis EP, Snidman N, Wadhwa PD *et al.* (2004) Prenatal maternal anxiety and depression predict negative behavioral reactivity in infancy. *Infancy* 6:319–31
- Davis KL & Panksepp J (2018) *The emotional foundations of personality. A neurobiological*

and evolutionary approach. London: Norton & Cy

Davis NO, Lerebours R, Aiello RE *et al.* (2025) Behavioral characteristics of toddlers later identified with an autism diagnosis, ADHD symptoms, or combined autism and ADHD symptoms. *JCPP* 66:214–24

Dawson G (1983) Lateralized Brain Dysfunction in Autism: Evidence from the Halstead-Reitan Neuropsychological Battery. *J Autism Dev Disord* 13:269–86

Dawson G, Finley C, Phillips S *et al.* (1989) A comparison of hemispheric asymmetries in speech-related brain potentials of autistic and dysphasic children. *Brain Lang* 37:26–41

Dawson G, Panagiotides H, Grofer Klinger L *et al.* (1992) The role of frontal lobe functioning in the development of infant self-regulatory behavior. *Brain Cogn* 20:152–75

Day BL & Brown P (2001) Evidence for subcortical involvement in the visual control of human reaching. *Brain* 124:1832–40

Day RE, Thomson JLG & Schutt WH (1978) Computerised axial tomography and acute neurological problems of childhood. *Arch Dis Childh* 53:2–11

Day RH & McKenzie BE (1973) Perceptual shape constancy in early infancy. *Perception* 3:315–26

Dayer A, Roulet E, Maeder P *et al.* (1998) Post-traumatic mutism in children: Clinical characteristics, pattern of recovery and clinicopathological correlations. *Europ J Paed Neurol* 2:109–116

De Ajuriaguerra J, Auzias M, Coumes F *et al.* (1964a) L'échelle dysgraphie. L'écriture de l'enfant I: L'évolution de l'écriture et ses difficultés. Paris: Delachaux et Niestlé

De Ajuriaguerra J, Auzias M, Coumes F *et al.* (1964b) Les dysgraphies: une étude expérimentale des difficultés d'écriture chez l'enfant. L'écriture de l'enfant I: L'évolution de l'écriture et ses difficultés (Troisième partie). Paris: Delachaux et Niestlé

De Ajuriaguerra J (1964) L'échelle dysgraphie. L'écriture de l'enfant I

De Ajuriaguerra J (1974) *Manual de psychiatrie de l'enfant*. Mason, Paris, pp 1089

De Ajuriaguerra J (2008) *La naissance de la psychomotricité*. Montreuil: Éd. de Papyrus

De Ajuriaguerra & Hecaen (1964) *Le Cortex cérébral : étude neuro-psycho-pathologique*. Paris: Masson

De Ajuriaguerra J (1980) Ontogénèse des postures, Moi et l'autre. *La Psychomotricité* 4: 46–51

De Ajuriaguerra J (1989) La peau comme première relation. Du toucher aux caresses. *Psychiatrie de l'enfant* 32:325–49

De Ajuriaguerra J, Jaeggli A, Guignard F *et al.* (1976) The Development and Prognosis of Dysphasia in Children. In: DM Morehead and AE Morehead (Eds.) *Normal and Deficient Child Language*. University Park Press, Baltimore, pp 345–85

De Ajuriaguerra J & Marcelli D (1984) *Psychopathologie de l'enfant*. Masson, Paris

De Ajuriaguerra J & Stambak M (1955) L'évolution des syncinésies chez l'enfant. Place des

syncinésies dans le cadre de la débilite motrice. *Presse Méd* 63:817–19

De Ajuriaguerra J & Stambak M (1975) Developmental dyspraxia and psychomotor disorders. In: PJ Vincken and GW Bruyn (eds) *Handbook of clinical neurology. Vol 4*. North Holland, Amsterdam, pp 443–64

De Ajuriaguerra J & Stucki JD (1975) Developmental disorders of the body schema. In: PJ Vincken and GW Bruyn (eds) *Handbook of clinical neurology. Vol 4*. North Holland, Amsterdam, pp 392–406

De Ajuriaguerra J & Casati I (1985) Ontogénèse du comportement de tendresse. I. Etude de l'embrassement-étroite à partir du pattern 'tendre les bras'. *La Psychiatr Enf* XXVIII:325–42

De Ajuriaguerra J (1985) Organisation neuropsychologique de certaines fonctionnements: des mouvements spontanés au dialogue tonico-postural et aux modes précoces de communication. *Enfance* 2–3: 265–77

De Arce MA & Kearns A (1984) The fragile-x syndrome: The patients and their chromosomes. *J Med Genetics* 21:84–91

Deb S & Thompson B (1998) Neuroimaging in autism. *Br J Psychiat* 173:299–302

De Bie HM, Oostrom KJ, Boersma M, *et al.* (2011) Global and regional differences in brain anatomy of young children born small for gestational age. *PloS one* 6: e24116

De Bie HMA, de Ruiter MB, Ouwendijk M (2015) Using fMRI to Investigate Memory in Young Children Born Small for Gestational Age. *PloS-One* 10: e0129721

De Brito SA, Viding E, Sebastian CL *et al.* (2012) Reduced orbitofrontal and temporal grey matter in a community sample of maltreated children. *JCPP*: online

Debaere F, Swinnen SP, Bèatse E *et al.* (2001) Brain areas involved in interlimb coordination: A distributed network. *Neuroimage* 14:947–58

De Bellis MD, Casey BJ, Dahl RE, *et al.* (2000) A pilot study of amygdala volumes in pediatric generalized anxiety disorder. *Soc Biol Psychiat* 48:51–7

DeBoard Marion S, Kilian SC, Naramor TL *et al.* (2003) Normal development of bimanual coordination: Visuomotor and interhemispheric contributions. *Dev Neuropsychol* 23:399–421

De Boysson-Bardies B (1999) *How language comes to children*. Bradford, Cambridge Ma, pp244

DeCasper AJ & Fifer WP (1980) Of human bonding: Newborns prefer their mother's voices. *Sci* 208:1174–6

De Casper AJ & Spence MJ (1986) Prenatal maternal speech influences newborn's perception of speech sounds. *Infant Behav Dev* 9:133–150

Decety J (2002) Neurobiologie des représentations motrices partagées. In: J Nadel & J Decety (eds) *Imiter pour découvrir l'humain*. Paris, PUF, pp. 105–130

Decety J Michalska KJ & Akitsuki Y (2008) Who caused the pain? An fMRI investigation of empathy and intentionality in children. *Neuropsychol*, 46:2607–14

Decety J & Meyer M (2008) From emotion resonance to empathic understanding: A social developmental neuroscience account. *Dev Psychopath* 20:1053–80

Declerck (1999) Narcolepsie: een zeldzame en complexe aandoening. *Ned T Neurol* 1:12–6

De Deyn PP, Thiery E & D'Hooge R (2003) *Memory, Basic Concepts, Disorders and Treatment*. Leuven: Uitg Acco pp. 488

Dediu D & Levinson SC (2013) On the antiquity of language: the reinterpretation of Neandertal linguistic capacities and its consequences. *Front Psychol*. Vol 4 | 397

Deecke L (1990) Electrophysiological correlates of movement initiation. *Rev Neural* 146:612–9

Deelman BG, Eling P, de Haan E *et al.* (2002) *Klinische neuropsychologie*. Boom, Amsterdam, pp 468

Deelman BG, Saan RJ & van Zomeren AH (eds 1990) *Traumatic brain injury: Clinical, social and rehabilitation aspects*. Swets & Zeitlinger, Lisse

Deep-Soboslay A, Hyde TM, Callicott JP *et al.* (2010) Handedness, heritability, neurocognition and brain asymmetry in schizophrenia. *Brain* 133:3113–22

Defloor T, van Borsel J & Curfs L (1998) Het Prader-Wili syndroom: spraak en taal. *Stem, Spraak- en Taalpathol* 7:81–91

De Gelder B, Van den Stock J, Meeren HKM *et al.* (2010) Sanding up for the body. Recent progress in uncovering the networks involved in the perception of bodies and bodily expressions. *Neurosci Biobehav Rev* 34:513–27

Deglin VL & Kinsbourne M (1996) Divergent thinking styles of the hemispheres: how syllogisms are solved during transitory hemisphere suppression. *Brain Cogn* 31:285–307

Degrandpre RJ (1999) Just cause? Many neuroscientists are all too quick to call a blip on a brain scan the reason for a behavior. *Sci* 39:14–18

De Grauw A (1991) *Small for gestational age infants. Asphyxia and brain development*. Thesis, Free Univ. Amsterdam

De Grauw A, Njiokiktjien & Sonnevill L de (1989) Morphometry of the cerebral hemispheres in developmental dysphasia. *Ann Neurol* 26:482

De Groot J & Chusid JG (1986) Correlative Neuroanatomy and Functional Neurology. Appleton & Lange

De Groot L (2000) Posture and motility in pre-term infants. *DMCN* 42:65–8

De Guibert C, Maumet C, Jannin P. *et al.* (2011). Abnormal functional lateralization and activity of language brain areas in typical specific language impairment (developmental dysphasia). *Brain* 134:3044–58

De Guise E & Lassonde M (2001) Callosal contribution to procedural learning in children. *Dev Neuropsychol* 19:253–72

De Guise E, Quattrini A, Papo I *et al.* (1999) Callosal and cortical contribution to procedural learning. *Brain* 122:1049–62

De Haan EHF (1999) A familial factor in the development of face recognition deficits. *J Clin Exp Neuropsychol* 21:312–15

- De Haan M, Wyatt JS, Roth S *et al.* (2006) Brain and cognitive-behavioural development after asphyxia at term birth. *Dev Sci* 9:350–8
- De Haan M, Mishkin M, Baldeweg T *et al.* (2006) Human memory development and its function after early hippocampal injury. *Trends in Neurosci* 29: 374–81
- Dehaene S (1992) Varieties of numerical abilities. *Cognition*. 44(1–2): 1–42
- Dehaene S (2007) *Les neurones de la lecture*. Paris: Odile Jacob
- Dehaene S (2011) The Massive Impact of Literacy on the Brain and its Consequences for Education Human. In: AM Battro, S Dehaene S (2014) *Consciousness and the brain*, Penguin Group, New York
- Dehaene S (2014) *C3RV34U*. Paris:Ed. De La Martinière
- Dehaene S (2018) Apprendre ! *Les talents du cerveau, le défi des machines*. Paris: Odile Jacob
- Dehaene S, Bossini S, Giraux P (1993) The mental representation of parity and numerical magnitude. *J. Exp. Psychol. Gen.* 122:371–96.
- Dehaene S & Cohen L (1991) Two mental calculation systems: A case study of severe acalculia with preserved approximation. *Neuropsychol* 29:1045–74
- Dehaene S & Cohen L (1997) Cerebral pathways for calculation: double dissociation between rote verbal and quantitative knowledge of arithmetic. *Cortex*. 33:219–50
- Dehaene S, Dupoux E, Mehler J (1990) Is numerical comparison digital? Analogical and symbolic effects in two-digit number comparison. *J Exp Psychol Hum Percept Perform*. 16:626–41
- Dehaene S, Pegado F, Braga LW *et al.* (2010) How learning to read changes the cortical networks for vision and language. *Sci* 330:1359–64
- Dehaene S, Tzourio N, Frak V *et al.* (1996) Cerebral activations during number multiplication and comparison: A PET study. *Neuropsychol* 34:1097–106
- Dehaene-Lambertz G (1998a) A phonological representation in the infant brain. *Neuroreport* 9:188588
- Dehaene-Lambertz G (1998b) Comment la langue devient-elle maternelle ? Nouveaux aperçus sur les premières étapes de l'acquisition du langage. *Méd Therap/Pediat* 1:73–8
- Dehaene-Lambertz G (2004) Common Neural Basis for Phoneme Processing in Infants and Adults. *J Cogn Neurosci* 16:1375–87
- Dehaene-Lambertz G (2006) Cerebral Specialization for Speech and Non-Speech Stimuli in Infants. *J Cogn Neurosci* 12:449–60
- Dehaene-Lambertz G & Dehaene S (1994) Speed and cerebral correlates of syllable discrimination in infants. *Nature* 370:292–5
- Dehaene-Lambertz, G Dehaene S & Hertz-Pannier L (2002) Functional Neuroimaging of Speech Perception in Infants. *Sci* 298:2013–15
- Dehaene-Lambertz G (2004) Common Neural Basis for Phoneme Processing in Infants and Adults. *J Cogn Neurosci* 16:1375–87
- Dehaene-Lambertz G, Hertz-Pannier L & Dubois J (2006a) Nature and nurture in language acquisition: anatomical and functional brain-imaging studies in infants. *TINS* 29:367–73
- Dehaene-Lambertz G, Hertz-Pannier L, Dubois J *et al.* (2006b) Functional organization of perisylvian activation during presentation of sentences in preverbal infants. *PNAS USA* 103:14240–45
- Dehaene-Lambertz G, Hertz-Pannier L, Dubois J *et al.* (2008) How Does Early Brain organisation promote language acquisition in humans? *Eur Rev* 16:399–411
- Dehaene-Lambertz G, Pena M, Christophe A *et al.* (2004) Phoneme perception in a neonate with a left sylvian infarct. *Brain Lang* 88:26–38
- Dehaene S, Pegado F, Braga LW *et al.* (2010) How learning to read changes the cortical networks for vision and language. *Science* 330:1359–64
- Dehaene-Lambertz G & Spelke ES (2015) *The infancy of the human brain*. CBMM Memo No. 053
- Dehaene S (2014) *Consciousness and the brain*. New York: Penguin Books
- Dehaene S (2021) *Face à face avec son cerveau*. Paris: Odile Jacob
- Dekaban AS & Lehman EJB (1975) Effects of different dosages of anticonvulsant drugs on mental performance in patients with chronic epilepsy. *Acta Neurol Scand* 52:319–30
- De Havas, JA, Parimal S, Soon CS *et al.* (2012) Sleep deprivation reduces default mode network connectivity and anti-correlations during rest and task performance. *NeuroImage* 59: 1745–51
- Dekker R, Aldenkamp AP, Alpherts WCI (1989)) *Subtypes of learning disabilities in epilepsy*. 18th International Epilepsy Congress, New Delhi
- De Kovel CGF & Francks C. (2019) The molecular genetics of hand preference revisited. *Sci Rep*. 12:5986
- De La Fuente-Fernández R, Kishore A, Calne DB *et al.* (2000) Nigrostriatal dopamine system and motor lateralization. *Beh Brain Res* 112:63–8
- Delage H & Frauenfelder UH (2019) Relationship between working memory and complex syntax in children with Developmental Language Disorder. *J Child Lang* 28:1–33
- De Lange C (1933) Sur un type nouveau de dégénération (typus Amstelodammensis). *Arch Méd Enf* 36:713–19
- Del Giudice E, Grossi D, Angelini R *et al.* (2000) Spatial cognition in children. I. Development of drawing-related (visuospatial and constructional) abilities in preschool and early school years. *Brain Dev* 22:362–7
- Del Giudice E, Trojano L, Fragassi NA *et al.* (2000) Spatial cognition in children. II. Visuospatial and constructional skills in developmental reading disability. *Brain Dev* 22:368–72
- Del Giudice M & Haltigan JD (2021) An integrative evolutionary framework for psychopathology. *Dev Psychopathol* 35:1–11
- Del Giudice M, Manera V & Keyser C (2008) Programmed to learn. *Dev Sci* 12:350–63
- Dellatolas G, Viguier D, Deloche G *et al.* (1998) Right-left orientation and significance of systematic reversal in children. *Cortex* 34:659–76
- de Kloet ER, Joels M & Holsboer F (2005) Stress and the brain: from adaptation to disease. *Nat Rev Neurosci* 6:463–75
- De Neef M (2022) Negatief zelfbeeld. Amsterdam: Boom
- De Lange, S.C., Tissingh, E., Bresser, T. *et al.* (2025) Multimodal brain imaging of insomnia, depression and anxiety symptoms indicates transdiagnostic commonalities and differences. *Nat. Mental Health* 3:517–29
- Delleman, O (2014) Belichaamd (be)handelen. *Neuropsychol* 18:135–39
- DeLong GR (1992) Autism, amnesia, hippocampus, and learning. *Neurosci Biobehav Rev* 16:63–70
- DeLong GR (1995) Medical and pharmacologic treatment of learning disabilities. *J Child Neurol* 10:S92–S5
- DeLong GR, Bean Ch & Brown FR (1981) Acquired reversible autistic syndrome in acute encephalopathic illness in children. *Arch Neurol* 38:191–94
- DeLong GR & Heinz ER (1997) The clinical syndrome of early-life bilateral hippocampal sclerosis. *Ann Neurol* 42:11–17
- DeLong GR & Nohria C (1994) Psychiatric family history and neurological disease in autistic spectrum disorders. *DMCN* 36:441–8
- DeLong GR, Ritch CR & Burch S (2002) Fluoxetine response in children with autistic spectrum disorders: Correlation with familial major affective disorder and intellectual achievement. *DMCN* 44:652–9
- DeLong GR, Teague LA & MsSwain Kamran M (1998) Effects of fluoxetine treatment in young children with idiopathic autism. *DMCN* 40:551–62
- Demany L, McKenzie B & Vurpillot E (1977) Rhythm perception in early infancy. *Nature* 266:718–19
- De Marco FA, Ghizoni E, Kobayashi E *et al.* (2003) Cerebellar volume and long-term use of phenytoin. *Seizure* 12:312–5
- Demaree HA & Harrison DW (1997) Physiological and neuropsychological correlates of hostility. *Neuropsychol* 35:1405–11
- Demertzi A, Vanhaudenhuyse A, Bredart S *et al.* (2013) Looking for the self in pathological unconsciousness. *Front Hum Neurosci* 7:538
- Démonet JF & Thierry G (2001) Language and brain: what is up? What is coming up? *J Clin Exp Neuropsychol* 23:49–73
- Démonet J-F, Thierry G, Cardebat D (2005) Renewal of the Neurophysiology of Language: Functional Neuroimaging. *Physiol Rev* 85:49–95
- De Mijolla A (direction, 2005) *Dictionnaire international de la psychanalyse*. Tome I et Tome II. Paris:Hachette
- De Montfort Supple M (1998) The relationship between oral and written language. *Fol Phoniat Logoped* 50:243–55
- Demontis D, Walters RK, Martin J *et al.* (2019). Discovery of the first genome-wide significant risk loci for attention deficit/hyperactivity disorder. *Nat Genet* 51:63–75
- De Muinck Keizer-Schrama SMPF & Otten BJ (eds 2002) Het syndroom van Turner. *The-manummer* 70:81–129

- Denays R, Tondeur M, Foulon M *et al.* (1989) Regional brain blood flow in congenital dysphasia: Studies with Technetium-99m HM-PAO SPECT. *J Nucl Med* 30:1825-9
- Denckla MB (1973) Development in speed in repetitive and successive finger movements in normal children. *DMCN* 15:635-45
- Denckla MB (1974) Development of motor coordination in normal children. *DMCN* 16:729-41
- Denckla MB (1978) Critical review of electroencephalographic and neurophysiological studies in dyslexia. In: Benton AL & Pearl D (eds) *Dyslexia. An appraisal of current knowledge*. Oxford University Press, New York, pp 241-50
- Denckla MB (1985) Motor coordination in dyslexic children. Theoretical and clinical implications. In: Duffy F & Geschwind N (eds) *Dyslexia*. Little, Brown and Co, Boston, pp 187-95
- Denckla MB, LeMay M & Chapman CA (1985) Few CT scan abnormalities found even in neurologically impaired learning disabled children. *J Learn Disab* 18:132-35
- Denckla MB & Roeltgen DP (1992) Disorders of motor functions and control. In: Rapin I & Segalowitz SJ (eds) *Handbook of Neuropsychology vol.6 (Child Neuropsychology, part 1 & 2)* Elsevier, Amsterdam. pp 455-74
- Denckla MB & Rudel RG (1978) Anomalies of motor development in hyperactive boys. *Ann Neurol* 3:231-3
- Denenberg VH (1981) Hemispheric laterality in animals and the effects of early experience. *Behav Brain Sci* 11:1-49
- Dennett D (2017) *From bacteria to bach and back: the evolution of minds*. New York: W.W. Norton & Co.
- Dennis M (1976) Impaired sensory and motor differentiation with corpus callosum agenesis: a lack of callosal inhibition during ontogeny? *Neuropsychol* 14:455-69
- Dennis M (1981) Language in congenitally acausal brain. *Brain Lang* 12:33-53
- Dennis M (1980) Capacity and strategy for syntactic comprehension after left or right hemidecortication. *Brain Lang* 10:287-317
- Dennis M & Barnes MA (2000) Speech acts after mild or severe childhood head injury. *Aphasiol* 14:391-405
- Dennis M, Fitz CR, Netley CT *et al.* (1981) The intelligence of hydrocephalic children. *Arch Neurol* 38:607-15
- Dennis M & Kohn B (1975) Comprehension of syntax in infantile hemiplegics after cerebral hemidecortication: left-hemisphere superiority. *Brain Lang* 2:472-82
- Dennis M & Whitaker H (1976) Language acquisition following hemidecortication: linguistic superiority of the left over the right hemisphere. *Brain Lang* 3:404-33
- Den Ouden AL, Kok JH, Verkerk PH *et al.* (1996) De relation between neonatal thyroxine levels and neurodevelopmental outcome at age 5 and 9 years in a national cohort of very preterm and/or very low birth weight infants. *Pediatr Res* 39:142-5
- Deonna T, Zesiger P, Davidoff V *et al.* (2000) Benign partial epilepsy of childhood: a longitudinal neuropsychological and EEG study of cognitive function. *DMCN* 42:595-603
- Deonna T, Ziegler A-L, Moura-Serra J *et al.* (1993) Autistic regression in relation to limbic pathology and epilepsy: Report of two cases. *DMCN* 35:158-76
- Denys D & Vulink N (2011) *Body dysmorphic Disorder*. Zwolle (NL): van Gorcum
- De Renzi E (1979) Hemispheric asymmetry as evidenced by spatial disorders. In: M Kinsbourne (ed) *Asymmetrical function of the brain*. Cambridge University Press, Cambridge, pp 49-85
- DeReuck J, Chattha AS, Richardson EP (1972) Pathogenesis and Evolution of Periventricular Leukomalacia in Infancy. *Arch Neurol* 27:229-36
- De Ridder D, Smith ML & Adhia D (2023) Autonomic nervous system and the triple network: an evolutionary perspective with clinical implications. Ch 4 in David S. Cantor DS, Pritchep LS (eds). *Introduction to Quantitative EEG and Neurofeedback*. Ac Press. pp 63-72
- De Ridder D, Vanneste S, Smith M *et al.* (2022) Pain and the Triple Network Model. *Front. Neurol.* 13:757241 doi: 10.3389/fneur.2022.757241
- De Rijk-van Andel JF, Arts WFM, Barth PG *et al.* (1990) Diagnostic features and clinical signs of 21 patients with lissencephaly type I. *DMCN* 32:707-17
- Desai RH, Binder JR, Conant LL (2010) Activation of Sensory--Motor Areas in Sentence Comprehension. *Cer Cortex* 20:468-78
- Descartes R (1637) *Discours de la méthode*. Leiden: Jan Meester (ano-nieme uitg.). Edition 1991 Paris: Gallimard
- De Schonen S (1977) Functional asymmetries in the development of bimanual coordinations in human infants. *J Hum Mov Stud* 3:144-56
- De Schonen S & Bry (1987) Interhemispheric communication of visual learning: A developmental study in 3-6 month old infants. *Neuropsychol* 25:601-12
- De Schonen S & Mathivet E (1989) First come, first served: A scenario about the development of hemispheric specialization in face recognition during infancy. *Eur Bull Cogn Psychol* 9:3-44
- De Schonen S, Van Hout J, Mancini J *et al.* (1994) Neuropsychologie et développement cognitif. In: Seron et Jeannerod (eds) *Neuropsychologie humaine*. pp 487-527
- De Smet Y (1994) The "anterior operculum syndrome". *J Neurol* 241:570-1
- Desmond JE, Gabriela JDE, Wagner AD *et al.* (1997) Lobular patterns of cerebellar activation in verbal working-memory and finger-tapping tasks as revealed by functional MRI. *J Neurosci* 17:9675-85
- De Sonnevle LMJ (1999) Amsterdam neuropsychological Tasks: a computer-aided assessment program. In: BPLM den Brinker, PJ Beek, AN Brand *et al.* (Eds), *Cognitive ergonomics, clinical assessment and computer-assisted learning: Computers in Psychology, Vol*
- De Sonnevle LMJ (2005) Amsterdamse Neuropsychologische Taken: wetenschappelijke en klinische toepassingen. Tijdschrift voor Neuropsychologie 1:27-41
- De Sonnevle LMJ (2012) *ANT Handboek*. Amsterdam, Boom uitg.
- De Sonnevle LMJ & Nijokiktjen C (eds, 1988) *Pediatric Behavioural Neurology. Vol 2. Aspects of information processing. A computer-based approach of development and disorders*. Amsterdam Suyi Publications
- De Sonnevle LMJ, Nijokiktjen C & Bos H (1994) Methylphenidate and information processing: I Differentiation between responders and nonresponders; II Efficacy in Responders. *J Clin Exp Neuropsychol* 16:877-97
- De Sonnevle LMJ, Nijokiktjen C & Hilhorst RH (1991). Methylphenidate Induced Changes in ADHD Information Processors. *JCPP* 32: 285-95
- De Sonnevle LMJ, Verschoor CA, Nijokiktjen C *et al.* (2002) Facial identity and facial emotions: speed, accuracy and processing strategies in children and adults. *J Clin Exp Neuropsychol* 24:200-13
- D'Esposito M, Detre JA, Aguirre GK *et al.* (1997) A functional MRI study of mental image generation. *Neuropsychol* 35:725-730
- D'Esposito M, Postle BR & Ballard D (1999) Maintenance versus Manipulation of Information Held in Working Memory: An Event-Related fMRI Study. *Brain Cogn* 41:66-86
- Dessens AB, Cohen-Kettenis PT, Mellenbergh GJ *et al.* (2000) Association of prenatal phenobarbital and phenytoin exposure with small head size at birth and with learning problems. *Acta Paediatr* 89:533-41
- De Stefani E, Nicolini Y, Belluardo M *et al.* (2019) Congenital facial palsy and emotion processing: The case of moebius syndrome. *Genes Brain Behav* 18:e12548
- De Vente W, Majdandzic M & Bögels SM (2020) Intergenerational transmission of anxiety: linking parental anxiety to infant autonomic hyperarousal and fearful temperament. *JCPP* DOI: 10.1111/jcpp.13208
- Devinsky O & Bear D (1984) Varieties of aggressive behavior in temporal lobe epilepsy. *Am J Psychiat* 141:651-56
- Devinsky O (2000) Right cerebral hemisphere dominance for a sense of corporeal and emotional self. *Epil & Behav* 1: 60-73
- Devlin AM, Cross JH, Harkness W *et al.* (2003) Clinical outcomes of hemispherectomy for epilepsy in childhood and adolescence. *Brain* 126:556-66
- De Vries BB, Jansen CC, Duits AA *et al.* (1996) Variable FMR1 gene methylation of large expansion leads to variable phenotype in three males from one fragile x family. *J Med Genet* 33:1007-10
- De Vries JIP, Visser GHA & Prechtl HFR (1982) The emergence of fetal behaviour. i Qualitative aspects. *Early Hum Dev*. 7: 301-22. (1985) ii. Quantitative aspects. *Early Hum Dev* 12: 99-120
- De Vries JIP, Wimmers RH, Ververs IAP *et al.* (2001) Fetal handedness and head position preference: A developmental study. *Dev Psychobiol* 39:171-8
- De Vries JS (1977) *Spastische kinderen (infantiele encefalopathie)*. Stafleu, Leiden
- De Vries LBA, Verkerk JMA, Niermeijer MF *et al.* (1992) Het fragile-x-syndroom: basaal

- defect, diagnostiek en erfelijkheidadvies. *NTvG* 136:1247–51
- De Vries LS (1987) *Ischaemic lesions in the premature infant: Correlation of imaging and outcome*. Thesis, Utrecht
- De Vries LS, Barth PG & Dubowitz LMS (1986) Periventriculaire leukomalacie van de prematuur geboren; een veel voorkomende cerebrale complicatie en een echografische diagnose. *Ned T Geneesk* 130:24–27
- De Vries LS, Connell JA, Dubowitz LMS *et al.* (1987) Neurological, electrophysiological and MRI abnormalities in infants with extensive cystic leukomalacia. *Neuropediatr* 18:61–66
- De Vries LS, Groenendaal F, Eken P *et al.* (1997) Infarcts in the vascular distribution of the middle cerebral artery in preterm and fullterm infants. *Neuropediatr* 28:88–96
- De Vries LS, Lary S, Whitelaw AG *et al.* (1987) Relationship of serum bilirubin levels and hearing impairment in newborn infants. *Early Hum Dev* 15:269–77
- De Vries LS, Rademaker KJ, Groenendaal F *et al.* (1998) Correlation between neonatal cranial ultrasound, MRI in infancy and neurodevelopmental outcome in infants with a large intraventricular haemorrhage with or without unilateral parenchymal involvement. *Neuropediatr* 29:180–8
- De Vries ALC, Steensma TD, Doreleijers TAH, Cohen-Kettenis PT (2011) Puberty Suppression in Adolescents With Gender Identity Disorder: A Prospective Follow-Up Study. *J Sex Med* 8:2276–83
- De Waal F (2015) *Een tijd voor empathie*. Amsterdam: Atlas Contact
- De Waal F (2019) *Mama's laatste omhelzing*. Amsterdam: Atlas Contact
- De Waal F (2022) Anders. Gender door de ogen van een primatoloog. Amsterdam: Atlas Contact
- DeWolf M, Grounds MA, Bassok M *et al.* (2014) Magnitude comparison with different types of rational numbers. *J Exp Psychol Hum Percept Perform* 40:71–82
- Diamond A (1990) The development and neural bases of memory functions as indexed by the AB and delayed response tasks in human infants and infant monkeys. In: Diamond A (ed) *The Development and Neural Bases of higher Cognitive Functions*. *Annals NY Ac Sci* 608:267–317
- Diamond A (1993) Neuropsychological insights into the meaning of object concept development. In: Johnson M (ed) *Developmental cognitive neuroscience*. Blackwell, Oxford, 208–47
- Diamond A (2000) Close interrelation of motor development and cognitive development, and of the cerebellum and prefrontal cortex. *Child Dev* 71:44–56
- Diamond A (2005) Attention-deficit disorder (attention-deficit/hyperactivity disorder without hyperactivity): A neurobiologically and behaviorally distinct disorder from attention-deficit/hyperactivity disorder (with hyperactivity). *Dev Psychopathol* 17:807–25
- Diamond A (2013) Executive functions. *Ann Rev Psychol* 64:135–68
- Diamond A, Prevor MB, Callender G *et al.* (1997) Prefrontal cortex cognitive deficits in children treated early and continuously for PKU. *Monogr Soc Res Child Dev* 62:1–208
- Diatkine R (1984) Problèmes cliniques et thérapeutiques des dysphasies graves de l'enfance. *Neuropsychiatr Enf* 32:10–11
- Diatkine R (1984) Clinical and therapeutic problems of severe dysphasias in children (French) *Neuropsychiatr Enf Adolesc* 32:553–56
- Díaz-Arrastia R (2000) Homocysteine and neurologic disease. *Arch Neurol* 57:1422–8
- Dick AS & Tremblay P (2012) Beyond the arcuate fasciculus: consensus and controversy in the connective anatomy of language. *Brain* 135:3529–50
- Dick AS, Bernal B & Tremblay P (2014) The language connectome: new pathways, new concepts. *Neuroscientist* 20:453–67
- Digilio MC, Pacifico C, Tieri L *et al.* (1999) Audiological findings in patients with microdeletion 22q11 (di George/velocardiofacial syndrome). *Br J Audiol* 33:329–34
- DiGiulio DV, Seidenberg M, O'Leary DS *et al.* (1994) Procedural and declarative memory: A developmental study. *Brain Cogn* 25:79–91
- Dijkerman HC (2015). How do different aspects of self-consciousness interact? *TICS*, 19:427–8
- Dijkerman HC & Farnè A (2015) Sensorimotor and social aspects of peripersonal space. *Neuropsychol*, 70:309–12
- Dikel TN, Fennell EB, Nadeau SE *et al.* (2001) A neuropsychological outcome study of a child's left pericallosal arteriovenous malformation with occult fornix lesion. *Neurocase* 7:503–13
- Dikmen S & Matthews CG (1977) Effect of major motor seizure frequency upon cognitive intellectual functions in adults. *Epilepsia* 18:21–29
- Dilts CV, Morris CA & Leonard CO (1990) Hypothesis for development of a behavioral phenotype in Williams syndrome. *Am J Med Genet Suppl* 6:126–31
- Di Lorenzo R, Balducci J, Poppi C *et al.* (2021) Children and adolescents with ADHD followed up to adulthood: a systematic review of long-term outcomes. *Acta Neuropsych* 33:283–298
- Di Martino A, Zuo X-N, Kelly C *et al.* (2013). Shared and Distinct Intrinsic Functional Network Centrality in Autism and Attention-Deficit/Hyperactivity Disorder. *Biol Psychiat*, 74:623–32
- Dimond SJ (1976) Drugs improve learning in man: Implications and neuropsychological analysis. In: RM Knights and DJ Bakker (eds) *The neuropsychology of learning disorders*. Univ Park Press, Baltimore, pp 367–80
- Dimond SJ & Beaumont JG (1974) *Hemisphere function in the human brain*. Elek Science, London
- Dimond SJ, Scammel RE, Brouwers EYM *et al.* (1977) Functions of the centre section trunk of the corpus callosum in man. *Brain* 100:543–62
- Ding K, He R, Wang X *et al.* (2024) Recognizing ideas generated in a creative task: the roles of the hippocampus and medial prefrontal cortex in facilitating self-generated learning. *Cereb Cortex*. 34(5):bhac219
- Dingemans AE, Volkmer SA, Mulkens S *et al.* (2022) The obsessive-compulsive spectrum: A network analysis. *Psychiat Res*. Feb; 308:114351
- Dinklage D & Barkley RA (1992) Disorders of attention in children. In: SJ Segalwitz and I Rapin (eds) *Handbook of Neuropsychology, Vol 7: Child Neuropsychology*. Part 2. Elsevier, Amsterdam, pp 279–307
- Dinkler L, Lundström S, Gajwani R *et al.* (2017) Maltreatment-associated neurodevelopmental disorders: a co-twin control analysis. *JCPP* 58:691–701
- DiNuzzo M, Mascali D, Bussu G *et al.* (2022) Hemispheric functional segregation facilitates target detection during sustained visuospatial attention. *Hum brain map* 43:4529–39
- Dixon S, Thal D, Potrykus J *et al.* (1997) Early language development in children with prenatal exposure to stimulant drugs. *Dev Neuropsychol* 13:371–96
- Dlugos DJ, Moss EM, Duhaime AC *et al.* (1999) Language-related cognitive declines after left temporal lobectomy in children. *Pediatr Neurol* 21:444–9
- Dodd B & McCormack P (1995) A model of speech processing for differential diagnosis of phonological disorders. In: B Dodd (ed) *Differential diagnosis & treatment of children with speech disorder*. London: Whurr Publ
- Dodson CK, Travis KE, Borchers L *et al.* (2018) White matter properties associated with pre-reading skills in 6-year-old children born pre-term and at term. *DMCN* 60:695–702
- Doidge N (2007) *The Brain That Changes Itself, Stories of Personal Triumph from the Frontiers of Brain Science*. London: Penguin Books
- Dodge PR, Holmes SJ & Sotos JF (1983) Cerebral gigantism. *DMCN* 25:248–52
- Doenys C (2018) Gut Microbiota, Inflammation, and Probiotics on Neural Development 4 in Autism Spectrum Disorder. *Neurosci* 374:271–86
- Doherty CP, Fitzsimons M, Asenbauer B *et al.* (1999) Discrimination of prosody and music by normal children. *Eur J Neurol* 6:221–6
- Dolto F (1984) *L'image inconsciente du corps*. Paris : Editions du Seuil.
- Domellöf E, Johansson A-M, Rönnqvist L (2011) Handedness in preterm born children: a systematic review and a meta-analysis. *Neuropsychol*. 49:2299–310
- Dominici N, Ivanenko YP, Cappellini G *et al.* (2011) Locomotor Primitives in Newborn Babies and Their Development. *Science* 334:997–9
- Donald M (1999) Preconditions for the evolution of protolanguages. In: MC Corballis & SEG Lea (eds) *The descent of mind: Psychological perspectives on hominid evolution*. Oxford: Oxford Un Press, pp 138–54
- Donchin S & Cardoso De Oliveira S (2004) Electrophysiological approaches to bimanual coordination in primates. In Swinnen SP & Duysens J (Eds.), *Neurobehavioral determinants of interlimb coordination*. Boston MA: Kluwer Acad Publ
- Dong Y, Fukuyama H, Honda M, *et al.* (2000) Essential role of the right superior parietal cortex in Japanese kana mirror reading. An fMRI study. *Brain* 123:790–9
- Dongier S (1977) Behavioral aspects. Temporal lobe seizures in childhood. In: ME Blaw, I Rapin and M Kinsbourne (eds) *Topics in child neurology*. Spectrum Publ Inc, New York, pp 127–41

- Donnelly N & Davidoff J (1999) The mental representations of faces and houses: Issues concerning parts and wholes. *Visual Cognit* 6:319–43
- Donnot J, Phélip M, Blättler C *et al.* (2013) Children below 9 years use both verbal cues and lateralized cues to orient their attention in an emotional dichotic listening task. *Laterality* 14:470–9
- Doose H, Neubauer B & Carlsson G (1996) Children with benign focal sharp waves in the EEG – Developmental disorders and epilepsy. *Neuropediatr* 27:227–41
- Dopierala AAW, López Pérez D, Mercure E *et al.* (2016) Watching talking faces: The development of cortical representation of visual syllables in infancy. *Brain Lang* 244:105304
- Dorahy MJ, Huntjens RJC, Marsh RJ *et al.* (2021) The Sense of Self Over Time: Assessing Diachronicity in Dissociative Identity Disorder, Psychosis and Healthy Comparison Groups. *Front Psychol* 12:620063
- Doreleijers Th, Boer F, Huisman J *et al.* (2016) *Leerboek psychiëtrie Kinderen en Adolescenten*. Utrecht: De Tijdstroom
- Dorion AA, Chantôme M, Hasboun D *et al.* (2000) Hemispheric asymmetry and corpus callosum morphometry: A magnetic resonance imaging study. *Neurosci Res* 36:9–13
- Dornes M (2004) *Der kompetente Säugling. Die präverbale Entwicklung des Menschen*. Frankfurt am Main: Fischer, Geist und Psyche
- Dorsaint-Pierre R, Penhune VB, Watkins KE (2006) Asymmetries of the planum temporale and Heschl's gyrus: relationship to language lateralization. *Brain* 129:1164–76
- Doty RW (2003) Unity from duality. *Acta Neurobiol Exp* 63:163–70
- Doty RW, Negrao N, Yamaga K (1973) The unilateral engram. *Acta Neurobiol Exp Warsaw* 33:711–28
- Douglas RJ (1967) The hippocampus and behavior. *Psychol Bull* 67:411–42
- Douglas VI (1984) Attentional and cognitive problems. In: M Rutter (ed) *Developmental neuropsychiatry*. Churchill Livingstone, Edinburgh, pp 280–329
- Dow KE & Riopelle RJ (1987) Neurotoxicity of Ethanol during prenatal development. *Clin Neuropharm* 10:330–41
- Downing PE, Jiang Y, Shuman M *et al.* (2001) A cortical area selective for visual processing of the human body. *Sci* 293:2470–3
- Doyon J, Gaudreau D, Laforce R *et al.* (1997) Role of the Striatum, Cerebellum, and Frontal Lobes in the Learning of a Visuomotor Sequence. *Brain Cogn* 34:218–45
- Drake C (1964) Reading, writing and rhythm. *Reading Teacher* 18:202 – 205
- Drake WE (1968) Clinical and pathological findings in a child with developmental learning disability. *J Learn Disabil* 1:9–25
- Drane DL, Lee GP, Loring DW *et al.* (1999) Time perception following unilateral amobarbital injection in patients with temporal lobe epilepsy. *J Clin Expt Neuropsychol* 21:385–96
- Dreier JW, Trabjerg BB, Plana-Ripoll O *et al.* (2024) Epilepsy in childhood and school performance: a nation-wide cohort study. *Brain* 147:532–41
- Drenthen GS Fasen F; Fonseca Wald ELA *et al.* (2020) Functional brain network characteristics are associated with epilepsy severity in childhood absence epilepsy. *NeuroImage: Clin* 27:102264
- Driessen M, Hermanns J & Cools A (1976) Een onderzoek naar de validiteit van de Denver Ontwikkeling Screeningtest. *T Kindergeren* 44:215–9
- Drillien CM (1958) Growth and development in a group of children of very low birth weight. *Arch Dis Child* 33:10–15
- Drillien CM (1972) Aetiology and outcome in low-birthweight infants. *DMCN* 14:563–74
- Drillien CM, Thomson AJM & Burgoyne K (1980) Low-birthweight children at early school-age: A longitudinal study. *DMCN* 22:26–47
- Dring G (2015) Anorexia runs in families: is this due to genes or the family environment? *J Fam Therap* 37:79–92
- Driver J & Spence C (1998) Attention and the crossmodal construction of space. *Trends Cognit Sci* 2:254–62
- Dronkers NF (1996) A new brain region for coordinating speech articulation. *Nature* 384:159–61
- Dronkers NF, Ivanova MV & Baldo JV (2017) What Do Language Disorders Reveal about Brain–Language Relationships? From Classic Models to Network Approaches. *J Inter Neuro-psychol Soc* 23:741–54
- Droogleevers Fortuyn HA, Gilhuis HJ, Renier WO (2002) Psychiatrische comorbiditeit bij narcolepsiepatiënten. *Ned T Neurol* 4:297–302
- Druker J & Hagen JW (1969) Developmental trends in the processing of task-relevant and task-irrelevant information. *Child Dev* 40:371–482
- Drummond SP, Walker M, Almklov E *et al.* (2013) Neural correlates of working memory performance in primary insomnia. *Sleep* 36:1307–16
- D'Souza D, Booth R, Connolly M *et al.* (2015) Rethinking the concepts of 'local or global processors': evidence from Williams syndrome, Down syndrome, and Autism Spectrum Disorders. *Dev Sci* 19:452–68
- D'Souza D, D'Souza H, Johnson MH *et al.* (2015) Concurrent Relations between Face Scanning and Language: A Cross-Syndrome Infant Study. *PLOS One* 10:e0139319
- Dubischar-Krivec AM, Neumann N, Poustka F *et al.* (2009) Calendar calculating in savants with autism and healthy calendar calculators. *Psychol Med* 8:1355–63
- Dubois J, Dehaene-Lambertz G, Kulikova S *et al.* (2014). The early development of brain white matter: a review of imaging studies in fetuses, newborns and infants. *Neurosci* 276:48–71
- Dubois J, Hertz-Pannier L, Cachia A *et al.* (2009) Cerebral Cortex Structural Asymmetries in the Infant Language and Sensori-Motor Networks. *Cer Cortex* 19:414–23
- Dubowitz, LMS Bydder GM & Mushin J (1985) Developmental sequence of periventricular leucomalacia. *Arch Dis Childh* 60:349–55
- Dubrovinskaya NV, Machinskaya RI, Savchenko EI (1993) Cerebral organization of selective attention. In: Farber D and Njokiktjen C (Eds, 1993) *Pediatric behavioural Neurology, vol 4. Developing Brain and Cognition*. Suyi Publ, Amsterdam, pp 111–133
- Dubrovinskaya N (1993) Development of attention mechanisms. In: Farber D and Njokiktjen C (eds.) *Pediatric Behavioural Neurology, vol. 4*. Suyi Publ, Amsterdam, pp. 87–97
- Dubrovinskaya NV, Machinskaya RI & Savchenko EI (1993) Cerebral organization of selective attention. In: Farber D and Njokiktjen C (Eds, 1993) *Pediatric behavioural Neurology, vol 4. Developing Brain and Cognition*. Suyi Publ, Amsterdam, pp111-133
- Duchêne R, Ramaekers G, Njokiktjen C, *et al.* (1991) Sensory-motor development III: Bimanual movements as a timed manoeuvre. In: Ramaekers G & Njokiktjen C (eds 1991) *Pediatric Behavioural neurology, vol 3, The child's corpus callosum*. Suyi Publ, Amsterdam, 129–62
- Duffau H, Herbet G & Moritz-Gasser S (2013) Toward a pluri-component, multimodal, and dynamic organization of the ventral semantic stream in humans: lessons from stimulation mapping in awake patients. *Front syst Neurosci* 7:26 aug. 2013
- Duffau H, Leroy M & Gatignol P (2008) Cortico-subcortical organization of language networks in the right hemisphere: An electrostimulation study in left-handers. *Neuropsychol* 46 3197–209
- Duffy FH (1985) The beam method for neurophysiological diagnosis. In: F Nottebohm (ed) *Hope for a new neurology. Ann NY Ac Sci* 457:19–35
- Duffy FH & N Geschwind (eds, 1985) *Dyslexia. A neuroscientific Approach to clinical evaluation*. Boston/Toronto: Little, Brown and Cy
- Duffy FH & McAnulty GB (1985) Brain electrical activity mapping (beam): The search for a physiological signature of dyslexia. In: Duffy FH & Geschwind N (eds) *Dyslexia. A neuroscientific approach to clinical evaluation*. Little, Brown and Cy, Boston, pp 105–22
- Duffy FH, McAnulty GB & Schachter SC (1984) Brain Electrical Activity Mapping. In: N Geschwind and AM Galaburda (eds) *Cerebral Dominance*. Harvard Univ Press, Cambridge, Mass, pp 53–74
- Dugas M, Grenet P, Masson M *et al.* (1976) Aphasie de l'enfant avec épilepsie. Evolution Régressive sous traitement antiepileptique. *Rev Neurol* 132:489–93
- Dugas M, Masson M, Le Heuzey MF *et al.* (1982) Aphasie 'acquise' de l'enfant avec épilepsie (syndrome de Landau et Kleffner). Douze observations personnelles. *Rev Neurol (Paris)*, 138:755–80
- Dulac O (2001) What is West syndrome? *Brain Dev* 23:447–52
- Dumont JJ (1984) *Problems in reading and spelling*. (Dutch) Lemniscaat, Rotterdam

- Dumont JJ (1984) *Learning disabilities. Causes and remediation methods.* (Dutch) Lemniscaat, Rotterdam
- Dunbar R (2016) *Human evolution. Our brains and behavior.* New York: Oxford Un Press
- Dunbar RIM (2004) Gossip in Evolutionary Perspective. *Rev Gen Psychol* 8:100–10
- Dunbar RIM (1996) *Grooming, gossip and the evolution of language.* Cambridge, MA: Harvard Un Press
- Duncan L, Comeau J, Wang L *et al.* (2019) Research Review: Test-retest reliability of standardized diagnostic interviews to assess child and adolescent psychiatric disorders: a systematic review and meta-analysis. *JCPP* 60:16–29
- Dunn AJ (1986) Biochemical correlates of learning and memory. In: JL Martinez Jr and RP Kesner (eds) *Learning and memory. A biological view.* Acad Press, Orlando, pp 165–201
- Dunn EC, Crawford KM, ThomasWS *et al.* (2018) Exposure to childhood adversity and deficits in emotion recognition: results from a large, population based sample. *JCPP* 59:845–54
- Dunn HG, Auckland NI & Low MD (1986) Electroencephalograms. In: HG Dunn (ed) *Sequelae of low birthweight: The Vancouver study.* Clin Dev med 95–96. Blackwell Sci Publ, Oxford and Lippincott, Philadelphia, pp 219–37
- Dunn HG, Ho HH & Schulzer M (1986) Minimal Brain Dysfunctions. In: HG Dunn (ed) *Sequelae of low birthweight: The Vancouver Study.* Clin Dev Med No 95–96, Blackwell, Oxford and Lippincott, Philadelphia, pp 97–114
- Dunn JC & Kirsner K (2003) What can we infer from double dissociations? *Cortex* 39:1–7
- Dunn W (2013) *Leven met sensaties.* Amsterdam: uitg. Pearson BV
- Dunphy-Lelii S & Wellman HM (2004) Infants' understanding of occlusion of others' line of sight: implications for and emerging theory of mind. *Eur J Dev Psychol* 1:49–66
- Du Plessis AJ, Bellinger DC & Gauvreau K (2002) Neurologic outcome of choreoathetoid encephalopathy after cardiac surgery. *Ped Neurol* 27:9–17
- Dupont S, Van de Moortele PF, Samson S *et al.* (2000) Episodic memory in left temporal lobe epilepsy: A functional MRI study. *Brain* 123:1722–32
- Dupré E (1925) *Debilité motrice. Dans: Pathologie de l'imagination et de l'émotivité.* 275–80
- Duque J, Murase N, Celnik P *et al.* (2007) Intermanual Differences in movement-related interhemispheric inhibition. *J Cogn Neurosci.* 19:204–13
- Durston S, Hulshoff Pol HE, Casey BJ *et al.* (2001) Anatomical MRI of the developing human brain: What have we learned? *JAACAP* 40:1012–20
- Dusanter C, Houot M, Mere M *et al.* (2023) Cognitive effect of antiepileptic medications in medial temporal lobe epilepsy. *Eur J Neurol.* 30:3692–3702
- Dustman RE & Beck EC (1969) The effects of maturation and aging on the wave form of visually evoked potentials. *Eeg Clin Neurophysiol* 26:2–11
- Duyckaerts C, Derouesne C, Signoret JL *et al.* (1985) Bilateral and limited amygdalohippocampal lesions causing a pure amnesic syndrome. *Ann Neurol* 18:314–19
- Dyck MJ, Ferguson K & Shochet IM (2001) Do autism spectrum disorders differ from each other and from non-spectrum disorders on emotion recognition? *Eur J Child Adolesc Psychiat* 10:105–16
- Dyken P & Krawiecki N (1983) Neurodegenerative diseases of infancy and childhood. *Ann Neurol* 13:351–64
- Dykens EM, Leckman JF & Cassidy SB (1996) Obsessions and compulsions in Prader-Willi syndrome. *JCPP* 37:995–1002
- Dykman RA, Ackerman PT, Clements SD *et al.* (1971) Specific learning disabilities: an attentional deficit syndrome. In: H Myklebust (ed) *Progress in learning disabilities, vol 2.* Grune and Stratton, New York pp 56–93
- Dzhala V, Ben-Ari Y & Khazipov R (2000) Seizures accelerate anoxia-induced neuronal death in the neonatal rat hippocampus. *Ann Neurol* 48:632–40
- Dzieciol AM, Bachevalier J, Saleem KS *et al.* (2017) Hippocampal and diencephalic pathology in developmental amnesia. *Cortex* 86:33–44
- E**
- Eadie P, Morgan A, Ukoumunne OC *et al.* (2015) Speech sound disorder at 4 years: prevalence, comorbidities, and predictors in a community cohort of children. *DMCN* 57:578–84
- Easterbrook MA, Kisilevsky BS, Muir DW *et al.* (1999) Newborns discriminate schematic faces from scrambled faces. *Can J Exp Psychol* 53:231–41
- Ebaugh FB (1923) Neuropsychiatric sequelae of acute epidemic encephalitis. *Am J Dis Child* 25:89–92
- Ebisch SJ, Salone A, Ferri F *et al.* (2012) Out of touch with reality? Social perception in first-episode schizophrenia. *Soc Cogn Affect Neurosci* 8:394–403
- Ebisch SJ & Gallese V (2015) A neuroscientific perspective on the nature of altered self-other relationships in schizophrenia. *J Consciousness Studies*, 22: 220–40
- Eckert MA, Leonard ChrM, Todd L *et al.* (2003) Anatomical correlates of dyslexia: Frontal and cerebellar findings. *Brain* 126:482–94
- Ecury-Goossen GM, Van der Haer M, Smit LS *et al.* (2015) Neurodevelopmental outcome after neonatal perforator stroke. *DMCN* 58:49–56
- Edelbrock C, Costello AJ & Kessler MD (1984) Empirical corroboration of attention deficit disorder. *JAACP* 23:285–90
- Edelman GM (1983) Cell adhesion molecules. *Sci* 219:450–7
- Edelman GM (1991) *Klare lucht, louter vuur.* Bert Bakker, Amsterdam, pp 330
- Edwards T, Sherr E, Barkovich A, *et al.* (2014) Clinical, genetic and imaging findings identify new causes for corpus callosum development syndromes. *Brain* 137:1579–613
- Edwards TJ, Marsh APL, Lockhart PJ, *et al.* (2018) Teaching Neuroimages: Imaging features of DCC-mediated mirror movements and isolated agensis of the corpus callosum. *Neurol* 91:e886–7.
- Efron R (1963) Temporal perception, aphasia and déjà vu. *Brain* 86:403–24
- Efron R (1990) *The decline and fall of hemispheric specialization.* Lawrence Erlbaum, Hillsdale
- Egaas B, Courchesne E & Saitoh O (1995) Reduced size of the corpus callosum in autism. *Arch Neurol* 52:794–801
- Eggermont JJ & Salamy A (1988) Maturational time course for the ABR in preterm and full term infants. *Hearing Res* 33:35–48
- Eggers Ch (1984) Neuropsychologie und Verhaltensbiologie. *Acta Paedopsychiat* 50:75–77
- Egli M & Graf I (1974) Ueber den Nutzen einer antikonvulsiven Behandlung bei verhaltensgestörten Kindern mit bioelektrischer Epilepsie; eine katamnestische Studie über 76 Fälle. *Acta Paedopsychiatr (Basel)* 41:54–69
- Efron R (1963) Temporal perception, aphasia and déjà vu. *Brain* 86:403–24
- Efron R (1990) *The decline and fall of hemispheric specialization.* Lawrence Erlbaum, Hillsdale NJ
- Ehlers S & Gillberg C (1993) The epidemiology of Asperger syndrome. A total population study. *J of Child Psychol and Psychiat* 34:1327–1350
- Ehrsson HH (2012) The Concept of Body Ownership and Its Relation to Multisensory Integration. in: DE Stein (ed) *The New Handbook of Multisensory Processes.* pp. 775–92. MA: MIT Press (Cambridge)
- Eichenlaub JB, Jarsiewicz B, Saab J *et al.* (2020) Replay of Learned Neural Firing Sequences during Rest in Human Motor Cortex" *CellReports* 31:article 107581
- Eichner C, Berger Ph, Klein CC *et al.* (2024) Lateralization of dorsal fiber tract targeting Broca's area concurs with language skills during development. *Progr Neurobiol* 236:102602
- Eimas PD (1985) The perception of speech in early infancy. *Sci Am* 252:34–40
- Einspieler C & Prechtl HFR (2005) Prechtl's assessment of general movements: A diagnostic tool for the functional assessment of the young nervous system. *MRDD Res Reviews.* 11: 61–7
- Eisenberger NI (2012) The pain of social disconnection: examining the shared neural underpinnings of physical and social pain. *Nat Rev Neurosci* 13:421–34
- Eisenson J (1968) Developmental aphasia (dyslogia): A postulation of a unitary concept of the disorder. *Cortex* 3:184–200
- Ejiri K & Masataka N (2001) Co-occurrence of preverbal vocal behavior and motor action in early infancy. *Dev Sci* 4:40–8
- Ek U, Fernell E, Jacobson L *et al.* (1998) Relation between blindness due to retinopathy of prematurity and autistic spectrum disorders: A population-based study. *DMCN* 40:297–301
- Eken P (1996) *Cerebral visual impairment in infants with haemorrhagic-ischaemic lesions of the neonatal brain.* Thesis, Rijksuniversiteit Utrecht
- Ekman P & Friesen WV (1969) The repertoire of nonverbal communication: Categories, origins, usage, and coding. *Semiotica*, 1, 49-98
- Ekman P, Friesen WV & Ellsworth P (1972) *Emotion in the human face: guidelines for re-*

- search and an integration of findings. New York: Pergamon Press
- El Abd S, Turk J & Hill P (1995) Annotation: Psychological characteristics of Turner syndrome. *JCPP* 36:1109–25
- Elberger AJ (1984) The existence of a separate, brief critical period for the corpus callosum to affect visual development. *Beh Brain Res* 11:223–31
- Elbers LH (1990) 'Input' of 'intake'? Het belang van taalproductie voor taalperceptie. *Van horen zeggen* 31:57–61
- Elburg RM van & Douwes AC (1991) Voedse-ladditiva en hyperactief gedrag bij kinderen. *Ned T Geneesk* 135:60–3
- Eldreth DA, Patterson MD, Porcelli AJ, *et al.* (2006) Evidence for multiple manipulation processes in prefrontal cortex. *Brain Res* 1123:145–56
- Elen E (2004) Ontwikkeling van het fonologisch bewustzijn bij kinderen (3;0 - 10;0). *Stem, Spraak Taalpathol* 12:6–34
- Elia M, Ferri R, Musumeci A *et al.* (2000) Sleep in subjects with autistic disorder: A neuro-physiological and psychological study. *Brain Dev* 22:88–92
- Eliez S *et al.* (2001) Functional brain imaging study of mathematical reasoning abilities in velocardiofacial syndrome (del22q11.2). *Genet Med* 1:49–55
- Eling P (1983) Comparing different measures of laterality: Do they relate to a single mechanism? *J Clin Neuropsych* 5:135–49
- Eling P (2007) Nee tegen NLD. *De psycholoog* 42:483–7
- Elkind D (1977) Perceptual development in children. In: Janis IL (ed) *Current trends in psychology*. Kaufmann, Los Altos, California, pp 121–29
- Ellenrieder, N., Gotman, J., Zelmann, R., *et al.* (2019). How the human brain sleeps: Direct cortical recordings of normal brain activity. *Ann Neurol* 87:2
- Elliott DE & Needleman RM (1976) The syndrome of hyperlexia. *Brain and Lang* 3:339–49
- Elliott JG & Grigorenko EL (2014) *The Dyslexia Debate*. Durnham Univ, Durnham
- Ellis HD & Lewis MB (2001) Capgras delusion: a window on face recognition. *Trends Cognit Sci* 5:149–156
- Ellis ML (2008) *Time in Practice*. 'Analytical perspectives on the times of our lives'. Karnac Books, London
- Ellison PH, Bloch Petersen M, Gorman WA *et al.* (1992) A comparison of neurological assessment scores from two cohorts of low-birthweight children evaluated at age four years: Dublin and Copenhagen. *Neuropediatr* 23:68–71
- Elman JL, Bates EA, Johnson MH *et al.* (1996) *Rethinking innateness: A connectionist perspective on development*. MIT Press, Cambridge, MA
- Eltokhi A, Janmaat IE, Genedi M *et al.* (2020) Dysregulation of synaptic pruning as a possible link between intestinal microbiota dysbiosis and neuropsychiatric disorders. *J Neurosci Res* 98:1335–69
- Embrechts M, Kieboom M, Notten M *et al.* (2019) Te zot voor woorden...? taal en communicatie bij kinderen en jongeren in de GGZ. *Kind Adole Prakt* 2:6–13
- Engel J, Caldecott-Hazard S & Bandler R (1986) Neurobiology of behavior: Anatomic and physiological implications related to epilepsy. *Epilepsia* 27:3–13
- Engelen A (1993) *Time perception in children between 5 and 12 years of age*. Thesis in Dutch language (Licentiaatsverhandeling KU Leuven)
- Engelen T, Solcà M & Tallon-Baudry C (2023) Interoceptive rhythms in the brain. *Nat Neurosci* 26:1670–84
- Engelenburg HJ, Lucassen PJ, Sarafian JT *et al.* (2022) Multiple sclerosis and the microbiota: Progress in understanding the contribution of the gut microbiome to disease. *Evol Med Public Health*. 10:277–94
- Engelhardt LE, Briley DA, Mann FD *et al.* (2015) Genes Unite Executive Functions in Childhood. *Psychol Sci* 26:1151–63
- Engelien A, Silbersweig D, Stern E *et al.* (1995) The functional anatomy of recovery from auditory agnosia. A PET study of sound categorization in a neurological patient and normal controls. *Brain* 118:1395–409
- Engerström IW (1990) Rett syndrome in Sweden. *Acta Paed Scand Suppl* 369:1–60
- Ens-Dokkum M, Schreuder A & Veen S (1993) Outcome at five years of age in very preterm and very low birth-weight infants in The Netherlands. *Neonatal* 2:1–6
- Entus AK (1977) Hemispheric asymmetry in processing of dichotically presented speech and nonspeech stimuli by infants. In: Segalowitz & Gruber *Language development and neurological theory*.
- Epelman M, Daneman A, Halliday W *et al.* (2012) Abnormal corpus callosum in neonates after hypoxic-ischemic injury. *Pediatr Radiol* 42:321–30
- Epigenetica (2022) Sighting Biowetenschappen en Maatschappij. Cahier 2
- Epstein HT (1986) Stages in human brain development. *Dev Brain Res* 30:114–19
- Erhan H, Borod JC, Tenke CE & Bruder GE (1998) Identification of emotion in a dichotic listening task: Event-related brain potential and behavioral findings. *Brain Cogn* 37:286–307
- Erickson GR & Chun RWM (1987) Acquired paroxysmal movement disorders. *Pediatr neurol* 3:226–9
- Erickson K, Baron IS & Fantic BD (2001) Neuropsychological functioning in early hydrocephalus: review from a developmental perspective. *Child Neuropsychol* 7:199–229
- Erickson RL, Paul LK, Brown WS (2014) Verbal learning and memory in agenesis of the corpus callosum. *Neuropsychol* 60:121–30
- Eriksson K, Kylliäinen A, Hirvonen K *et al.* (2003) Visual agnosia in a child with non-lesional occipito-temporal CSWS. *Brain Dev* 25:262–7
- Errante A, Gerbella M, Mingolla GP *et al.* (2023) Activation of Cerebellum, Basal Ganglia and Thalamus During Observation and Execution of Mouth, hand, and foot Actions. *Brain Topogr* 36:476–99
- Errante A, Rossi Sebastiano A, Castellani N (2024) Body representation constraints in human and non-human primates behavior. *Cortex* 4027
- Errante A, Ziccarelli S, Mingolla G *et al.* (2021) Grasping and Manipulation: Neural Bases and Anatomical Circuitry in Humans. *Neurosci*, 458:203–12
- Ersahin Y, Yazarbas U, Duman Y *et al.* (2002) Single photon emission tomography following posterior fossa surgery in patients with and without mutism. *Childs Nerv System* 18:318–25
- Escelsior A, Amadeo MB, Inuggi A *et al.* (2025) Time perception in bipolar disorder: a systematic review. *Acta Neuropsychiatr*. Jan 23;37:e5
- Esfahani-Bayer NE, Finke C, Braun M *et al.* (2016) Visuo-spatial memory deficits following medial temporal lobe damage: A comparison of three patient groups. *Neuropsychol* 81:168–79
- Eslinger PJ & Biddle KR (2000) Adolescent neuropsychological development after early right prefrontal cortex damage. *Dev Neuropsychol* 18:297–329
- Eslinger PJ, Biddle K, Pennington B and *et al.* (1999) Cognitive and behavioral development up to 4 years after early right frontal lobe lesion. *Dev Neuropsychol* 15:157–91
- Eslinger PJ & Damasio AR (1985) Severe disturbance of higher cognition after bilateral frontal lobe ablation: Patient EVR. *Neurol* 35:1731–41
- Eslinger PJ & Grattan LM (1993) Frontal lobe and frontal-striatal substrates for different forms of human cognitive flexibility. *Neuropsychol* 31:17–28
- Esscher E, Flodmark O, Hagberg G *et al.* (1996) Non-progressive ataxia: Origins, brain pathology and impairments in 78 swedish children. *DMCN* 38:285–96
- Etaugh C & Levy RB (1981) Hemispheric specialization for tactile-spatial processing in pre-school children. *Percept Mot Skills* 53:621–2
- Etches PhC, Chir B, Ward ThF *et al.* (1987) Outcome of shunted posthemorrhagic hydrocephalus in premature infants. *Pediatr Neurol* 3:136–40
- Etcoff NL (1984) Selective attention to facial identity and facial emotion. *Neuropsychologia* 22:281–295
- Ettlinger G (1977) Agenesis of the corpus callosum. In: PJ Vinken and GW Bruyn (eds) *Handbook of clinical neurology, vol 30: Congenital malformations of the brain and skull, part i*. North Holland Publishing Co, Amsterdam, pp 285–98
- Evans GW & English K (2002) The Environment of Poverty: Multiple Stressor Exposure, Psychophysiological Stress, and Socioemotional Adjustment Child Dev 73:1238–48
- Everaert E, Boerma T, Seltén I *et al.* (2023) Nonverbal Executive Functioning in Relation to Vocabulary and Morphosyntax in Preschool Children With and Without Developmental Language Disorder. *J Speech Lang Hear Res*. 66:3954–73

- Eyler LT, Pierce K & Courchesne E (2012) A failure of left temporal cortex to specialize for language is an early emerging and fundamental property of autism. *Brain* 135:949–60
- Eyre O, Langley K, Stringaris A *et al.* (2017). Irritability in ADHD: Associations with depression liability. *J Aff Dis.* 215:281–7
- F**
- Fabbro F, Libera L & Tavano A (2002) A callosal transfer deficit in children with developmental language disorder. *Neuropsychol* 40:1541–6
- Fabbro F, Pesenti S, Bonanomi M *et al.* (2001) Callosal transfer in different subtypes of developmental dyslexia. *Cortex* 37:65–73
- Fabri M, Polonara G, Quattrini A *et al.* (1999) Role of the corpus callosum in the somatosensory activation of the ipsilateral cerebral cortex: An fMRI study of callosotomized patients. *Eur J Neurosci* 11:3983–94
- Fabri M, Polonara G, Del Pesce M *et al.* (2001) Posterior corpus callosum and interhemispheric transfer of somatosensory information: An fMRI and neuropsychological study of a partiëlely callosotomized patient. *J Cogn Neurosci* 13:1071–79
- Facoetti A, Lorusso ML, Paganoni P *et al.* (2003) Auditory and visual automatic attention deficits in developmental dyslexia. *Cognit Brain Res* 16:185–91
- Facoetti A & Molteni M (2001) The gradient of visual attention in developmental dyslexia. *Neuropsychologia* 39:352–7
- Facoetti A, Paganoni P, Turatto M *et al.* (2000) Visual-spatial attention in developmental dyslexia. *Cortex* 36:109–23
- Facoetti A & Turatto M (2000) Asymmetrical visual fields distribution of attention in dyslexic children: a neuropsychological study. *Neurosci Letters* 290:216–18
- Fadiga L, Craighero L, Buccino G & Rizzolatti G (2002) Speech listening specifically modulates the excitability of tongue muscles: a TMS study. *Eur J Neurosci* 15:399–402
- Fadiga L, Craighero L & Roy A (2005) Broca's Region: a speech area? In: Grodzinsky Y & Amunts K (eds) *Broca's Region*. Oxford Un. Press, New York, pp 137–52
- Faerber EN (1986) *Cranial computed tomography in infants and children*. Clin Dev Med 93, Blackwell, Oxford
- Fagan JF, Fantz RL & Miranda SB (1971) *Infants' attention to novel stimuli as a function of postnatal en conceptual age*. Paper presented at the meeting of the Society for Research in Child Dev, Minneapolis.
- Fagan JF & Singer LT (1982) Infant recognition memory as a measure of intelligence. In: Lipsitt LP (ed) *Advances in infancy research* 2. Norwalk, NJ: Ablex, pp 31–78
- Fagard J (1999) *Développement des habiletés bimanuelles et latéralisation*. Thesis, Un Paris V – René Descartes
- Fagard J (2001) *Le développement des habiletés de l'enfant. Coordination bimanuelle et latéralité*. Paris: CNRS Éditions
- Fagard J (2006) Normal and Abnormal Early Development of Handedness: Introduction. *Dev Psychobiol* 48:413–17
- Fagard J & Corroyer D (2003) Using a continuous index of laterality to determine how lateral-
- ity is related to interhemispheric transfer and bimanual coordination in children. *Dev Psychobiol* 43:44–56
- Fagot J & Bard KA (1995) Asymmetric grasping response in neonate chimpanzees (pan troglodytes). *Inf Beh Dev* 18:253–55
- Fagard J & Jacquet A-Y (1989) Onset of bimanual coordination and symmetry versus asymmetry of movement. *Inf Behav Dev* 12:229–35
- Fagard J, Sirri L & Rämä P (2014) Effect of handedness on the occurrence of semantic N400 priming effect in 18- and 24-month-old children. *Front Psychol* 5:355–63
- Fagard J, Spelke E & von Hofsten C (2009) Reaching and grasping a moving object in 6-, 8-, and 10-month-old infants: laterality and performance. *Infant Beh & Dev* 32:137–46
- Fahrenhorst NH (2019) Identiteit: over een veranderend zelf na hersenletsel. In: Vandermeulen JAM *et al.* eds, *De rol van neuropsychologie bij psychotherapie. Praktische toepassingen voor de klinische praktijk*. BSL, Houten
- Fair DA, Cohen AL, Dosenbach NUF *et al.* (2008) The maturing architecture of the brain's default network. *Proc Nat Ac Sci USA* 105:4028–32
- Fair DA, Cohen AL, Power JD *et al.* (2009) Functional brain networks develop from a "local to distributed" organization. *PLoS Comput*, 5:e1000381
- Falck-Ytter T, Nyström P, Gredebäck G *et al.* (2018) Reduced orienting to audiovisual synchrony in infancy predicts autism diagnosis at 3 years of age. *JCPP* 59:872–80
- Fantasia V, Markova G, Fasulo A *et al.* (2016) Not Just Being Lifted: Infants are Sensitive to Delay During a Pick-Up Routine. *Front Psychol* 6:2065
- Farah MJ (1989) The neural basis of mental imagery. *TINS* 12:395–9
- Farah MJ (1990) *Visual agnosia*. MIT Press, Cambridge, Massachusetts, pp 184
- Faraone SV, Asherson P, Banaschewski T *et al.* (2015). Attention-deficit/hyperactivity disorder. *Nature Reviews Disease Primers*, 1:15020
- Faraone SV, Banaschewski T, Coghill D *et al.* (2021) The world Federation of ADHD International Consensus Statement: 208 Evidence-based conclusions about the disorder *Neurosci Biobehav Rev* 128:789–818
- Faraone SV, Biederman J, Wozniak J (2012) Examining the Comorbidity Between Attention Deficit Hyperactivity Disorder and Bipolar I Disorder: A Meta-Analysis of Family Genetic Studies. *Am J Psychiat*;169:1256–166
- Farber D & Knyazeva M Electrophysiological correlates of interhemispheric interaction in ontogenesis In: G Ramaekers and C Njiokiktjien (Eds 1991) *Pediatric behavioural Neurology, vol 3. The child's corpus callosum*. Suyi Publ, Amsterdam, pp 86–99
- Farber D & Njiokiktjien C (Eds, 1993) *Pediatric behavioural Neurology, vol 4. Developing Brain and Cognition*. Suyi Publ, Amsterdam, pp 228
- Faria I, Diniz A & Barreiros J (2017) Manual asymmetries in bimanual isochronous tapping tasks in children. *Acta Psychol* 172:41–8
- Farmer TW (ed 1983) *Paediatric neurology, 3rd ed*. Harper and Row, Philadelphia
- Farrer & Frith (2002) Experiencing oneself vs another person as being the cause of an action: the neural correlates of the experience of agency. *Neuroimage* 15:596–603
- Farrer C, Franck N, Georgieff N *et al.* (2003) Modulating the experience of agency: A positron emission tomography study. *Neuro-Image* 18:324–333
- Fastenau Ph, Conant LL & Lauer RE (1998) Working memory in young children: Evidence for modality-specificity and implications for cerebral reorganization in early childhood. *Neuropsychol* 36:643–52
- Fasotti *et al.* (2022) Van kleuter tot volwassene met een TOS: talige, cognitieve en sociaal-emotionele ontwikkeling. *Poster Symposium VKL*, 19 maart
- Fast F (1970) *De taal van het lichaam*. Amsterdam: Wetenschappelijke Uitg isbn 9021427257
- Fattal-Valevski A, Kramer U, Leitner Y *et al.* (1999) Characterization and comparison of autistic subgroups: 10 years' experience with autistic children. *DMCN* 41:21–25
- Fattal-Valevski A, Leitner Y, Kutai M *et al.* (1999) Neurodevelopmental outcome in children with intrauterine growth retardation: a 3-year follow-up. *J Child Neurol* 14:724–27
- Fava NM, Meldrum RC, Villar MG *et al.* (2023) Adverse childhood experiences, sleep problems, low self-control, and adolescent delinquency: A longitudinal serial mediation analysis. *Dev Psychopathol*. 35:1868–77
- Fawcett AJ & Nicolson RI (1999) Performance of dyslexic children on cerebellar and cognitive tests. *J Mot Behav* 31:68–78
- Fazio BB (1999) Arithmetic calculation, short-term memory, and language performance in children with specific language impairment: A 5-year follow-up. *J Speech Lang Hearing Res* 42:420–31
- Fazzi E, Orcesi S, Telesca C *et al.* (1997) Neurodevelopmental outcome in very low birth weight infants at 24 months and 5 to 7 years of age: changing diagnosis. *Pediatr Neurol* 17:240–8
- Fedio P & van Buren JM (1974) Memory deficits during electrical stimulation of the speech cortex in conscious man. *Brain Lang* 1:29–42
- Fedio P & van Buren (1975) Memory and perceptual deficits during electrical stimulation in the left and right thalamus and parietal subcortex. *Brain Lang* 2:78–100
- Fedrizzi E, Anderloni A, Bono R *et al.* (1998) Eye-movement disorders and visual-perceptual impairment in diplegic children born preterm: A clinical evaluation. *DMCN* 40:682–8
- Feenders G, Liedvogel M, Rivas M *et al.* (2008) Molecular mapping of movement-associated areas in the avian brain: A motor theory for vocal learning origin. *PLoS ONE*, 3:31768
- Feher M, Daddaff R & Tazi N (1989) *Fragments for a History of the Human Body*. Part Three
- Feinberg TE & Farah MJ (1997) *Behavioral neurology and neuropsychology*. McGraw-Hill, New York, pp 873

- Feinberg TE & Farah MJ (1997) *Behavioral neurology and neuropsychology*. McGraw-Hill, New York, pp 873
- Feinburg TE & Keenan JP (2005) Where in the brain is the self? *Conscious Cogn* 14:671–8
- Feinburg TE & Keenan JP (2005) *The lost self. Pathologies of the brain and identity*. New York: Oxford Un Press
- Feikema W (1994) *Kinderneurologie is de perifere praktijk*. Nascholing kinderneurologie. Voordracht 22 April
- Feldman Barrett L, Mesquita B & Gendron M (2011) Context in Emotion Perception. *Current Directions Psychol Sci*, 20:286–90
- Feldman R (2007) Parent–Infant Synchrony. Biological Foundations and Developmental Outcomes. *Curr directions in psychological Sci* 6:340–45
- Feldman R (2015) Sensitive periods in human social development: New insights from research on oxytocin, synchrony, and high-risk parenting. *Devel & Psychopathol* 27:369–95
- Feldman R, Gordon I, Schneiderman I *et al.* (2010) Natural variations in maternal and paternal care are associated with systematic changes in oxytocin following parent–infant contact. *Psychoneuroendocrin* 35:1133–41
- Feldman R, Singer M & Zagoory O (2010) Touch attenuates infants' physiological reactivity to stress. *Dev Sci* 13: 271–8
- Felician O, Anton JL, Nazarian B *et al.* (2009) Where is your shoulder? Neural correlates of localizing others' body parts. *Neuropsychol* 47:1909–16
- Felician O, Ceccaldi M, Didic M *et al.* (2003). Pointing to body parts: a double dissociation study. *Neuropsychol* 41:1307–16
- Felton RH, Wood FB, Brown IS *et al.* (1987) Separate verbal memory and naming deficits in attention deficit disorder and reading disability. *Brain Lang* 31:171–84
- Fennell EB & Dikel ThN (2001) Cognitive and neuropsychological functioning in children with cerebral palsy. *J Child Neurol* 16:58–63
- Fenoglio KA, Brunson KL & Baram TZ (2006) Hippocampal neuroplasticity induced by early-life stress: functional and molecular aspects. *Front Neuroendocrin* 27:180–92
- Ferbert A, Priori A, Rothwell JC *et al.* (1992) Interhemispheric inhibition of the human motor cortex. *J Physiol* 453:525–46
- Ferjan Ramirez N, Weiss Y, Sheth *et al.* (2023) Parentese in infancy predicts 5-year language complexity and conversational turns. *J child lang*, 51:359–84
- Fernandez-Mendoza J, Li Y, Fang J *et al.* (2019) Childhood high-frequency EEG activity during sleep is associated with incident insomnia symptoms in adolescence. *JCPP* 60:742–51
- Fernihough C (2016) *In jezelf praten. Over het nut van stemmen in ons*. Amsterdam: Atlas–Contact
- Ferpozzi V, Fornia L, Montagna M *et al.* (2018) Broca's Area as a Pre-articulatory *Phonetic* Encoder: Gating the Motor Program. *Front Hum Neurosci*. 12:64
- Ferrara P, Ruiz R, Corsello G *et al.* (2022) Adequate training and multidisciplinary support may assist pediatricians in properly handling and managing gender incongruence and dysphoria. *J Pediatr*. 249:121–3
- Ferrari F (2004) *Prechtl's method on the qualitative assessment of general movements in preterm, term and young infants*. ISBN: 9781898683629
- Ferbert A, Priori A, Rothwell JC *et al.* (1992) Interhemispheric inhibition of the human motor cortex. *J Physiol* 453:525–46
- Ferrer I, Soriano E, Del Rio JA *et al.* (1992) Cell death and removal in the cerebral cortex during development. *Progress Neurobiol* 39:1–43
- Ferri F, Frassinetti F, Mastrangelo F *et al.* (2012) Bodily self and schizophrenia: The loss of implicit self-body knowledge. *Consc Cogn*. 21:1365–74
- Ferri F, Frassinetti F, Ardizzi M *et al.* (2012) A Sensorimotor Network for the Bodily Self. *J Cogn Neurosci* 24:1584–95
- Ferri F, Costantini M, Salone A *et al.* (2014) Binding Action and Emotion in First-Episode Schizophrenia. *Psychopathol*. 47:394–407
- Ferrier LJ, Bashir AS, Meryash DL *et al.* (1991) Conversational skills of individuals with fragile-X syndrome: A comparison with autism and Down syndrome. *DMCN* 33:776–88
- Ferris CF & Grissq T (1996) Understanding aggressive behavior in children. *Ann NYAS* vol 794
- Ferris GS & Dorsen MM (1975) Agenesis of the corpus callosum i. Neuropsychological studies. *Cortex* 2:95–122
- Ferro JM, Bravo–Marques JM, Castro–Caldas A *et al.* (1983) Crossed optic ataxia: Possible role of the dorsal splenium. *J Neurol Neurosurg Psychiat* 46:533–39
- Ferroni F, Arcuri E, Ardizzi M *et al.* (2024) Lost in time and space? Multisensory processing of peripersonal space and time perception in people with frequent experiences of depersonalisation. *Q J Exp Psychol* (Hove) June.
- Ferroni F, Ardizzi M, Magnani F *et al.* (2022) Tool-use Extends Peripersonal Space Boundaries in Schizophrenic Patients. *Schizophr Bull* 48:1085–93
- Ferroni F & Gallese V (2023) SOCIAL BODILY SELF Conceptual and psychopathological considerations. In AJT Alsmith & MR Longo (eds) *THE ROUTLEDGE HANDBOOK OF BODILY AWARENESS*. London & New York: Routledge
- Feusner JD, Dervisic J, Kosidou K *et al.* (2015) Female-to-male transsexual individuals demonstrate different own body identification. *Arch Sex Behav*. 45:525–36
- Field TM, Cohen D, Garcia R *et al.* (1985) Mother–stranger face discrimination by the newborn. In: S Chess and A Thomas (eds) *Annual progress in child psychiatry and child development*. Brunner/Mazel, New York, pp 1–10
- Feyereisen P & de Lannoy J–D (eds. 1985) *Psychologie du geste*. Mardaga, Bruxelles, pp 364
- Fiez JA, Raife EA, Balota DA *et al.* (1996) A positron emission tomography study of the short-term maintenance of verbal information. *J Neurosci* 16:808–22
- Filipek PA (1999) Neuroimaging in the developmental disorders: The state of the science [Review]. *JCPP* 40:113–28
- Filipek PA, Accardo PJ, Ashwal S *et al.* (2000) Practice parameter: Screening and diagnosis of autism. *Neurol*. 55:468–79
- Filipek PA, Semrud–Clikeman M, Steingard RJ *et al.* (1997) Volumetric mri analysis comparing subjects having attention–deficit hyperactivity disorder with normal controls. *Neuro* 48:589–601
- Filippetti ML, Johnson MH, Lloyd-Fox S *et al.* (2013) Body perception in newborns. *Curr Biol* 23:241316
- Filippetti ML, Johnson MH, Longo MR *et al.* (2014) Neural mechanisms of body awareness in infants. *Cer Cortex* 25:3779–87
- Finch AJ, Nicolson RI, Fawcett AJ *et al.* (2002) Evidence for a neuroanatomical difference within the olivo–cerebellar pathway of adults with dyslexia. *Cortex* 38:529–39
- Findling RL, Adler LA, Spencer TJ (2019) Dextroamphetamine in Children With Attention-Deficit/Hyperactivity Disorder: A Six-Week, Placebo-Controlled, Fixed-Dose Trial. *J Child Adolesc Psychopharmacol*. 29:80–9
- Fine C, Lumsden J & Blair RJR (2001) Dissociation between 'theory of mind' and executive functions in a patient with early left amygdala damage. *Brain* 124:287–98
- Fine JG, Musielak KA & Semrud–Clikeman M (2014) Smaller splenium in children with non-verbal learning disability compared to controls, high-functioning autism and ADHD. *Child Neuropsychol* 20: 641–61.
- Fine J, Semrud–Clikeman M, Bledsoe J *et al.* (2013) A critical review of the NLD literature as a developmental disorder. *Child neuropsychol* 19:190–223
- Finegan J–A K, Cole TRP, Kingwell E, *et al.* (1994) Language and behavior in children with Sotos syndrome. *JAACAP* 33:1307–15
- Finger & Almlí CR (1985) Brain Damage and Neuroplasticity: Mechanisms of Recovery or Development? *Brain Res Rev* 10:177–86
- Finger & Almlí CR (eds 1984) *Early Brain Damage. vol I Research orientations and clinical observations*. Ac Press Inc, New York
- Fink A, Rominger C, Benedek M *et al.* (2018) EEG alpha activity during imagining creative moves in soccer decisionmaking situations. *Neuropsychol* 114:118–24
- Fink GR, Marshall JC, Halligan PW *et al.* (1999) The neural consequences of conflict between intention and the senses. *Brain* 122 :497–512
- Finke RA (1986) Mental Imagery and the Visual System. *Sci Am* 254:76–83
- Finker A & Knight RT (2018) Broca's area in comprehension and production, insights from intracranial studies in humans. *Curr Opin Behav Sci* 21:170–5
- Firouzi M, Baetens K, Duta C *et al.* (2024) The cerebellum is involved in implicit motor sequence learning. *Front. Neurosci*. 18:1433867
- Fish GS, Holden JJA, Carpenter NJ *et al.* (1999) Age-related language characteristics of children and adolescents with fragile x syndrome. *Am J Med Gen* 83:253–6

- Fisher CM (1956) Left hemiplegia and motor imperistence. *J Nerv Ment Dis* 123:201–18
- Fisher L, Ames EW, Chisholm K & Savoie L (1997) Problems reported by parents of Romanian orphans adopted to British Columbia. *Int J Behav Dev* 20:67–82
- Fisher SE (2005) Dissection of molecular mechanisms underlying speech and language disorders. *Appl Psycholing* 26:111–28
- Fisher SE, Vargha-Khadem F, Watkins KE *et al.* (1998) Localisation of a gene implicated in a severe speech and language disorder. *Nature Genet* 18:168–70
- Fisher S (2013). Building bridges between genes, brains, and language. In: Bolhuis JJ & Everaert M (eds) *Birdsong, speech, and language. Exploring the evolution of mind and brain*. The MIT Press
- Floria S, Andrea Guzzetta A, Mitra J *et al.* (2016) Neuroanatomical correlates of childhood apraxia of speech: A connectomic approach. *NeuroImage: Clin* 12:894–901
- Fitch TW & Mitchen D (2013) convergence and deep homology in the evolution of spoken language. In: Bolhuis JJ & Everaert M (eds) *Birdsong, speech, and language. Exploring the evolution of mind and brain*. The MIT Press, pp. 45–62
- Fitch RH, Miller S, Tallal P (1997) Neurobiology of speech perception. *Ann Rev Neurosci* 20:331–53
- Fivush R (1997) Event memory in early childhood. In: Cowan N (ed) *The development of memory in childhood*. Psychol Press Taylor & Francis, Hove East Sussex, UK, PP 139–161
- Flamand VH, Denis A, Allen-Demers F *et al.* (2018) Altered transcallosal inhibition evidenced by transcranial magnetic stimulation highlights neurophysiological consequences of premature birth in early adulthood. *J Neurol Sci* 393:18–23
- Flaugnacco E, Lopez L, Terribili C *et al.* (2015) Music training increases phonological awareness and reading skills in developmental dyslexia: A randomized control trial. *PLoS ONE* 10: e0138715
- Flaugnacco E, Lopez L, Terribili C *et al.* (2014) Rhythm perception and production predict reading abilities in developmental dyslexia. *Front Hum Neurosci* 8:392
- Flavell JH (1963) *The developmental psychology of Jean Piaget*. Van Nostrans Reinhold, New York
- Flehmig I & Stern I (eds, 1986) *Kindestentwicklung und Lernverhalten*. Fisher Verlag, Stuttgart
- Fletcher JM & Grigorenko EL (2017) Neuropsychology of learning disabilities: The past and the future. *J Int Neuropsychol Soc* 23:930–40
- Fletcher JM & Taylor HG (1984) Neuropsychological approaches to children: Towards a developmental neuropsychology. *J Clin Neuropsychol* 6:39–56
- Fletcher PC & Henson RNA (2001) Frontal lobes and human memory. Insights from functional neuroimaging. *Brain* 124:849–81
- Flinker A & Knight RT (2018) Broca's area in comprehension and production, insights from intracranial studies in humans. *Curr Opin Behav Sci* 21:170–175
- Flinker A, Korzeniewska A, Shestiyuk AY *et al.* (2015) Redefining the role of Broca's area in speech. *PNAS* 112:2871–5
- Flor-Henry P (1972) Ictal and interictal psychiatric manifestations in epilepsy: Specific or non-specific? *Epilepsia* 13:773–83
- Flores-Sarnat L (2002) Hemimegalencephaly. Part 1. Genetic, clinical, and imaging aspects. *J Child Neurol* 17:373–84
- Floris DL, Peng H, Warrier V *et al.* (2023) The Link Between Autism and Sex-Related Neuroanatomy, and Associated Cognition and Gene Expression. *Am J Psychiatr*. 180:50–64
- Flowers F (1975) Handedness and controlled movement. *Br J Psychol* 66:39–52
- Fodor JA (1983) *The Modularity of mind*. Cambridge, MA, Bradford Books
- Fogassi L, Gallese V, Buccino G *et al.* (2001) Cortical mechanisms for the visual guidance of hand grasping movements in the monkey. A reversible inactivation study. *Brain* 124:571–86
- Foix CH, Chavany JA & Marie J (1926) Diplegie facio-linguo-masticatrice d'origine cortico-sous-corticale sans paralysie des membres. *Rev Neurol* 33:214–9
- Folkerts JF & Njokiktjen CJ (1972) The influence of L-dopa on the postural position of Parkinson patients. *Agressologie* 13:19–2
- Folkerts JF, Kapteyn TS, Njokiktjen C & de Wit G (1973) Stabilometry; an objective approach to postural equilibrium during standing]. *NTvG* 117:1466–71
- Folstein SE & Mankoski RE (2000) Chromosome 7q: Where autism meets language disorder? *Am J Hum Genet* 67:278–81
- Foltys H, Sparing R, Boroojerdi B *et al.* (2001) Motor control in simple bimanual movements: a transcranial magnetic stimulation and reaction time study. *Clin Neurophysiol* 112:265–74
- Fonagy P (2001) *Attachment theory and psychoanalysis*. Other Press, New York
- Fonagy P & Target M (2005) *Frühe Bindung und psychische Entwicklung*. Gießen: Psycho-sozial-Verlag
- Fonagy P & Target M (2007) *TheThe* rooting of the mind in the body: new links between attachment theory and psychoanalytic thought. *JAPA* 55:411–55
- Fonagy P, Gergely G and Target M (2007) *TheThe* parent-infant dyad and the construction of the subjective self. *J Child Psychol Psychiatr* 48:288–328
- Fonagy P, Gergely G & Target M (2007) The parent-infant dyad and the construction of the subjective self. *J Child Psychol Psychiatr* 48:288–328
- Fonagy P, Gergely G, Jurist EL *et al.* (2002) *Affect regulation, mentalization and the development of the self*. New York: Other Press
- Fonagy P, Gergely G, Jurist EL & Target M (2006) *Affect Regulation, Mentalization, and the Development of Self*. New York: Other Press
- Fonseca Wald ELA, Hendriksen, JGM, Drenthen G *et al.* (2019) Towards a better understanding of cognitive deficits in absence epilepsy : a systematic review and meta-analysis. *Neuropsychol Rev* 29:421–49
- Fontana D & Evans H (1980) Mode of stimulus presentation and short-term memory efficiency in primary school children. *Br J Educat Psychol* 50:229–35
- Forbes L, Bento S & DeOliveira CA (2003) Classifying Mother-Toddler Attachment Relationships in the Interesting-but-scary Paradigm: Scoring System for Interactive Behaviour. *Psychol. Publ.*, Paper 2. <http://ir.lib.uwo.ca/psychologypub/2>
- Foran LG, Beverly BL, Shelley-Tremblay J (2023) Can gesture input support toddlers' fast mapping? *J Child Lang* 50:662–84
- Ford A, McGregor KM, Case K *et al.* (2010) Structural connectivity of Broca's area and medial frontal cortex. *Neuroimage* 52:1230–37
- Forrest MP, Parnell E & Penzes P (2018) Dendritic structural plasticity and neuropsychiatric disease. *Nat Rev Neurosci* 19:215–34
- Forssberg H (1994) Neural basis for development of human locomotion. In: Fedrizzi E, Acanzini G & Crenna P (eds) *Motor development in children*. London: J Libbey & Cy, pp. 79–84
- Foster-Cohen S, van Bysterveldt A, Papp V (2020) The Roles of Language Use and Vocabulary Size in the Emergence of Word-Combining in Children With Complex Neurodevelopmental Disabilities. *J Child Lang* 28:1–13
- Fotopoulou A & Tsakiris M (2017) Mentalizing homeostasis: The social origins of interoceptive inference. *Neuropsychanalysis*, 19: 3–28
- Foudraire J (1971) *Wie is van Hout. Een gang door de psychiatrie*. Baarn: Ambo
- Foulder-Hughes LA & Cooke RWI (2003) Motor, cognitive, and behavioural disorders in children born very preterm. *DMCN* 45:97–103
- Foundas AL, Leonard ChrM, Gilmore R *et al.* (1994) Planum temporale asymmetry and language dominance. *Neuropsychol* 32:1225–31
- Fox MA & Bell MA (1990) Electrophysiological indices of frontal lobe development. In: A Diamond (ed) *The Development and Neural Bases of higher Cognitive Functions*. *Annals NY Ac Sci* 608: 677–704
- Fox MD & Raichle ME (2007) Spontaneous fluctuations in brain activity observed with functional magnetic resonance imaging. *Nat Rev Neurosci* 8:700–11
- Fox NA, Zeytinoglu S, Valadez EA *et al.* (2023) Ann Res Rev: Developmental pathways linking early behavioral inhibition to later anxiety. *JCPP* 64:537–61
- Fox PT, Ingham RJ, Ingham JC *et al.* (2000) Brain correlates of stuttering and syllable production – A PET performance-correlation analysis. *Brain* 123:1985–2004
- Fraisse P (1974) *Psychologie du rythme*. PUF, Paris, 244 p
- Fraisse P (1967) *Psychologie du temps*. PUF, Paris, 360 p
- Fraisse P, Halberg F, Lejeune H *et al.* (1977) *Du temps biologique au temps psychologique*. PUF, Paris, 386 p
- Fraley RC & Spieker SJ (2003) Are infant attachment patterns continuously or categorically distributed? A taxometric analysis of strange situation behavior. *Dev Psychol* 39:387–404
- Francks C, MacPhie IL & Monaco AP (2002) The genetic basis of dyslexia. *Lancet Neurol* 1:483–90

- Francis S, Rolls ET, Bowtell R *et al.* (1999) The representation of pleasant touch in the brain and its relationship with taste and olfactory areas. *Neuroreport* 10: 453–59
- Franco F (2002) Infant pointing: linking attention, communication and social cognition. Conference abstract: Brain Development and cognition in human infants. Aquafredda di Maratea. p 14
- Franco F & Butterworth G (1996) Pointing and social awareness: Declaring and requesting in the second year. *J Child Language* 23:307–36
- Franco F, Suttora C, Spinelli M *et al.* (2022) Singing to infants matters: Early singing interactions affect musical preferences and facilitate vocabulary building. *J Child Lang.* 49:552–77
- Franco F & Wishart JG (1995) Use of pointing and other gestures by young children with Down syndrome. *Am J Mental Retard* 100:160–82
- Frank E (1987) The influence of neuronal activity on patterns of synaptic connections. *TINS* 10:188–90
- Frank Y & Pavlakis SG (2001) Brain imaging in neurobehavioral disorders. *Pediatr Neurol* 25:278–87
- Franken K (1998) *Sprekend een spelend kind. Deel II*. Utrecht, doctoraalonderzoek
- Franken MC (2000) Spraak- en Taalproblemen bij kinderen. Van Gorcum & Comp, Assen
- Frankenburg WK, Thornton SM, Cohrs ME (1986) *Entwicklungsdiagnostik bei Kindern*. Georg Thieme Verlag, Stuttgart
- Fransson P, Skjold B, Horsch S *et al.* (2007) Resting-state networks in the infant brain. *Proc Natl Acad Sci USA* 104:15531–36
- Frauscher B, MD, von Ellenrieder N, Zelmann R *et al.* (2018a) High-frequency oscillations in the normal human brain. *Ann Neurol* 84:374–85
- Frauscher B, von Ellenrieder N, Zelmann R *et al.* (2018b) Atlas of the normal intracranial electroencephalogram: neurophysiological awake activity in different cortical areas. *Brain* 141:1130–44
- Frayer DW, Lozano M, Bermúdez de Castro JM *et al.* (2012) More than 500,000 years of right-handedness in Europe. *Laterality* 17:51–69
- Frazier TW & Hardan AY (2009) A meta-analysis of the corpus callosum in autism. *Biol Psychiat* 66:935–41
- Frederiks JAM (1966) Het hyperkinetisch syndroom bij kinderen. *Ned T Geneesk* 110:422–27
- Fredrick JW, Cook TE, Langberg JM *et al.* (2023) Prospective association between evening circadian preference and academic functioning in adolescents: the role of daytime sleepiness. *JCPP* 64:175–84
- Freedberg D & Gallese V (2007) Motion, emotion and empathy in esthetic experience. *TCS* 11: 197–203
- Freeman JS, Cody FWJ & Schadu W (1993) The influence of external timing cues upon the rhythm of voluntary movements in Parkinson's disease. *J Neurol Neurosurg Psychiat.* 56:1078–84
- Freeman RD, Fast DK, Burd L *et al.* (2000) An international perspective on Tourette syndrome: Selected findings from 3500 individuals in 22 countries. *DMCN* 42:436–47
- Freedman M, Leach L, Kaplan E *et al.* (1993) *Clock drawing. A neuropsychological analysis*. Oxford Un Press, New York, pp 182
- French ChrC & Painter J (1991) Spatial processing of images and hemisphere function. *Cortex* 27:511–20
- French L & Kenndy EMM (2018) Ann Res Rev: Early intervention for infants and young children with, or at-risk of, autism spectrum disorder: a systematic review. *JCPP* 59:444–56
- French NP, Hagan R, Evans SF *et al.* (2004) Repeated antenatal corticosteroids: Effects on cerebral palsy and childhood behavior. *Am J Obstet Gynecol* 190:588–95
- Freud A (1973) *Normality and pathology in childhood*. The Hogarth Press and the Institute of Psycho-analysis, London
- Freud S (1891) *On Aphasia: A Critical Study*. New York: International Universities Press, 1953
- Freud S. (1895) *Project for a Scientific Psychology*. London: Hogarth Press
- Freud S (1905) *Three essays on the theory of sexuality*. Standard Edition 7
- Freud S (1914) *On narcissism: an introduction*. Standard Edition, 14
- Freud S (1915) *Instincts and their vicissitudes*. Standard Edition, 14
- Freud S (1923) *Das Ich und das Es*. Vienna: Int. Psycho-anal. Verlag, W. W. Norton & Company
- Freud S (1923) *Das Ich und das Es*. SA 3, pp 273–330 / Freud (2009) *Das Ich und das Es Metapsychologische Schriften*. Taschenbuch Verlag pp 191–249
- Freud S (ed.) *The Ego and the Id and Other Works. The Standard Edition of the Complete Psychological Works of Sigmund Freud*. XIX. Hogarth Press
- Freud S (1927) *The Ego and the Id*. London: Hogarth Press and Institute of Psycho-analysis. (1961) Revised for The standard edition of the complete psychological works of Sigmund Freud, ed. James Strachey. New York: W.W. Norton & Cy
- Freud S (1931) *Female sexuality*. Standard Edition, 7
- Freud S (1931) *Inhibitions, symptoms and anxiety*. Standard Edition, 22
- Freud S (1940) *An outline of psycho-analysis*. Standard Edition 23
- Freud S (1900), *The Interpretation of Dreams*. Standard Ed. 4 & 5 London: Hogarth Press, 1953
- Freund H-J & Hummelsheim H (1985) Lesions of the premotor cortex in man. *Brain* 108:697–733
- Fridman C, Varela MC, Kok F *et al.* (2000) Paternal UPD15: Further genetic and clinical studies in four Angelman syndrome patients. *Am J Med Gen* 92:322–27
- Fried PA & Watkinson B (2000) Visuoperceptual functioning differs in 9- to 12-year olds prenatally exposed to cigarettes and marihuana. *Neurotoxicol Teratol* 22:11–20
- Friederici AD, Brauer J & Lohmann G (2011) Maturation of the language network: from inter- to intrahemispheric connectivities. *PLoS One* 6:e20726
- Friedhoff AJ & Chase ThN (1982) *Gilles de la Tourette Syndrome*. Adv Neurol. Vol 35. Raven Press, New York
- Friedman MC, Chhabildas N, Budhiraja N *et al.* (2003) Etiology of the comorbidity between RD and ADHD: Exploration of the non-random mating hypothesis. *Am J Med Gen Part B, Neuropsych Gen* 120B:109–15
- Friedman RB & Albert ML (1985) Alexia. In: KM Heilman and E Valenstein (eds) *Clinical neuropsychology. 2nd Ed*. New York: Oxford Un Press, pp 49–68
- Friedman WJ (1990) About time; Inventing the fourth dimension. MIT Press, London, 147 p
- Friefeld S, MacGregor D, Chuang S *et al.* (2000) Comparative study of inter- and intrahemispheric somatosensory functions in children with partial and complete agenesis of the corpus callosum. *DMCN* 42:831–8
- Fries W & Swihart AA (1990) Disturbance of rhythm sense following right hemisphere damage. *Neuropsychol* 28:1317–23
- Friese SA, Bitzer M, Freudenstein D *et al.* (2000) Classification of acquired lesions of the corpus callosum with MRI. *Neuroradiol* 42:795–802
- Frijda NH (1993) *De emoties*. Bert Bakker, Amsterdam
- Frijda NH (2008) *De wetten der emoties*. Bert Bakker, Amsterdam
- Frijling-Schreuder ECM (1969) Borderline states in children. *Psychoanal Stud Child* 24:307–27
- Frisk V & Milner B (1990) The role of the left hippocampal region in the acquisition and retention of story content. *Neuropsychol* 28:349–59
- Friston KJ (2010) The free-energy principle: a unified brain theory? *Nature Rev Neurosci* 11:127–38
- Frith U (1980) Unexpected spelling problems. In Frith U (Ed) *Cognitive processes in spelling*. London: Academic Press
- Frith U (1986) A developmental framework for developmental dyslexia. *Ann dyslex* 36: 69–81
- Frith U (1989) *Autism: explaining the enigma*. Oxford: Blackwell.
- Frith U & Happé F (1994) Why specific developmental disorders are not specific: On-line and developmental effects in autism and dyslexia. *Dev Sci* 1:267–72
- Frith U & Happé F (1998) Why specific developmental disorders are not specific: On-line and developmental effects in autism and dyslexia. *Dev Sci* 1:267–72
- Frith CD & Frith U (1999) Interacting Minds—a Biological Basis. *Sci* 286:1682–95
- Frith U, Morton J & Leslie AM (1991) The cognitive basis of a biological disorder: autism. *TINS* 14:433–8
- Fröhlich M, Bartolotta N, Frys C *et al.* (2021) Multicomponent and multisensory communicative acts in orang-utans may serve different functions. *Commun Biol* 4:917
- Fromkin V, Krashen S, Curtiss S *et al.* (1974) The development of language in genie: A case of language acquisition beyond the “critical period.” *Brain & Lang* 1:81–107
- Frost GJ & Parkin JM (1986) A comparison between the neurological and intellectual ab-

normalities in children and adults with congenital hypothyroidism. *Eur J Pediatr* 145:480–4

Frost JA, Binder JR, Springer JA *et al.* (1999) Language processing is strongly left lateralized in both sexes. Evidence from functional MRI. *Brain* 122:199–208

Frumkin B & Rapin I (1980) Perception of vowels and consonant-vowels of varying duration in language impaired children. *Neuropsychol* 18:443–54

Fryer SL, Lawrence R, Frank LR *et al.* (2008) Microstructural integrity of the corpus callosum linked with neuropsychological performance in adolescents. *Brain Cogn* 67: 225–33

Fuchs T (2005) Corporealized and disembodied minds: A phenomenological view of the body in melancholia and schizophrenia. *Philos, Psychiatr Psychol*. 12:95–107

Fuchs T (2013) Zwischen Leib und Körper. in: Hähnel & Knaup, Hrsg.) *Leib und Leben. Perspektiven für eine neue Kultur der Körperlichkeit*. Darmstadt:WBG

Fuchs T (2018) Ecology of the Brain. *The Phenomenology and Biology of the Embodied Mind*. Oxford, Oxford: Oxford University Press

Fuhrmann D, Knoll LJ & Blakemore SJ (2015) Adolescence as a sensitive period of brain development. *Trends Cogn Sci* 19:558–66

Funato H, Miyoshi C & Yanagisawa M (2016) Forward- genetics analysis of sleep in randomly mutagenized mice. *Nature* 539:378–83

Funayama M, Nakagawa Y & Sunagawa K (2015) Visuospatial working memory is severely impaired in Bálint syndrome patients. *Cortex* 69:255–64

Fusaroli R, Weed E, Fein D *et al.* (2019) Hearing me hearing you: Reciprocal effects between child and parent language in autism and typical development. *Cognition* 183:1–18

Fuster JM (1980) *The prefrontal cortex. Anatomy, physiology, and neuropsychology of the frontal lobe*. Raven Press, New York

Fuster JM (1990) Prefrontal cortex and the bridging of temporal gaps in the perception-action cycle. In: A Diamond (ed) *The Development and Neural Bases of higher Cognitive Functions*. *Ann NY Acad Sci* 608:318–36

Fyfe ER, Matz LE & Hunt KM (2018) Mathematical thinking in children with developmental language disorder: The roles of pattern skills and verbal working memory. *J Commun Disord* 15:17–30

G

Gabbard C (1992) Associations between hand and foot preference in 3- to 5-year-olds. *Cortex* 28:497–502

Gable PA, Neal LB & Hunter Threadgill A (2018) Regulatory behavior and frontal activity: Considering the role of revised-BIS in relative right frontal asymmetry. *Psychophysiol* 55:1–18

Gabr M, Lüders H, Dinner D *et al.* (1989) Speech manifestations in lateralization of temporal lobe seizures. *Ann Neurol* 25:82–7

Gabriel RS & McComb JG (1985) Malformations of the central nervous system. In: JH Menkes (ed) (2011) *Child neurology*. Lea & Febiger, Philadelphia, pp 189–271

Gabrielli O, Bruni S, Coppa GV *et al.* (2002) White-matter alterations and callosal abnormalities in syndromic patients with mental retardation. *J Child Neurol* 17:164–8

Gabrielson J, Hard A-L, Ek U *et al.* (2002) Large variability in performance IQ associated with postnatal morbidity, and reduced verbal IQ among school-aged children born preterm. *Acta Paediatr* 91:1371–8

Gadde WH (1985) *Learning disabilities and brain function*. Springer, New York

Gadian DG, Aicardi J, Watkins KE *et al.* (2000) Developmental amnesia associated with early hypoxic-ischaemic injury. *Brain* 123:499–507

Gadsby S (2023) The Rationality of Eating Disorders. *Mind & Lang* . 38:732–49

Gaffan D, Parker A & Easton A (2001) Dense amnesia in the monkey after transection of fornix, amygdala and anterior temporal stem. *Neuropsychol* 39:51–70

Gaffney GR, Tsai LY, Kuperman S *et al.* (1987) Cerebellar structure in autism. *Am J Dis Child*. 141:1330–2

Gaffrey MS, Luby JL, Botteron K *et al.* (2012) Default mode network connectivity in children with a history of preschool onset depression. *JCPP Internet-Pubmed*

Gage FH & Björklund A (1986) Neural grafting in the aged rat brain. *Ann Rev Physiol* 48:447–59

Gaillard WD, Hertz-Pannier L, Mott SH *et al.* (2000) Functional anatomy of cognitive development. *Neurol* 54:180–5

Gainotti G (1972) Emotional behaviour and hemispheric side of the lesion. *Cortex* 8:41–55

Gainotti G (1983) Laterality of affect: The emotional behavior of right- and left-brain-damaged patients. In: Myslobodsky MS (ed) *Hemispheres. Psychobiology, neurology, psychiatry*. Acad Press, New York, pp 175–92

Gainotti G, D'Erme P, Monteleone D *et al.* (1986) Mechanisms of unilateral spatial neglect in relation to laterality of cerebral lesion. *Brain* 109:599–612

Gainotti G (2005) Emotions, unconscious processes, and the right hemisphere. *Neuro-Psychanalysis* 7:71–81

Galaburda AM (1984) Anatomical Asymmetries. In: N Geschwind and AM Galaburda (eds) *Cerebral Dominance*. Harvard Univ Press, Cambridge, Mass, pp 11–25

Galaburda AM (1986) Animal studies and the neurology of developmental dyslexia. In: GT Pavlidis and DF Fisher (eds) *Dyslexia. Its neuropsychology and treatment*. Wiley and Sons, Chichester, pp 39–50

Galaburda AM (1988) The Pathogenesis of Childhood Dyslexia. In F Plum (ed) *Language, Communication and the Brain*. Raven Press, New York. Pp 127–137,

Galaburda AM & Bellugi U (2000) Multilevel analysis of cortical neuroanatomy in Williams syndrome. *J Cogn Neurosci* 12:74–88

Galaburda AM, Corsiglia J, Rosen GD *et al.* (1987) Planum temporale asymmetry, reappraisal since Geschwind and Levitsky. *Neuropsychol* 25:853–68

Galaburda AM & Habib M (1987) Mechanisms of asymmetries. The first Annett model. The Levy-Nagyilaki model. In: PJ Magistretti (series ed) *Cerebral Dominance: Biological Association*

tions and Pathology. Discussions in Neurosciences vol IV. FESN, Geneva, pp 30

Galaburda AM & Habib M (1987) Structural brain asymmetries. Asymmetries in the sylvian fissures. In: PJ Magistretti (series ed) *Cerebral Dominance: Biological Associations and Pathology*. Discussions in Neurosciences vol IV FESN, Geneva, pp 15–16

Galaburda AM, Holinger DP, Bellugi U *et al.* (2002) Williams syndrome. Neuronal size and neuronal-packing density in primary visual cortex. *Arch Neurol* 59:1461–67

Galaburda AM & Kemper TL (1979) Cytoarchitectonic abnormalities in developmental dyslexia: A case study. *Ann Neurol* 6:94–100

Galaburda AM, Menard MT, Rosen GD (1994) Evidence for aberrant auditory anatomy in developmental dyslexia. *Proc Natl Acad Sci USA* 91:8010–13

Galaburda AM, Sherman GF, Rosen GD *et al.* (1985) Developmental dyslexia: four consecutive patients with cortical anomalies. *Ann Neurol* 18: 222–33

Galanopoulou AS, Boijko A, Lado F *et al.* (2000) The spectrum of neuropsychiatric abnormalities associated with electrical status epilepticus in sleep. *Brain & Dev* 22:279–95

Galanopoulou AS, Vidaurre J, McVicar K *et al.* (2002) Language and behavioral disturbances associated with epileptiform EEGs. *Am J End Technol* 42:181–209

Galatzer-Levy RM (2020) Discussion of a new project for a scientific psychology. *Neuropsychologia*. 22:63–7

Galifret-Granjon N (1961) Les Praxies chez l'enfant d'après J Piaget. *Psychiat L'enfant* 4:579–91

Galifret-Granjon N (1984a) Batterie Piaget-Head (test d'orientation droite-gauche). In R Zazzo: *Manual pour l'examen psychologique de l'enfant*. Delachaux et Niestlé, Neuchatel, pp 49–85

Galifret-Granjon N (1984b) Test des gnosies digitales. In R Zazzo: *Manual pour l'examen psychologique de l'enfant*. Neuchatel: Delachaux et Niestlé, pp 86–119

Galifret-Granjon N & Santucci H (1984) Test adapté de Kohs-Goldstein. In R Zazzo: *Manual pour l'examen psychologique de l'enfant*. Delachaux et Niestlé, Neuchatel, pp 262–289

Galin D (1974) Implications for psychiatry of left and right cerebral specialization. *Arch Gen Psychiat* 31:572–83

Galin D, Diamond R & Herron J (1977) Development of crossed and uncrossed tactile localization on the fingers. *Brain Lang* 4:588–90

Galin D, Johnstone J, Nakell L *et al.* (1979) Development of the capacity for tactile information transfer between hemispheres in normal children. *Sci* 204:1330–32

Gallagher HL, Happé F, Brunswick N *et al.* (2000) Reading the mind in cartoons and stories: An fMRI study of 'theory of mind' in verbal and nonverbal tasks. *Neuropsychol* 38:11–21

Gallagher S (2005) *How the body shapes the mind*. Oxford University Press, New York

Gallese V, Fadiga L, Fogassi L & Rizzolatti G (1996) Action recognition in the premotor cortex. *Brain* 119:593–609

- Gallese V & Goldman A (1998) Mirror neurons and the simulation theory of mind-reading. *Trends in Cogn Sci* 2:493–501
- Gallese V (2003) The manifold nature of interpersonal relations: the quest for a common mechanism. *Philos Transact Roy Soc London Biol Sci* 358: 517–28
- Gallese V, Keysers C, & Rizzolatti G (2004) A unifying view of the basis of social cognition. *Trends in Cogn Sci* 8:396–403
- Gallese V (2009) Mirror neurons, embodied simulation, and the neural basis of social identification. *Psychoanal Dialog* 19: 519–36
- Gallese V (2013) Bodily self, affect, consciousness, and the cortex. *Neuropsychanalysis* 15:42–5
- Gallese V (2014) Bodily selves in relation: embodied simulation as second-person perspective on intersubjectivity. *Phil Trans Royal Soc B: Biol Sci*, 369 (1644)
- Gallese (2016) Finding the body in the brain. From Simulation Theory to Embodied Simulation. In: McLaughlin B & Kornblith HK (eds) *Alvin Goldman and His Critics*. Wiley & Sons, New York
- Gallese V, Ardizzi M & Ferroni F (2024) Schizophrenia and the bodily self. *Schizophr. Res.* 269:152–62
- Gallese V, Eagle MN & Migine P (2007) Intentional attunement: mirror neurons and the neural underpinnings of interpersonal relations. *J of the Am Psychoanal Ass* 55:131–75
- Gallese V & Ferri F (2013) Jaspers, the Body, and Schizophrenia: The Bodily Self. *Psychopathol*: July online
- Gallese V & Sinigaglia C (2010) The bodily self as power for action. *Neuropsychol*, 48: 746–55
- Gallese V & Sinigaglia C (2011) How the body in action shapes the self. *J Consciousness Stud*, 18:117–43
- Galton F (1880) Visualised numerals. *Nature* 21:252–56
- Gandour J, Tong Y, Wong D et al. (2004) Hemispheric roles in the perception of speech prosody. *Neuro-Image* 23:344–57
- Gangitano M, Mottaghy F & Pascual-Leone A (2001) Phase-specific modulation of cortical motor output during movement observation. *Neuroreport* 12:1489–92
- Gao B, Duncan WC & Wehr TA (1992) Fluoxetine decreases brain temperature and REM sleep in Syrian hamsters. *Psychopharmacol* 106:321–29.
- Garcea FE, Almeida J, Sims MH et al. (2019) Domain-specific diaschisis: lesions to parietal action areas modulate neural responses to tools in the ventral stream. *Cereb Cortex* 29:3168–81
- García AM, Ibáñez A (2016) A touch with words: Dynamic synergies between manual actions and language. *Neurosci Biobehav Rev.* 68:59–95
- García-Sánchez C, Estévez-González A, Suárez-Romero E et al. (1997) Right hemisphere dysfunction in subjects with attention-deficit disorder with and without hyperactivity. *J Child Neurol* 12:107–15
- Gardeur D, Palmieri A & Mashaly R (1983) Cranial computed tomography in the phakomatoses. In: Naidich TP and Fulling KH (eds) *Congenital malformations of the brain*. *Neuroradiol* 25:293–303
- Gardiner MF & Walter DO (1977) Evidence of hemispheric specialization for infants EEG. In Harnad S, Doty RW & Goldstein L (eds) *Lateralization in the nervous system*. Academic Press, New York, pp 481–500
- Gainotti G (2018) A historical review of investigations on laterality of emotions in the human brain. *J Hist Neurosci* 28:23–41
- Gao W, Zhu H, Giovanello KS et al. (2009) Evidence on the emergence of the brain's default network from 2-week old to 2-year-old healthy pediatric subjects. *Proc Natl Acad Sci USA* 106:6790–5
- Gardner H (1984) *Frames of mind*. The theory of multiple intelligences. Heinemann, London, zie 1032
- Gardner H (2002) *Soorten intelligentie*. Uitg. Nieuwezijds, Amsterdam
- Gardner EB, English AG, Flannery BM et al. (1977) Shape-recognition accuracy and response latency in a bilateral tactile task. *Neuropsychologia* 15:607–16
- Garey LJ (2006) *Brodmann's localisation in the cerebral cortex*. The principles of comparative localisation in the cerebral cortex based on cytoarchitectonics. Springer Science+Business Media, Inc.
- Garfield JC (1964) Motor impersistence in normal and brain-damaged children. *Neurol* 14:623–30
- Garnett MR, Blamire AM, Rajagopalan B et al. (2000) Evidence for cellular damage in normal appearing white matter correlates with injury severity in patients following traumatic brain injury. A magnetic resonance spectroscopy study. *Brain* 123:1403–9
- Garrido D, Petrova D, Watson LR et al. (2017) Language and motor skills in siblings of children with autism spectrum disorder: A meta-analytic review. *Autism Res* 10:1737–50
- Garty B-Z, Dinari G & Nitzan M (1987) Transient acute cortical blindness associated with hypoglycemia. *Pediatr Neurol* 3:169–70
- Gasser Th, Rousson V & Schreier Gasser U (2003) EEG power and coherence in children with educational problems. *J Clin Neurophysiol* 20:273–82
- Gastaut H (1982) L'épilepsie bénigne de l'enfant à pointe-ondes occipitales. *Rev EEG Neurophysiol Clin* 12:179–201
- Gates JR, Mireles R, Maxwell R et al. (1986) Magnetic resonance imaging, electroencephalogram, and selected neuropsychological testing in staged corpus callosotomy. *Arch Neurol* 43:1188–91
- Gathercole SE (1999) Cognitive approaches to the development of short-term memory [Review]. *Trends Cogn Sci* 3:410–19
- Gathercole SE & Baddeley AD (1990) Phonological memory deficits in language disordered children: is there a causal connection?. *J Mem lang* 29:336–60
- Gathercole SE, Pickering SJ, Knight C et al. (2004) The structure of working memory from 4 to 15 years of age. *Dev Psychol* 40:177–90
- Gauger LM, Lombardino LJ & Leonard CM (1997) Brain Morphology in Children With Specific Language Impairment. *J Speech Lang Hearing Res* 40:1272–84
- Gauthier I, Behrmann M & Tarr MJ (1999) Can face recognition really be dissociated from object recognition? *J Cognit Neurosci* 11:349–70
- Gauthier I, Skudlarski P, Gore JC et al. (2000) Expertise for cars and birds recruits brain areas involved in face recognition. *Nat Neurosci* 3:191–7
- Gauthier I, Tarr MJ, Anderson AW et al. (1999) Activation of the middle fusiform 'face area' increases with expertise in recognizing novel objects. *Nature neurosci* 2:568–73
- Gayan J & Olson RK (2001) Genetic and environmental influences on orthographic and phonological skills in children with reading disabilities. *Dev Neuropsychol* 20:483–507
- Gazzaniga MS (1973) Brain Theory and Minimal Brain Dysfunction. *Ann N Y Acad Sci* 205:89–92
- Gazzaniga MS (1974) Cerebral dominance viewed as a decision system. In: SJ Dimond and JG Beaumont (eds) *Hemisphere function in the human brain*. pp 367–82
- Gazzaniga MS (ed 1979, vol 2) *Neuropsychology*. FA King (general ed) *Handbook of Behavioral Neurobiology*. Plenum Press, New York
- Gazzaniga MS (1984) Advances in cognitive neurosciences: The problem of information storage in the human brain. In: Lynch G, McGaugh JL & Weinberger NM (eds) *Neurobiology of learning and memory*. The Guilford Press, New York, pp 78–88
- Gazzaniga MS (1984) Recovery of function: the cognitive perspective. In: Magistretti PJ, Morrison JH & Bloom FE (eds) *Nervous system development and repair. Discussions in Neurosciences*. FESN, Genève, pp 95–102
- Gazzaniga MS (2000) Cerebral specialization and interhemispheric communication. Does the corpus callosum enable the human condition? *Brain* 123:1293–326
- Gazzaniga MS (ed 2000) *The new cognitive neurosciences*. MIT Press London
- Gazzaniga MS & Hillyard SA (1971) Language and speech capacity of the right hemisphere. *Neuropsychol* 9:273–80
- Gazzaniga S, Ivry RB & Mangun GR (2009) *Cognitive Neuroscience: Biology of the Mind* (3rd ed). W.W. Norton & Co, New York, London, p 446
- Gazzaniga MS & Ledoux J (1978) *The integrated mind*. Plenum Press New York
- Gazzaniga MS & Smylie CS (1983) Facial recognition and brain asymmetries: Clues to underlying mechanisms. *Ann Neurol* 13:536–40
- Gazzaniga MS, Steen D, Volpe BT (1979) *Functional Neuroscience*. Harper & Row, New York
- Geary DC (2000) From infancy to adulthood: The development of numerical abilities. *Eur Child Adolesc Psychiat* 9.2:1–6
- Geary DC, Hamson CO, Hoard MK (2000) Numerical and arithmetical cognition: A longitu-

- dinal study of process and concept deficits in children with learning disability. *J Exp Child Psychol* 77:236–63
- Gecz J, Gedeon AK, Sutherland GR *et al.* (1996) Identification of the gene FMR2, a novel gene associated with the fragile mental retardation. *Nat Genet* 13:105–8
- Geddes JF, Hackshaw AK, Vowles GH *et al.* (2001) Neuropathology of inflicted head injury in children. I. Patterns of brain damage. *Brain* 124:1290–
- Geeraerts S, Lafosse C, Vaes N *et al.* (2008) Dysfunction of right-hemisphere attentional networks in attention deficit hyperactivity disorder. *J Clin Exp Neuropsychol* 30:42–52
- Geerdink JJ (1993) Early motor development in preterm infants. Thesis, VU-Amsterdam
- Geffen GM, Forrester GM, Jones DL *et al.* (1994) Auditory verbal learning and memory in cases of callosal agenesis. In: Lassonde & Jeeves M (eds) *Callosal age M nesis: A natural split-brain?* Plenum Press, New York, pp 247–60
- Geffen GM, Jones DL & Geffen LB (1994) Inter-hemispheric control of manual motor activity. *Beh Brain Res* 64:131–40
- Geffen GM, Nilsson J, Quinn K *et al.* (1985) The effect of lesions of the corpus callosum on finger localization. *Neuropsychol* 23:497–514
- Geffen GM, Nilsson J, Simpson DA *et al.* (1994) The development of interhemispheric transfer of tactile information in cases of callosal agenesis. In: Lassonde M & Jeeves M (eds) *Callosal agenesis: A natural split-brain?* Plenum Press, New York, pp 185–98
- Geijn, van HP, Swartjes JM, Woerden van EE *et al.* (1986) Fetal behavioural states in epileptic pregnancies. *Eur J Obstet Gynaecol Reprod Biol* 21:309–14
- Gelmers HJ (1983) Aprosodieën: stoornissen in het affectieve taalgebruik en de betekenis van afwijkingen in de niet-dominante hemisfeer. *NTvG* 127:160–3
- Genc S, Malpas ChB, Ball G *et al.* (2018) Age, sex, and puberty related development of the corpus callosum: a multi-technique diffusion MRI study. *Brain Struct Funct* 223:2753–65
- Gentilucci M & Corballis MC (2006) From manual gesture to speech: a gradual transition. *Neurosci Biobehav Rev* 30:949–60
- Gentilucci M & Dalla Volta R (2008) Spoken language and arm gestures are controlled by the same motor control system. *Q J Exp Psychol* 61:944–57
- Gentry B, Griffith L, Dancer J, *et al.* (1998) Prenatal alcohol exposure and communication, behavior, and nonverbal intelligence of 3 school-age children. *Percept Motor Skills* 863:1089–90
- George C, Kaplan N & Main M (1985) Adult Attachment Interview. Unpublished manuscript, University of California, Berkeley.
- George N, Driver J & Dolan RJ (2001) Seen gaze-direction modulates fusiform activity and its coupling with other brain areas during face processing. *Neuroimage* 13:1102–12
- Georgiou N & Spanoudis G (2021) Developmental Language Disorder and Autism: Commonalities and Differences on Language. *Brain Sci.* 11: 589.
- Gepner B, De Gelder B & De Schonen S (1996) Face processing in autistics: Evidence for a generalised deficit? *Child Neuropsychol* 2:123–39
- Gérard-Desplanches A, Deruelle C, Stefanini S *et al.* (2006) Laterality in persons with intellectual disability ii. Hand, foot, ear, and eye laterality in persons with trisomy 21 and Williams-Beuren syndrome. *Dev Psychobiol* 48:482–91
- Gerards FM (1980) Kinderen bij de dokter. *Medisch Contact* 20:603–7
- Gerdas M, Solot C, Wang PP *et al.* (1999) Cognitive and behavior profile of preschool children with chromosome 22q11.2 deletion. *Am J Med Genet* 85:127–33
- Gergely G & Watson J (1991) The social bio-feedback model of parental affect-mirroring. *J Psychoanal* 77:1181–212
- Gerin MI, Viding E, Pingault J *et al.* (2019) Heightened amygdala reactivity and increased stress generation predict internalizing symptoms in adults following childhood maltreatment. *JCPP* 60:752–61
- Gerrits E & van Niel E (2012) Taalachterstand of taalontwikkelingsstoornis? Dysfasie, ESM, SLI of taalstoornis. *Log & Foniat*, November
- Gerloff C & Andres FG (2002) Bimanual coordination and interhemispheric interaction. *Acta Psychol* (Amst). 110:161–86
- Germanò A, Baldari S, Caruso G *et al.* (1998) Reversible cerebral perfusion alterations in children with transient mutism after posterior fossa surgery. *Child's nerv syst* 14:114–19
- Gerrits E, Beers M, Bruinsma G *et al.* (eds, 2017) *Handboek taalontwikkelingsstoornissen*. Bussum: Coutinho
- Gerrits E & van Niel E (2012) Taalachterstand of taalontwikkelingsstoornis? Dysfasie, ESM, SLI of taalstoornis. *Logo & Foniat* 84:6–10
- Gerrits E & van Niel E (2013) Het brein van kinderen met een specifieke taalontwikkelingsstoornis. *Logo & Foniat* 85:34–35
- Gerron K & El-Husseini A (2006) Cell adhesion molecules at the synapse. *Front Biosci* 11:2400–19
- Gerson IM, Barnes TC, Mannino A *et al.* (1972) EEG of children with various learning problems. *Dis Nerv system*
- Gerstmann J (1927) Fingeragnosie. Eine umschriebene Störung der Orientierung am eigenen Körper. *Wie Klin Wschr* 37:1010–2
- Gerver CR, Griffin JW, Dennis NA *et al.* (2023) Memory and creativity: A meta-analytic examination of the relationship between memory systems and creative cognition. *Psychon Bull & Rev*, 1-39. Advance online
- Geschwind DH *et al.* (2000) Neurobehavioral phenotype of Klinefelter syndrome Source: *Ment Ret Dev Dis Res*
- Geschwind DH, Miller BL, DeCarli C *et al.* (2002) Heritability of lobar brain volumes in twins supports genetic models of cerebral laterality and handedness. *Proc Natl Acad Sci USA* 99:3176–81
- Geschwind N (1965a) Disconnexion syndromes in animals and man. *Brain* 88:237–91
- Geschwind N (1965b) Disconnexion syndromes in animals and man II. *Brain* 88:585–644
- Geschwind N (1972) Disorders of higher cortical function in children. *Clin Proc Child Hosp Wash* 28:261–72
- Geschwind N (1975) The apraxias: neural mechanisms of disorders of learned movement. *Am Sci* 63:188–95
- Geschwind N (1979) Specializations of the human brain. *Sci Am* 241:158–68
- Geschwind N (1985a) Mechanisms of change after brain lesions. In: Nottebohm F (ed) *Hope for a new neurology*. *Ann NY Acad Sci* 457:1–13
- Geschwind N (1985b) Brain disease and the mechanisms of mind. In: Coen CW (ed) *Functions of the brain*. Clarendon Press, Oxford, pp 160–79
- Geschwind N (1985c) Developmental implications of the biological foundations of cerebral dominance. In: Magistretti PJ, Morrison JA & Bloom FE (eds). *Nervous system development and repair*. Discussions in neurosciences, vol I FESN, Genève, pp 102–7
- Geschwind N (1986) Dyslexia, cerebral dominance, autoimmunity, and sex hormones. In: Pavlidis GTh & Fisher DF (eds) *Dyslexia. Its neuropsychology and treatment*. John Wiley and Sons, Chichester, pp 51–64
- Geschwind N & Behan P (1982) Left-handedness: association with immune disease, migraine, and developmental learning disorder. *Proc natl Acad Sci* 79:5097–100
- Geschwind N & Galaburda AM (eds, 1984). *Cerebral Dominance*. The biological foundations. Harvard University Press, Massachusetts:Cambridge
- Geschwind N & Galaburda AM (1985a) Cerebral lateralization. Biological mechanisms, associations and pathology. I A hypothesis and a program for research. *Arch Neurol* 42:428–59
- Geschwind N & Galaburda AM (1985b) Cerebral lateralization. Biological mechanisms, associations and pathology. II: A hypothesis and a program for research. *Arch Neurol* 42:428–59
- Geschwind N & Galaburda AM (1985c) Cerebral lateralization. Biological mechanisms, associations and pathology. III: A hypothesis and a program for research. *Arch Neurol* 42:634–54
- Geschwind N & Levitsky W (1969) Left-right asymmetries in temporal speech region. *Sci* 161:186–7
- Gesell A & Ames L B (1947) The development of handedness. *J Gen Psychol* 70:155–75
- Geurts HM & Jansen MD (2012) A retrospective chart study: the pathway to a diagnosis for adults referred for ASD assessment. *Autism* 16:299–305
- Geuze RH, Jongmans M, Schoemaker M *et al.* (2001) Developmental coordination disorder. Editorial. *Hum Mov Sci* 20:1–5
- Geuze RH, Schaafsma SM, Lust JM *et al.* (2012) Plasticity of lateralization: Schooling predicts hand preference but not hand skill asymmetry in a non-industrial society. *Neuropsychol* 50:612–20
- Geva R, Eshel R, Leitner Y *et al.* (2006) Memory functions of children born with asymmetric intrauterine growth restriction. *Brain Res* 1117:186–94
- Gevens A, Smith ME, McEvoy LK *et al.* (1999) Electroencephalographic imaging of higher

- brain function. *Philosoph Transact Royal Soc London – Series B: Biol Sci* 354:1125–33
- Ghasoub M, Perdue M, Long X *et al.* (2024) Structural neural connectivity correlates with pre-reading abilities in preschool children. *Dev Cogn Neurosci*. 65:101332
- Ghaziuddin M, Butler E, Tsai L *et al.* (1994) Is clumsiness a marker for Asperger syndrome? *J Intell Disab Res* 38:519–27
- Ghirardi L, Kuja-Halkola R, Butwicka A *et al.* (2021) Familial and genetic associations between autism spectrum disorder and other neurodevelopmental and psychiatric disorders. *JCPP* doi:10.1111/jcpp.13508
- Ghika J, Ghika-Schmid F & Bogousslavsky J (1998) Parietal motor syndrome: A clinical description in 32 patients in the acute phase of pure parietal strokes studied prospectively. *Clin Neurol Neurosurg* 100:271–
- Gibbon J & Allan L (ed 1984) Timing and time perception. *Ann NY Acad Sci* 42
- Gibbs EL, Rich CL & Gibbs FA (1960) Electroencephalographic study of mentally retarded Persons. *EEG Clin Neurophysiol* 12:265
- Gibson EJ (1977) The development of perception as an adaptive process. In: IL Janis (ed) *Current trends in psychology*. Kaufmann, Los Altos, California, pp 111–20
- Gibson C & Bryden MP (1983) Dichaptic recognition of shapes and letters in children. *Can J Psychol* 37:132–43
- Gibson EJ (1995) Are we automata? In: The self in infancy: *Theory and research. Advances in Psychology*, ed. Rochat P, Amsterdam: Elsevier, pp 3–15
- Gibson JJ (1986) *The Ecological Approach to Visual Perception*. Hillsdale, NJ: Lawrence Erlbaum Ass
- Giedd JN, Blumenthal J, Jeffries NO *et al.* (1999) Brain development during childhood and adolescence: a longitudinal MRI Study. *Nature Neurosci* 2:861–3
- Giedd JN (2000) Bipolar disorder and Attention-Deficit/Hyperactivity Disorder in children and adolescents. *J Clin Psychiat* 61:31–4
- Giedd JN, Castellanos FX, Casey BJ *et al.* (1994) Quantitative morphology of the corpus callosum in attention deficit hyperactivity disorder. *Am J Psychiat* 151:665–9
- Giedd JN, Castellanos FX, Rajapakse JC *et al.* (1997) Sexual dimorphism of the developing human brain [Review] *Progr Neuro-Psychopharmacol Biol Psychiat* 21:1185–1201
- Giedd JN, Rumsey JM, Castellanos FX *et al.* (1996) A quantitative MRI study of the corpus callosum in children and adolescents. *Dev Brain Res*
- Giedd JN, Snell JW, Lange N *et al.* (1996) Quantitative magnetic resonance imaging of human brain development: Ages 4–18. *Cerebral Cortex* 6:551–60
- Gilbert JN, Jones KL, Rorke LB *et al.* (1986) Central nervous system anomalies associated with meningocele, hydrocephalus, and the Arnold-Chiari malformation: Reappraisal of theories regarding the pathogenesis of posterior neural tube closure defects. *Neurosurg* 18:559–64
- Gillberg C (1995) *Clinical Child Neuropsychiatry*. Cambridge University Press, Cambridge, UK, pp 366
- Gillberg C (ed 2000) Child and adolescent psychopharmacology. *Europ. Child Adolesc Psychiat* 9:1–122
- Gillberg C (2003) Deficits in attention, motor control, and perception: a brief review. *Arch Dis Child* 88:904–10
- Gillberg C & Coleman M (1992) *The biology of autistic syndromes*. 2nd ed. London, MacKeith Press, Cambridge Un Press
- Gillberg C & Coleman M (1996) Autism and medical disorders: A review of the literature. *DMCN* 38:191–202
- Gillberg C, Ehlers S, Schaumann H *et al.* (1990) Autism under age 3 years: A clinical study of 28 cases referred for autistic symptoms in infancy. *JCPP* 31:921–34
- Gillberg IC & Gillberg C (1983) Three year follow-up at age 10 of children with minor developmental disorders: behavioural problems. *DMCN* 25:438–49
- Gillberg IC, Gillberg C & Groth J (1989) Children with preschool minor neurodevelopmental disorders. V: Neurodevelopmental profiles at age 13. *DMCN* 31:14–24
- Gillberg Chr & Souza L de (2002) Head circumference in autism, Asperger syndrome, and ADHD: A comparative study. *DMCN* 44:296–300
- Gillberg C, Steffenburg S & Jakobson G (1987) Neurobiological findings in 20 relatively gifted children with Kanner-type autism or Asperger syndrome. *DMCN* 29:641–9
- Gillen JA & Dutton GN (2003) Bálint's syndrome in a 10-year-old male. *DMCN* 45:349–52
- Gilles FH (1985) Perinatal neuropathology. In: RL Davis and DM Robertson (eds) *Textbook of neuropathology*. Williams & Wilkins, Baltimore, pp 243–83
- Gilles FH, Leviton A, Dooling EC (1983) *The developing human brain*. John Wright, Boston
- Gilles FH & Murphy SF (1969) Perinatal telencephalic leucoencephalopathy. *J Neurol Neurosurg Psychiat* 32:404–41
- Gillath O Ai T, Branicky M, Keshmiri S *et al.* (2020) Attachment and Trust in Artificial Intelligence. *Comp. Hum. Behav.* 106607. doi:10.1016/j.chb.2020.106607
- Gillis S & Schaerlaekens A (red 2000) *Kinder-taalverwerving*. Een handboek voor het Nederland. M Nijhoff, Goningen, pp 564
- Gillis A *et al.* (2016) A Shared Role for Sonic Hedgehog Signalling in patroning Chondrichthyan Gill Arch Appendages and Tetrapod limbs. *Development* 143:1313–17
- Girault JB (2025) The developing visual system: A building block on the path to autism. *Dev Cogn Neurosci*. 73:101547
- Glaga T & Dehaene-Lambertz G (2005) Structural encoding of body and face in Human infants and adults. *J Cogn Neurosci* 17:1328–40
- Gilissen R, Bakermans-Kranenburg MJ, Van Ijzendoorn MH *et al.* (2008) Parent-child relationship, temperament, and physiological reactions to fear-inducing film clips: further evidence for differential susceptibility. *J Exp Child Psychol* 99:182–95
- Gimenez MC, Hessels M, van de Werken M *et al.* (2010). Effects of artificial dawn on subjective ratings of sleep inertia and dim light melatonin onset. *Chronobiol Int* 27:1219–41
- Giovanardi Rossi P, Parmeggiani A, Posar A *et al.* (1999) Landau-Kleffner syndrome (LKS): Long-term follow-up and links with electrical status epilepticus during sleep (ESES) *Brain Dev* 21:90–8
- Girgis M (1978) Neostigmine activated epileptiform discharge in the amygdala: electrographic-behavioral correlations. *Epilepsia* 19:521–30
- Girgis M (1981) *Neural substrates of limbic epilepsy*. Warren H Green, St Louis
- Gittelman R (1983) Hyperkinetic syndrome: treatment issues and principles. In: M Rutter (ed) *Developmental neuropsychiatry*. Churchill Livingstone, Edinburgh, pp 437–49
- Gittelman-Klein R & Klein D (1976) Methylphenidate effects in learning disabilities: psychometric changes. *Arch Gen Psychiat* 33:655–64
- Gittelman-Klein R & Klein DF (1975) Are behavioral en psychometric changes related in methylphenidate treated hyperactive children? *Int J Ment Health* 4:182–198
- Gjerde LC, Eilertsen EM, Reichborn-Kjennerud T *et al.* (2017) Maternal perinatal and concurrent depressive symptoms and child behavior problems: a sibling comparison study. *JCPP* 58:779–86
- Gladstone M & Best CT (1985) Developmental dyslexia: The potential role of interhemispheric collaboration in reading acquisition. In: Best CT (ed) *Hemispheric function and collaboration in the child*. Acad Press, Orlando, pp 87–118
- Gladstone M, Best CT & Davidson RJ (1989). Anomalous bimanual coordination among dyslexic boys. *Dev Psychol* 25:236–46
- Glanzer M & Clark EO (1979) Cerebral mechanisms of information storage: The problem of memory. In: MS Gazzaniga (ed) *Handbook of behavioral neurobiology*, 2 *Neuropsychology*. Plenum Press, New York, pp 465–89
- Glasser MF, Coalson TS, Robinson EC *et al.* (2016) A multi-modal parcellation of human cerebral cortex. *Nature* 536:171–8
- Glaser GH (1967) Limbic epilepsy in childhood. *J Nerv Ment Dis* 144:391–97
- Glass P, Bulas DI, Wagner AE *et al.* (1998) Pattern of neurophysiological deficit at age five years following neonatal unilateral brain injury. *Brain Lang* 63:346–56
- Glasser MF & Rilling JK (2008) DTI tractography of the human brain's language pathways. *Cereb Cortex* 18:2471–82
- Glaub T & Mechler F (1987) Intellectual function in muscular dystrophies. *Eur Arch Psychiat Neurol Sci* 236:379–82
- Glenberg AM (2007) Language and action: creating sensible combinations of ideas. In: G Gaskell (Ed) *The Oxford handbook of psycholinguistics* (pp. 361–370). Oxford, UK: Oxford University Press
- Glaga T & Dehaene-Lambertz (2005) Structural encoding of body and face in human infants and adults. *J cogn Neurosci* 17:1328–40

- Gluga T & Dehaene-Lambert G (2005) Structural encoding of body and face in Human infants and adults. *J Cogn Neurosci* 17:1328–40
- Glós J & Pavlovkin M (1985) Profile of intellectual achievements in the WISC of children with hemiplegic form of cerebral palsy (their dependence on the hemispheric localisation of the brain damage). *Studia Psychologica* 27:37–46
- Glover V (2011) Ann Res Rev: Prenatal stress and the origins of psychopathology: an evolutionary perspective. *JCPP* 52:356–67
- Glowinski AL (2011) Reactive attachment disorder: an evolving entity. *J Am Acad Child Adolesc Psychiat* 50:210–2
- Gluckman PD & Williams ChE (1992) When and why do brain cells die? *DMCN* 34:1010–14
- Gobel SM, Calabria M, Farne A, Rossetti Y *et al.* (2006) Parietal rTMS distorts the mental number line: Simulating 'spatial' neglect in healthy subjects. *Neuropsychol.* 44:860–68
- Goda Y & Davis GW (2003) Mechanisms of synapse assembly and disassembly. *NEURON* 40:243–64
- Godbout L & Doyon J (1995) Mental representation of knowledge following frontal-lobe or postrolandic lesions. *Neuropsychol* 33:1671–96
- Goddard Blythe S (2009) Attention, balance, and Coordination. The A.B.C. of Learning Success. Chichester: Wiley-Blackwell
- Godfrey-Smith P (2016) *Other Minds: The Octopus, the Sea, and the Deep Origins of Consciousness*. Farrar, Straus and Giroux (FSG)
- Gogate LJ (2006) Attention to Maternal Multimodal Naming by 6- to 8-Month-Old Infants and Learning of Word-Object Relations. *Infancy* 9:259–88
- Gogate LJ, Walker-Andrews AS & Bahrick LE (2001) The intersensory origins of word comprehension: an ecological-dynamic systems view. *Dev Sci* 4:1–37
- Gold M, Adair JC, Jacobs DH *et al.* (1995) Right-left confusion in Gerstmann's syndrome: A model of body centered spatial orientation. *Cortex* 31:267–83
- Goldberg E (1985) Papez circuit revisited: two systems instead of one? In: LR Squire and N Butters (eds) *Neuropsychology of memory*. The Guilford Press, New York, pp 183–193
- Goldberg E & Costa L (1981) Hemispheric differences in the acquisition and use of descriptive systems. *Brain Lang* 14:144–73
- Goldberg G (1985) Supplementary motor area structure and function: Review and hypotheses. *Behav Brain Sci* 8:567–616
- Golden GS (1978) Tics and Tourette's: A continuum of symptoms? *Ann Neurol* 4:145–48
- Goldenberg G (1995) Imitating gestures and manipulating a mannikin – The representation of the human body in ideomotor apraxia. *Neuropsychol* 33:63–72
- Goldenberg G (1996) Defective imitation of gestures in patients with damage in the left or right hemisphere. *J Neurol Neurosurg Psychiat* 61:176–80
- Goldenberg G & Hagmann S (1997) The meaning of meaningless gestures: A study of visuoimitative dyspraxia. *Neuropsychologia* 35:333–41
- Goldenberg G (1999) Matching and imitation of hand and finger postures in patients with damage in the left or right hemispheres. *Neuropsychol* 37:559–66
- Goldenberg G (2001) Imitation and matching of hand and finger postures. *Neurolmage* 14:132–6
- Goldenberg G (2003) Pantomime of object use: A challenge to cerebral localization of cognitive function. *Neuroimage* 20:101–6
- Goldenberg G (2017) Facets of Pantomime. *J Inter Neuropsychol Soc* 23:121–27
- Goldenberg G, Hentze S & Hermsdörfer J (2004) The effect of tactile feedback on pantomime of object use in apraxia. *Neurol* 63:1863–67
- Goldenberg G, Hermsdörfer J, Glin-dermann R *et al.* (2007) Pantomime of tool use depends on integrity of the left inferior frontal cortex. *Cereb Cortex* 17:2769–76
- Goldenberg G (2009) Apraxia and the parietal lobes. *Neuropsychol* 47:1449–59
- Goldenburg G & Strauss S (2002) Hemisphere asymmetries for imitation of novel gestures. *Neurol* 59:893–7
- Goldin-Meadow S (2010) Gesture's role in creating and learning language. *Enfance* 22:239–55
- Goldfield EC & Michel GF (1986) Spatiotemporal linkage in infant interlimb coordination. *Dev Psychobiol* 19:259–64
- Goldman PS & Galkin TW (1978) Prenatal removal of frontal association cortex in the fetal rhesus monkey: Anatomical and functional consequences in post-natal life. *Brain Res* 152:451–85
- Goldsmith HH, Van Hulle CA, Arneson CL *et al.* (2006) A population-based twin study of parentally reported tactile and auditory defensiveness in young children. *J Abn Child Psychol* 34:393–407
- Goldschneider A (1998) Untersuchungen über den Muskelsinn. II Ueber die Empfindung der Schwere und des Widerstandes. In: *Gesammelte Abhandlungen von A Goldschneider*, Vol. II, Barth, Leipzig
- Goldstein BL, Shankman SA, Kujawa A *et al.* (2016) Developmental changes in electroencephalographic frontal asymmetry in young children at risk for depression. *JCPP* 57:1075–82
- Goldstein G (1974) The use of clinical neuropsychological methods in the lateralisation of brain lesions. In: SJ Dimond & JG Beaumont (eds) *Hemisphere function in the human brain*. Elek Science, London, pp 279–310
- Goldstein K (1939) *The organism*. World Book Co, New York
- Goldstein S & ReynoldFs CR (2010) *Handbook of neurodevelopmental and genetic disorders in children*. 2nd Ed. London: The Guilford Press
- Göhlich-Ratmann G, Baethmann M, Lorenz P *et al.* (1998) Megalencephaly, mega corpus callosum, and complete lack of motor development: A previously undescribed syndrome. *Am J Med Genet* 79:161–7
- Goldin-Meadow S (2003) *Hearing gesture. How our hands help us think*. Cambridge MA: Harvard Un Press
- Goldin-Meadow S (2005) *Hearing gesture. How our hands help us think*. Cambridge (Mass.): Harvard Un Press
- Göllnitz G (1972) Das organische Psychosyndrom – Ein Klinischer Begriff. In: A Rott (ed) *Organische psychosyndromen im Kindesalter. Pädiatrie und Pädologie*. suppl I, Springer Verlag Wien, pp 10–25
- Goldstein S & ReynoldFs CR (2010) *Handbook of neurodevelopmental and genetic disorders in children*. 2nd Ed. London: The Guilford Press
- Golm D, Maughan B, Barker ED *et al.* (2020) Why does early childhood deprivation increase the risk for depression and anxiety in adulthood? A developmental cascade model. *JCPP* doi:10.1111/jcpp.13205
- Golomb MR, Saha C, Garg BP *et al.* (2007) The Association of Cerebral Palsy with Other Disability in Children with Perinatal Arterial Ischemic Stroke. *Pediatr Neurol.* 37:245–9
- Golse B (2004) *Du corps à la pensée*. Paris: Presse Univ de France.
- Gomer B, Wagner K, Frings L (2007) The Influence of Antiepileptic Drugs on Cognition: A Comparison of Levetiracetam with Topiramate. *Epilepsy Behav* 10:486–94
- Gómez-Beldarrain M, Grafman J, Pascual-Leone A *et al.* (1999) Procedural learning is impaired in patients with prefrontal lesions. *Neurol* 52:1853–60
- Gomot M, Giard M-H, Adrien J-L *et al.* (2002) Hypersensitivity to acoustic change in children with autism: Electrophysiological evidence of left frontal cortex dysfunctioning. *Psychophysiol* 39:577–84
- Gonen-Yaacovi, G., de Souza, L.C., Levy, R *et al.* (2013) Rostral and caudal prefrontal contribution to creativity: a meta-analysis of functional imaging data. *Front Hum Neurosci* 7:465
- González-Garrido AA Gómez-Velázquez FR, Zarabozo D *et al.* (2008). Time reproduction disturbances in ADHD children: An ERP study. *Intern J Neurosci.* 118:119–35
- González GF, Zari G & Tijms J (2015) A randomized controlled trial on the beneficial effects of training letter-speech sound integration on reading fluency in children with dyslexia. *PLoS One* 10: e0143914
- Gonzalez SL & Nelson EL (2015) Addressing the gap: a blueprint for studying bimanual hand preference in infants. *Front Psychol* 6:1–4
- Gooch D, Thompson P, Nash H *et al.* (2016) The development of executive function and language skills in the early school years. *JCPP* 57:180–7
- Goodall J (1986) *The chimpanzees of Gombe: Pattern of behavior*. Cambridge Mass.: Harvard Un. Press
- Goodale MA (2013) Separate visual systems for perception and action: a framework for understanding cortical visual impairment. *DMCN* 55:9–12
- Goodban MT (1993) Survey of speech and language skills with prognostic indicators in 116 patients with Cornelia de Lange syndrome. *Am J Med genet* 47:1059–63
- Gooddy W (1988) *Time and the nervous system*. Praeger Publishers, New York, 179 p

- Goodenough DR & Karp SA (1961) Field dependence en intellectual functioning. *J Abn Social Psychol* 63: 241-6
- Goodman R & Ashby L (1990) Delayed visual maturation and autism. *DMCN* 32:808-19
- Goodman RA & Whitaker HA (1985) Hemispherectomy: A Review (1928-1981) with special reference to the linguistic abilities and disabilities of the residual right hemisphere. In: CT Best (ed) *Hemispheric function and collaboration in the child*. Acad Press, Orlando, pp 121-56
- Goodman WK, Storch EA, Cohn JF *et al.* (2020) Deep Brain Stimulation for Intractable Obsessive-Compulsive Disorder: Progress and Opportunities. *Am J Psychiat* 177:200-3
- Goodwin AW & Wheat HE (1992) Magnitude estimation of contact force when objects with different shapes are applied passively to the fingerpad. *Somatosens Mot Res* 9:339-44
- Goodyear PWA, Bannister CM, Russell S *et al.* (2001) Outcome in prenatally diagnosed fetal agenesis of the corpus callosum. *Fetal Diagn Ther* 16:139-45
- Goodyer IM (ed 2001) *The depressed child and adolescent*. Sec.ed. Cambridge Un Press, Cambridge UK, pp 388
- Gooijers J, Chalavi S, Beeckmans K *et al.* (2015) Subcortical Volume Loss in the Thalamus, Putamen, and Pallidum, Induced by Traumatic Brain Injury, Is Associated With Motor Performance Deficits. *Neurorehab Neur Repair* 30:603-14
- Goorhuis-Brouwer SM (1979) *Niet Vanzelfsprekend*. (Dutch) Wolters-Noordhoff, Groningen
- Göpel Ch & Marcus A (2002) "Winter Blues". Überblick über saisonale depressive Störungen (SAD) im Kindes- und Jugendalter. *Monatsschr Kinderheilkd* 150:743-7
- Gopnik M & Crago MB (1991) Familial aggregation of a developmental language disorder. *Cogn* 39:1-50
- Gopnik A & Wellman HM (1992) Why the child's theory of mind really is a theory. *Mind Lang* 7 :145-71
- Gorbachevskaya NL, Zavadenko NN, Yakupova LP *et al.* (1996) Electroencephalographic study of hyperactivity in children. *Hum Physiol* 22:556-62 *Transl from Fiziologiya Cheloveka* (1996) 22:49-55
- Gorbachevskaya NL (2001) *EEG features of pervasive developmental disorders*. Symp. Behav. phenotypres. 8th Russian Nat Congress 'Man and Drug' Moscow, 5 April 2001.
- Gordon AG (1988) Some comments on Bishop's annotation "Developmental dysphasia and otitis media". *JCPP* 29:361-3
- Gordon EM, Chauvin RJ, Van AN *et al.* (2023) A somato-cognitive action network alternates with effector regions in motor cortex. *Nature* 617:351-9
- Gordon K, Henkin Y & Kral A (2015) Asymmetric Hearing During Development: The Aural Preference Syndrome and Treatment Options. *Pediatr* 136:141-53
- Gordon H (1921) Left-handedness and mirror writing, especially among defective children. *Brain* 43:313-68
- Gordon N (1977) Learning disorders. *Acta Paediatr Scand* 66:247-53
- Gordon N (1986) Left-handedness and Learning. *DMCN* 28:649-61
- Gordon N (1997) Temporal lobe seizures, hippocampal sclerosis, and other lesions. *DMCN* 39:564-7
- Gordon N (2000) The therapeutics of melatonin. *Brain Dev* 22:213-7
- Gordon N (2001) Mutism: elective or selective, and acquired. *Brain Dev* 23:83-7
- Gorelick PhB & Ross ED (1987) The aprosodias: Further functional-anatomical evidence for the organisation of affective language in the right hemisphere. *J Neurol Neurosurg Psychiat* 50:553-60
- Gorno-Tempini ML & Price CJ (2001) Identification of famous faces and buildings. A functional neuroimaging study of semantically unique items. *Brain* 124:2087-97
- Gosch A & Pankau R (1998) The behavioral phenotype in Williams-Beuren-syndrome - status of current research [Review] [German] *Zeitschr Klin Psychol Psychopathol*
- Gosch A, Städing G & Pankau R (1994) Linguistic abilities in children with Williams-Beuren syndrome. *Am J Med Genet* 52:291-6
- Gosselin J & Amiel-Tison C (2011) *Neurological Assessment from Birth to 6*. Éditions du CHU Sainte-Justine., Idem: *Évaluation neurologique de la naissance à 6 ans*. (2e éd.) Elsevier-Masson
- Goswami U (2011) A temporal sampling framework for developmental dyslexia. *TICS* 15:3-10
- Goswami U (2013) *Dyslexia* - in tune but out of time. *Psychol* 26:106-9
- Gottlieb JS, Knot JR & Ashby MC (1945) Electroencephalographic evaluation of primary behaviour disorders in children. *Arch Neurol Psych* 53:138-43
- Gottlieb MI, Zinkus PW, Bradford LJ (1979) *The learning-disabled child*. Grune & Stratton, New York, pp 436
- Gottschalk B, Richman RA & Lewandowski L (1994) Subtle speech and motor deficits of children with congenital hypothyroid treated early. *DMCN* 36:216-20
- Gottwald B, Mihajlovic Z, Wilde B *et al.* (2003) Does the cerebellum contribute to specific aspects of attention? *Neuropsychol* 41:1452-60
- Gourovitch ML, Craft S, Dowton SB *et al.* (1994) Interhemispheric transfer in children with early treated phenylketonuria. *J Clin Exp Neuropsychol* 16:393-404
- Goyen T-A, Lui K & Woods R (1998) Visual-motor, visual-perceptual, and fine motor outcomes in very-low-birthweight children at 5 years. *DMCN* 40:76-81
- Gozzo Y, Vohr B, Lacadie C, *et al.* (2009) Alterations in neural connectivity in preterm children at school age. *NeuroImage* 48:58-63
- Grabowska A, Gut M & Binder M (2012) Switching handedness: fMRI study of hand motor control in right-handers, left-handers and converted left-handers. *Acta Neurobiol Exp* 72: 439-451
- Grabowska A & Nowicka A (1996) Visual-spatial-frequency model of cerebral asymmetry: A critical survey of behavioral and electrophysiological studies. *Psychol Bull* 120:434-49
- Grace SA, Toy WL, Buchanan B *et al.* (2019) Impaired recognition of negative facial emotions in body dysmorphic disorder. *J Int Neuropsychol Soc* 25:884-89
- Grady CL, McIntosh AR & Beig S (2001) An examination of the effects of stimulus type, encoding task, and functional connectivity on the role of right prefrontal cortex in recognition memory. *Neuroimage* 14:556-71
- Graeber D & Wengrow D (2022) Het begin van alles. Amsterdam: Maven publishing
- Graff-Radford NR, Bosch EP, Stears JC *et al.* (1986) Developmental Foix-Chavany-Marie syndrome in identical twins. *Ann Neurol* 20:632-5
- Graff-Radford NR, Welsh K, Godersky J (1987) Callosal apraxia. *Neurol* 37:100-5
- Grafman J, Salazar AM, Weingartner H *et al.* (1985) Isolated impairment of memory following a penetrating lesion of the fornix cerebri. *Arch Neurol* 42:1162-68
- Grafton ST, Arbib MA, Fadiga L *et al.* (1997) Premotor cortex activation during observation and naming of familiar tools. *Neuroimage* 6:231-6
- Graham FK, Ernhart C, Thurston D *et al.* (1962) Development three years after perinatal anoxia and other potentially damaging newborn experiences. *Psychol Monogr: Gen Appl* 76:1-53
- Graham AM, Pfeifer JH, Fisher PA *et al.* (2016) Early life stress is associated with default system integrity and emotionality during infancy. *JCPP* 56:1212-2
- Graham JM, Bashir AS, Stark RE *et al.* (1988) Oral and written language abilities of xxy boys: Implications for anticipatory guidance. *Pediatrics* 81:795-806
- Graham JM & Jones KL (2002, 5th ed) *Smith's Recognizable patterns of human malformation*. WB Saunders Cy, Philadelphia
- Graham FK & Jackson JC (1970) Arousal systems and infant heart rate responses. In: HW Reese and LP Lipsitt (eds) *Advances in Child Development en Behaviour*, vol 5. Academic Press, New York
- Graham PJ (1970) Psychiatric disorder in children with neuro-epileptic handicaps. *Rev de Neuropsychiat* 18:517-21
- Grahn JA & Rowe JB (2009) Feeling the beat: premotor and striatal interactions in musicians and nonmusicians during beat perception. *J Neurosci* 29:7540-48
- Graichen J (1983) Verschwinden Teilfunktionsschwächen? *Z Kind Jugendpsychiat* 11: 355-62
- Grainger J, Dufau S, Montant M *et al.* (2012) Orthographic processing in baboons (Papio papio). *Science* 336:245-8
- Grandin T (1985) My experiences as an autistic child and review of selected literature. *J Orthomolecul Psychiat* 13:144-74
- Grandjean Ph, Weihe P, White RF *et al.* (1997) Cognitive deficit in 7-year-old children with prenatal exposure to methylmercury. *Neurotoxicol Teratol* 19:417-28

- Grant SGN (2019) The Synaptic Theory of Behavior and Brain Disease. *Cold Spring Harbor Symposia on Quantitative Biology*, 037887
- Grattan LM & Eslinger PJ (1992) Long-term psychological consequences of childhood frontal lobe lesion in patient DT. *Brain Cogn* 20:185–95
- Graveline ChJ, Mikulis DJ, Crawley AP *et al.* (1998) Regionalized sensorimotor plasticity after hemispherectomy fMRI evaluation. *Pediatr Neurol* 19:337–42
- Gray JA (1987) *The psychology of fear and stress* (2nd ed) Cambridge Un Press, Cambridge
- Gray J A & McNaughton N (2000) The neuropsychology of anxiety: An enquiry into the functions of the septo-hippocampal system (2nd ed.), Oxford: Oxf Un Press
- Gray PH, O'Callaghan MJ, Harvey JM *et al.* (1999) Placental pathology and neurodevelopment of the infant with intrauterine growth restriction. *DMCN* 41:16–20
- Gray RM, Jordan CM, Ziegler RS *et al.* (2002) Two sets of twins with selective mutism: Neuropsychological findings. *Child Neuropsychol* 8:41–51
- Graziano M & Gross C (1994) The representation of extrapersonal space: a possible role for bimodal tactile neurons. In: MS Gazzaniga (ed) *The cognitive neurosciences*. MIT Press London, ppp 1021–1034
- Green J (1990) Is Asperger's a syndrome? *DMCN* 32:743–747
- Green J (2002) Annotation: Attachment disorganisation and psychopathology: new findings in attachment research and their potential implications for developmental psychopathology in childhood. *JCPP* 43:835–46
- Green V (ed., 2003) *Emotional development in psychoanalysis, attachment theory and neuroscience. Creating connections*. New York: Brunner-Routledge
- Green J & Garg S (2018) Ann Res Rev: The state of autism intervention science: progress, target psychological and biological mechanisms and future prospects. *JCPP* 59: 424–43
- Green JT, Ivry RB, Woodruff-Pak DS (1999) Timing in eyeblink classical conditioning and timed-interval tapping. *Psychol Sci* 10:19–23
- Green A (1992) A propos de l'observation des bébés. *J Psychanal l'Enfant* 12:133–52
- Green RE, Pääbo S *et al.* (2010) A draft sequence of the Neandertal genome. *Sci* 328:710–22
- Green RE, Krause J, Briggs AW *et al.* (2010). A Draft Sequence of the Neandertal Genome. *Science*, 328:710–22
- Greene K, Irwin SL, Gelfand AA (2019) Pediatric Migraine: An Update. *Neurol Clin* 37:815–33
- Greene T, Ernhart CB, Ager J *et al.* (1991) Prenatal alcohol exposure and cognitive development in the preschool years. *Neurotox Teratol* 13:57–68
- Greenfield P (1991) Language, tools and the brain: The ontogeny and phylogeny of hierarchically organized sequential behavior. *Beh Brain Sci* 14:531–95
- Greenough WT & Juraska JM (ed 1986) *Developmental neuropsychobiology*. Acad Press Inc, Orlando
- Greenspan RJ (2001) The flexible genome. *Nat Rev Genet*. 2:383–7
- Greer T & Lockman JJ (1998) Using writing instruments: invariances in young children and adults. *Child Dev* 69:888–902
- Gregory AM (2017) Editorial: The conundrums of human development—implications for the study of child and adolescent disorder. *JCPP* 58:749–752
- Gregory AM & Sadeh A (2016) Sleep problems *+in childhood psychiatric disorders – a review of the latest science. *JCPP, Ann Res Rev* 57:296–317
- Gregory RL & Zangwill OL (1987) *The Oxford companion to the mind*. Oxford University Press, Oxford
- Greven CU, Bralten J, Mennes M *et al.* (2016a) Developmentally stable whole-brain volume reductions and developmentally sensitive caudate and putamen volume alterations in those with attention-deficit/hyperactivity disorder and their unaffected siblings. *JAMA Psychiat*. 72:490–9
- Greven CU, Lionetti F, Booth C *et al.* (2019) Sensory Processing Sensitivity in the context of Environmental Sensitivity: A critical review and development of research agenda. *Neurosci & Biobehav Rev* 98:287–305
- Greven CU, Merwood A, Van der Meer MJM *et al.* (2016b) The opposite end of the attention deficit hyperactivity disorder continuum: genetic and environmental aetiologies of extremely low ADHD traits. *JCPP* 57:523–31
- Grewel F (1947) *Paedagogische verwaarlozing en opvoedingsfouten*. Purmerend : J Muusses
- Grewel F (1955) *Over verschillende typen van infantiel autisme en over pseudo-autistische kinderen*. In *Infantiel autisme*. Purmerend : J Muusses
- Grewel F (1959) Problemen rond de infantiele encefalopathieën. *Maandschr Kindergeren*. 27:378
- Grewel F (1962) Kinderen met leermoeilijkheden. Medisch-psychologische beschouwingen over “domme” schoolkinderen. *NtvG* 106:2808–14
- Grewel F (1975) The Alculias. In: PJ Vinken and GW Bruyn (eds) *Handbook of clinical neurology. vol 4 Disorders of speech, perception and symbolic function*. Elsevier Science Publ, Amsterdam pp 181–94
- Grieco J, Pulsifer M, Seligsohn K *et al.* (2015). Down syndrome: Cognitive and behavioral functioning across the lifespan. *Am J Med Genet Part C* 169C:135–149
- Griffin S (1999) *What Her Body Thought. A Journey Into The Shadows*. New York: Harper-Collins.
- Griffith H & Davidson M (1966) Long-term changes in intellect and behavior after hemispherectomy. *J Neurol neurosurg Psychiat* 29:571
- Grigsby JP, Kemper MB & Hagerman RJ (1987) Developmental Gerstmann syndrome without aphasia in fragile X syndrome. *Neuropsychol* 25:881–91
- Grimm H (2003) Störungen der Sprachentwicklung: Grundlagen—Ursachen—Diagnose—Intervention—Prävention. Göttingen: Hogrefe
- Grimm S, Beck J, Schuepbach D *et al.* (2008). Imbalance between Left and Right Dorsolateral Prefrontal Cortex in Major Depression Is Linked to Negative Emotional Judgment: An fMRI Study in Severe Major Depressive Disorder. *Biol Psychiat*, 63: 369–76
- Grimshaw GM, Bryden MP, Finegan JK (1995) Relations between prenatal testosterone and cerebral lateralization in children. *Neuropsychol* 9:68–70
- Grinter EJ, Van Beek PL, Maybery MT *et al.* (2009) Brief report: visuospatial analysis and self-related autistic-like traits. *J Autism Dev Disord* 39:670–7
- Grodzinsky Y & Amunts K (eds, 2006) *Broca's Region*. Oxford Un. Press, New York
- Groen SE, De Blécourt ACE & Postema K & Hadders-Algra M (2005) General movements in early infancy predict neuromotor development at 9 to 12 years of age. *DMCN* 47:731–38
- Groenman AP, Hornstra R, Hoekstra PJ *et al.* (2022) An Individual Participant Data Meta-analysis: Behavioral Treatments for Children and Adolescents With Attention-Deficit/Hyperactivity Disorder. *JAACAP* 61:144–58
- Groenendaal F & de Vries LS (2017) Fifty years of brain imaging in neonatal encephalopathy following perinatal asphyxia. *Pediatr Res* 81:150–5
- Grohnfeldt M (1986) *Störungen der Sprachentwicklung*. Marhold, Berlin
- Grohs M, Reynolds JE , Dewey D *et al.* (2018) Corpus callosum microstructure is associated with motor function in preschool children. *NeuroImage* 183:828–35
- Grondin S (2020) *The perception of time*. Routledge, New York
- Grönholm EO, Roll MC, Horne MA *et al.* (2015) Predominance of caudate nucleus lesions in acute ischaemic stroke patients with impairment in language and speech. *Eur J Neurol* 23:148–53
- Grothoff E, Jamin H & de Beer-Hoefnagels E (2009) *Spel in psychotherapie: Theorie, technieken toepassing*. Assen: Kon. Van Gorcum
- Gropman A & Samango-Sprouse CA (2013) Neurocognitive variance and neurological underpinnings of the X and Y chromosomal variations. *Am J Med Genet C Semin Med Genet*. 163C:35–43
- Grossmann KE & Grossmann K (2005) Universality of Human Social Attachment as an Adaptive Process. In: Carter CS, Ahnert L, Grossmann KE, *et al.* (eds) *Attachment and bonding: A new synthesis*. Cambridge, Mass: The MIT Press; pp. 199–229. Dahlem Workshop Report 92.
- Gross-Tsur V, Landau YE, Benarroch F *et al.* (2001) Cognition, attention, and behavior in Prader-Willi syndrome. *J Child Neurol* 16:288–90
- Gross-Tsur V, Shalev RS, Manor O *et al.* (1995) Developmental right-hemisphere syndrome: Clinical spectrum of the nonverbal learning disability. *J Learn Disab* 28:80–6
- Grunau RE, Whitfield MF & Davis C (2002) Pattern of learning disabilities in children with extremely low birth weight and broadly average intelligence. *Arch Pediatr Adolesc Med* 156:615–20

- Grunwald M (2008) Human haptic perception. Basics and Applications. Basel: Birkhauser Verlag
- Grüneberg B & Remschmidt H (1984) Störungen der sozialen Wahrnehmung bei Kindern mit minimaler cerebraler Dysfunktion (mcd) *Z Kind Jugendpsychiat* 12:33–52
- Grüsser OJ (1984) Face recognition within the reach of neurobiology and beyond it. *Human Neurobiol* 3:183–90
- Grüter M (2004) *Genetik der kongenitalen prosopagnosie*. Dissertation, Univ Münster
- Grygiel P, Dolata R, Humenny G *et al.* (2024) Depressive symptoms and loneliness among early adolescents: a psychometric network analysis approach. *JCPP* 65:199–214
- Gualtieri CT, Koriath U & Bourgondien van M (1983) Language disorders in children referred for psychiatric services. *JAACAP* 22:165–71
- Guang S, Pang N, Deng X *et al.* (2018). Synaptopathology involved in autism spectrum disorder. *Front Cell Neurosci* 12:470
- Gubbay SS (1975) *The clumsy child. Major problems in neurology* 5. Saunders, London
- Gubbay SS (1978) The management of developmental apraxia. *DMCN* 20:643–46
- Gubbay SS (1979) The clumsy child. In: FC Rose (ed) *Pediatric Neurology*. Blackwell, London, pp 145–60
- Guedeney N & Guedeney A (2002) *L'attachement. Concepts et applications*. Paris: Masson
- Guedeney N & Guedeney A (eds, 2009) *L'attachement. Approche théorique*. Paris: Masson
- Guerreiro MM, Andermann E, Guerrini R *et al.* (2000) Familial perisylvian polymicrogyria: A new familial syndrome of cortical maldevelopment. *Ann Neurol* 48:39–48
- Guerreiro MM, Hage SRV, Guimaraes CA *et al.* (2002) Developmental language disorder associated with polymicrogyria. *Neuro* 59:245–50
- Guilford JP (1967) *The nature of human intelligence*. McGraw-Hill, New York
- Guilleminault C (ed 1987) *Sleep and its disorders in children*. Raven Press, New York
- Guilleminault C & Brooks SN (2001) Excessive daytime sleepiness. A challenge for the practising neurologist. *Brain* 124:1482–91
- Guilmatre A, Dubourg C, Mosca AL *et al.* (2009) Recurrent rearrangements in synaptic and neurodevelopmental genes and shared biologic pathways in schizophrenia, autism, and mental retardation. *Arch Gen Psychiat* 66:947–56
- Guimarães EL, Cunha AB, Soares DA *et al.* (2013) Reaching behavior in preterm infants during the first year of life: a systematic review. *Mot Control* 17:340–54
- Gunderson CH & Solitare GB (1968) Mirror movements in patients with the Klippel-Feil syndrome. *Arch Neurol* 18:675–9
- Gunn A, Cory E, Atkinson J *et al.* (2002) *Dorsal and ventral stream sensitivity in normal development and hemiplegia*. *Neuroreport* 13:843–7
- Gunnar MR, Brodersen L, Nachmias M, Buss K & Rigatuso J (1996) Stress reactivity and attachment security. *Devel Psychobiol* 29:191–2041
- Gunnar MR, DePasquale CE, Reid BM *et al.* (2019) Pubertal stress recalibration reverses the effects of early life stress in postinstitutionalized children. *PNAS* 116:23984–23988
- Gunter HL, Ghaziuddin M & Ellis HD (2002) Asperger syndrome: Tests of right hemisphere functioning and interhemispheric communication. *J Autism Dev Dis* 32:263–81
- Guntupalli JS, Feilong M & Haxby JV (2018) A computational model of shared fine-scale structure in the human connectome. *PLoS Comput Biol* 14:e1006120
- Gur RC, Schroeder L, Turner T *et al.* (2002) Brain activation during facial emotion processing. *Neuroimage* 16:651–62
- Gur RG, Turetsky BI, Matsui M *et al.* (1999) Sex differences in brain gray and white matter in healthy young adults: Correlations with cognitive performance. *J Neurosci* 19:4065–4072
- Gurfinkel VS & Levick YS (1991) Perceptual and automatic aspects of the postural body scheme. In: J Paillard (ed) *Brain and space*. Oxford UK: Oxford Un Press, pp 147–62
- Gurfinkel, 1991heme. In: J Paillard (ed) *Brain and space*. Oxford University Press, Oxford, pp 147–62
- Gusnard *et al.* (2001) Medial prefrontal cortex and self-referential mental activity: Relation to a default mode of brain function. *PNAS* 98: 4259–64
- Guterstam A, Björnsdotter M, Gentile G *et al.* (2015). Posterior Cingulate Cortex Integrates the Senses of Self-Location and Body Ownership. *Curr Biol*, 25:1416–25
- Guyton AC (1987) *Basic neuroscience. Anatomy and physiology*. Saunders, Philadelphia
- Guzmán-Porras JJ, Espitia Segura OM, Gómez Diaz LV (2024) Recognizing red flags for alternative diagnoses in pediatric chorea beyond Sydenham's. *Brain Dev*. Sep 23:S0387-7604(24)00120-7
- Guzzetta A, Fazzi B, Mercuri E *et al.* (2001) Visual function in children with hemiplegia in the first years of life. *DMCN* 43:321–9
- Guzzetta F, Mercuri E, Spanò M *et al.* (2000) Congenital lesions of the cerebellum. In: D Riva & A Benton (eds) *Localization of brain lesions and developmental functions*. John Libbey & Cy, Eatleigh, England, pp 145–50
- Guzzetta F, Shackelford GD, Volpe S *et al.* (1986) Periventricular intraparenchymal echodensities in the premature newborn: Critical determinant of neurologic outcome. *Pediatr* 78:995–1006
- H**
- Haaland KY & Harrington DL (1992) Motor sequencing with left hemisphere damage. *Brain* 115:857–74
- Haaland KY & Harrington DL (1996) Hemispheric asymmetry of movement. *Curr Opinion Neurobiol* 6:796–800
- Haaxma R & Kuypers HGJM (1975) Intrahemispheric cortical connexions and visual guidance of hand and finger movements in the rhesus monkey. *Brain* 98:239–60
- Haber SN (2011) Neuroanatomy of Reward: A View from the Ventral Striatum. In: Gottfried JA (ed). *Neurobiology of Sensation and Reward*. Boca Raton (FL): CRC Press/Taylor & Francis
- Habib M (1986) Visual hypoemotionality and prosopagnosia associated with right temporal lobe isolation. *Neuropsychol* 24:577–82
- Habib M (1989) *Bases neurologiques des comportements*. Masson, Paris
- Habib M (2000) The neurological basis of developmental dyslexia - An overview and working hypothesis. *Brain* 123:2373–99
- Habib M (2018) *La constellation des dys*. 2e Ed. Louvain-la-Neuve: De Boeck Supérieur
- Habib M, Gayraud D, Oliva A *et al.* (1991) Effects of handedness and sex on the morphology of the corpus callosum: a study with brain magnetic resonance imaging. *Brain Cogn* 16, 41–61
- Habib M, Lardy V, Desiles T *et al.* (2016) Music and Dyslexia: A new Musical Training Method to Improve Reading and Related Disorders. *Front Psychol* 7:26
- Habib M, Touze F & Galaburda AM (1990) Intrauterine Factors in Sinistrality: A Review. In: S Coren (ed) *Left-handedness Behavioral Implications and Anomalies*. Elsevier Science Publishers, Amsterdam, 99-128
- Hack M, Taylor HG, Schluchter M *et al.* (2009) Behavioral Outcomes of Extremely Low Birth Weight Children at Age 8 Years. *J Dev Behav Pediatr*. 30:122–30
- Hadders-Algra M (2002) Two distinct forms of minor neurological dysfunction: perspectives emerging from a review of data of the Groningen Perinatal Project. *DMCN* 44:561–71
- Hadders-Algra M (2010) *Examination of the Child with Minor Neurological Dysfunction*, 3rd ed. London: Mac Keith Press
- Hadders-Algra M (2010a) Variation and variability: key words in human motor development. *Phys Ther* 90:1823–37
- Hadders-Algra M (2013) Typical and atypical development of reaching and postural control in infancy. *DMCN* 55: 5–8
- Hadders-Algra M (2014) Early diagnosis and early intervention in cerebral palsy. *Front Neurol* 5:185
- Hadders-Algra M (2022) Emerging signs of autism spectrum disorders in infancy: Putative neural substrate. *DMCN* 64:1344–50
- Hadders-Algra M & Groothuis AMC (1999) Quality of general movements in infancy is related to neurological dysfunction, ADHD, and aggressive behaviour. *DMCN* 41:381–91
- Hadders-Algra M, Huisjes HJ & Touwen BCL (1988a) Perinatal correlates of major and minor neurological dysfunction at school age: a multivariate analysis. *DMCN* 30:472-81
- Hadders-Algra M, Huisjes HJ & Touwen BCL (1988b) Perinatal risk factors and minor neurological dysfunction: significance for behaviour and school achievement at nine years. *DMCN* 30:482-91
- Hadders-Algra M, Huisjes HJ & Touwen BCL (1988c) Preterm or small-for-gestational-age infants. Neurological and behavioural development at the age of 6 years. *Eur J Pediatr* 147:460-7
- Hadders-Algra M, Touwen BCL, Huisjes HJ (1986) *Preterm or small for gestational age: a*

- neurological follow-up at six years. Abstracts Conference, Groningen. Science Publishers, Amsterdam, pp 99–128
- Hadders-Algra M, Touwen BCL & Huisjes HJ (1986) Neurologically Deviant Newborns: Neurological and Behavioural Development at the age of six years. *DMCN* 28:569–78
- Haddow J, Palomaki G, Allan WC *et al.* (1999) Maternal thyroid deficiency during pregnancy and subsequent neuropsychological development of the child. *New Engl J Med* 341:549–55
- Hadjikhani N & de Gelder B (2002) Neural basis of prosopagnosia: An fMRI study. *Hum Brain Mapping* 16:176–82
- Haeckel E (1897) *The evolution of man: A popular exposition of the principle points of human ontogeny and phylogeny*. New York, NY: D. Appleton & Co
- Hagberg BA (1989) Rett syndrome: clinical peculiarities, diagnostic approach and possible cause. *Pediatr Neurol* 5:75–83 (Review)
- Hagberg B, Hagberg G & Olow I (1984) The changing panorama of cerebral palsy in Sweden iv. Epidemiological trends 1959–1978. *Acta Paediatr Scand* 73:433–40
- Hagelthorn KM, Brown WS, Amano S *et al.* (2000) Normal development of bilateral field advantage and evoked potential interhemispheric transmission time. *Dev Neuropsychol* 18:11–31
- Hagen JW & Hale GA (1973) The development of attention in children. In: Pick AD (ed) *Minnesota Symposia on Child Psychology, vol 7*. University of Minnesota Press, Minneapolis
- Hagen JW (1967) A developmental study of task-relevant and task-irrelevant information processing under distracting and non-distracting conditions. *Child Dev* 38:685–94
- Hagenauer MH, Perryman JL, Lee TM *et al.* (2009) Adolescent changes in the homeostatic and circadian regulation of sleep. *Dev Neurosci* 31:276–84
- Hagerman RJ (1989) Chromosomes, genes and autism. In: C Gillberg (Ed) *Diagnosis and treatment of autism*. Plenum Press, New York
- Hagerman RJ, Amiri K, Cronister A (1991) Fragile X checklist. *Am J Med Gen* 38:283–287
- Haggard P & Wolpert DM (2005) Disorders of the body schema. In: Freund H-J *et al.* (eds) *Higher-order motor disorders*. Oxford UK: Oxford Un Press, pp 261–71
- Hagoort P (2019) *Human language. From genes and brains to behavior*. London: The MIT Press
- Hagoort P (2005) On Broca, brain, and binding: a new framework. *TICS* 9:416–23
- Hahn A, Pistohl J, Neubauer BA *et al.* (2001) Atypical 'benign' partial epilepsy or pseudo-Lennox syndrome. Part I: Symptomatology and long-term prognosis. *Neuropediatr* 32:1–8
- Hähnel M & Knaup M (Hrsg. 2013) *Leib und Leben Perspektiven für eine neue Kultur der Körperlichkeit*. Darmstadt: WBG
- Haines C (2003) Sequencing, coordination and rhythm ability in young children. *Child: Care, Health Dev* 29:395–409
- Hakkara H & Hakamies L (1978) Piracetam in the treatment of post-concussional syndrome. A double-blind study. *Eur Neurol* 17:50–5
- Halberstadt-Freud HC (1983) *Psycho-Diagnostiek met kinderen*. Swets and Zeitlinger, Lisse
- Hale GA & Morgan JS (1973) Developmental trends in children's component selection. *J Exp Child Psychol* 15:302–314
- Hall ET (1969) *The hidden dimension*. Anchor-book; Doubleday & Cy, Garden City, New York
- Hall D (1989) Delayed speech in children. *Brit Med J* 49:7–8
- Hall D & Aram DM (1996) Classification of developmental language disorders. In: Rapin I (ed) *Preschool children with inadequate communication*. Clin Dev Med 139. MacKeith Press, London, pp 10–20
- Hallam S (2017) The impact of making music on aural perception and language skills: A research synthesis. *London Rev Edu* 15: 388–406
- Hallett M, Aybek S, Dworetzky BA *et al.* (2022) functional neurological disorder: new subtypes and shared mechanisms. *Lancet Neurol* 21:537–50
- Halligan PW & Marshall JC (1994) *Spatial neglect: position papers on theory and practice*. Lawrence Erlbaum Ass Publ, Hove, pp 240
- Hallihan PW & David AS (2001) Cognitive neuropsychiatry: towards a scientific psychopathology. *Neurosci* 21:209–15
- Halperin JM, Sharma V, Siever LJ *et al.* (1997) Age-related changes in the association between serotonergic function and aggression in boys with ADHD. *Biol Psychiat* 41:682–9
- Halsband U, Schmitt J, Weyers M *et al.* (2001) Recognition and imitation of pantomimed motor acts after unilateral parietal and premotor lesions: A perspective on apraxia. *Neuropsychol* 39:200–16
- Halverson HM (1931) An experimental study of prehension in infants. *Genet psychol monogr* 10:110–286
- Hämäläinen JA, Rupp A, Soltész F *et al.* (2012). Reduced phase locking to slow amplitude modulation in adults with dyslexia: an MEG study. *NeuroImage* 59:2952–61
- Hamberg WJM, Kunkeler WP & Rost H (1996) Spelen en taal. *TvOrthopedag* 35: 76–85
- Hamilton AF (2009) Research review: Goals, intentions and mental states: challenges for theories of autism. *JCPP* 50:881–92
- Hamilton JL, Tsypes A, Zelazny J *et al.* (2023) Sleep influences daily suicidal ideation through affective reactivity to interpersonal events among high-risk adolescents and young adults. *JCPP* 64:27–38
- Hammock MK & Milhorat ThH (1981) *Cranial computed tomography in infancy and childhood*. Williams and Wilkins, Baltimore
- Hamilton LS (2025) Converging and conflicting evidence for left temporal lobe regions in acoustic-phonetic perception. *Brain* 148:1055–7
- Hammond GR (ed 1990) *Cerebral control of speech and limb movements*. North Holland, Amsterdam. pp 688
- Hammond GR (1990) Manual performance asymmetries. In: Hammond GE (ed) *Cerebral control of speech and limb movements, Advances in Psychology* 70, GE Stelmach en PA Vroom (eds), Elsevier Science Publishers BV North Holland, Amsterdam, pp 59–77
- Hammond G (2002) Correlates of human handedness in primary motor cortex: a review and hypothesis. *Neurosci & Biobehav Rev* 26:285–920
- Hamstra-Blet E (1993) *Het handschrift: ontwikkeling en beoordeling*. Thesis, VU, Amsterdam
- Hanakawa T, Immisch I, Toma K, *et al.* (2003) Functional properties of brain areas associated with motor execution and imagery. *J Neurophysiol* 89:989–1002
- Hanefeld F, Holzbach U, Kruse B *et al.* (1993) Diffuse white matter disease in three children: an encephalopathy with unique features of imaging and proton magnetic resonance spectroscopy. *Neuropediatr* 24:244–8
- Hanlon RE, Mattson D, Demery JA *et al.* (1998) Axial movements are relatively preserved with respect to limb movements in aphasic patients. *Cortex* 34:731–41
- Hannagan T, Ziegler JC, Dufau S *et al.* (2014) Deep learning of orthographic representations in baboons. *PLoS One*. 9:e84843
- Hannonen R, Tupola S, Ahonen T *et al.* (2003) Neurocognitive functioning in children with type-1 diabetes with and without episodes of severe hypoglycaemia. *DMCN* 45:262–8
- Hanson VL (1989) Phonology and reading: Evidence from profoundly deaf readers. In: Shankweiler D. and Liberman I.Y. (eds). *Phonology and reading disability*. Solving the reading puzzle. IARLD Monograph Series 6. Ann Arbor, The University of Michigan Press pp 69–89
- Hanss J, Veuillet E, Adjout K *et al.* (2009) The effect of long-term unilateral deafness on the activation pattern in the auditory cortices of French-native speakers: influence of deafness side. *BMC Neurosci* 10:23
- Hanten G, Zhang L & Levin HS (2002) Selective learning in children after traumatic brain injury: a preliminary study. *Child Neuropsychol* 8:107–120
- Happé F (2011) Criteria, Categories, and Continua: Autism and Related Disorders in DSM-5. *JAACAP* 50:540–42
- Happé F, Ehlers S, Fletcher P *et al.* (1996) 'Theory of mind' in the brain. Evidence from a PET scan study of Asperger syndrome. *Neuroreport* 8:197–201
- Hardan AY, Minshew NJ, Harenski K *et al.* (2001) Posterior fossa magnetic resonance imaging in autism. *JAACAP* 40:666–72
- Hardan AY, Minshew NJ & Keshavan MS (2000) Corpus callosum size in autism. *Neurol* 55:1033–6
- Hardee JE, Phaneuf C, Cope L *et al.* (2020) Neural correlates of inhibitory control in youth with symptoms of food addiction. *Appetite* 148:104578
- Hardyck C & Petrino LF (1977) Left-handedness. *Psych Bull* 84:385–404
- Harika-Germeneau G, Heit D, Chatard A *et al.* (2020) Transcranial direct current stimulation: An open label study. *Brain Behav*. doi: 10.1002/brb3.1648
- Harlow HF & Zimmermann RR (1959) Affective responses in the infant monkey; orphaned baby monkeys develop a strong and persistent attachment to inanimate surrogate mothers. *Sci* 130:421–32

- Harlow HF, Dodsworth R & Harlow HK (1965) Total social isolation in monkeys. *Proc Natl Acad Sci USA* 54:90–97
- Harmand S, Lewis JE, Feibel CS *et al.* (2015) 3.3-million-year-old stone tools from Lomekwi 3, West Turkana, Kenya. *Nature* 521:310–15
- Harnadek CS & Rourke BP (1994) Principal identifying features of the syndrome of non-verbal learning disabilities in children. *J Learning Dis* 27:144–54
- Harper KA (2017) Psychoanalysis as an Interdisciplinary Science: From 19th Century Neuropsychology to Modern Neuropsychanalysis. Toronto: York University
- Harrington A (1985) Nineteenth-century ideas on hemisphere differences and 'duality of mind'. *Behav Brain Sci* 8:617–60
- Harrington DL, Haaland KY & Hermanowicz N (1998) Temporal processing in the basal ganglia. *Neuropsychology* 12:3–12
- Harrington DL, Haaland KY & Knight RT (1998) Cortical networks underlying mechanisms of time perception. *J Neurosci* 18:1085–95
- Harris DB (1963) *Goodenough-Harris Drawing Test*. Harcourt, Brace & World
- Harris IM, Egan GF, Sonkkila C *et al.* (2000) Selective right parietal lobe activation during mental rotation. *Brain* 123:65–73
- Harris JC (1995) *Developmental neuropsychiatry. Assessment, diagnosis, and treatment of developmental disorders*. Vol. II. Oxford Univ Press, New York, pp 596
- Harris JC (1995) *Developmental neuropsychiatry. Vol I*. Oxford Univ Press, New York, pp 272
- Harris JC (2001) *Self-injurious behaviour in neurogenetic disorders*. Symp. Behav. phenotypes. 8th Russian Nat Congress 'Man and Drug' Moscow, 5 April 2001.
- Harris NS, Courchesne E, Townsend J *et al.* (1999) Neuroanatomic contributions to slowed orienting of attention in children with autism. *Cogn Brain Res* 8:61–71
- Harrison J (2001) *Synaesthesia – The strangest Thing*. New York: Oxford Un. Press
- Harris-Warrick RM (2000) Ion channels and receptors: molecular targets for behavioral evolution. *J Comp Physiol* 186:605–16
- Harrop C, Tomaszewski B, Putnam O *et al.* (2024) Are the diagnostic rates of autistic females increasing? An examination of state-wide trends. *JCPP* 65:973–83
- Hart S (2008) Brain, Attachment, Personality. An introduction to neuroaffective development. London: Karnac Books
- Hart de Ruyter Th & Kamp LNJ (1972) *Hoofdlinden van de kinderpsychiatrie*. Van Loghum Slaterus, Deventer
- Harter MR (1987) *Separate verbal memory and naming deficits in attention deficit disorder and reading disability (study)*. Acad Press, New York
- Hartmann H, Orlando EM, Borja K *et al.* (2024) Cognitive Control: Exploring the causal role of the rTPJ in empathy for pain mediated by contextual information, *Soc Cogn Affect Neurosci*, nsae057
- Hartono B (2001) *The influence of iodine deficiency during pregnancy on neurodevelopment from birth to two years*. Thesis, Free University, Amsterdam
- Hartono B, Djokomoeljanto R, Njiokiktjien C *et al.* (2005) The influence of iodine deficiency during pregnancy on child neurodevelopment 0-24 months of age in East Java, Indonesia. *Neurol Asia* 10:113–24
- Harvey DHP & Marsh RW (1978) The effects of de-caffeinated coffee versus whole coffee on hyperactive children. *DMCN* 20:81–6
- Harvey JM, O'Callaghan MJ & Mohay H (1999) Executive function of children with extremely low birthweight: A case control study. *DMCN* 41:292–7
- Harwood-Nash D & Fitz CR (1976) Congenital malformations of the brain. In: *Neuroradiology in infants and children*. Mosby, St Louis pp 998–1053
- Hasegawa I, Fukushima T, Ihara T *et al.* (1998) Callosal window between prefrontal cortices – cognitive interaction to retrieve long-term memory. *Sci* 281:814–18
- Hashimoto T, Taoka M, Obayashi S *et al.* (2013) Modulation of cortical vestibular processing by somatosensory inputs in the posterior insula. *Brain Inj*, 27:1685–91
- Hashimoto T, Tayama M, Miyazaki M *et al.* (1992) Reduced midbrain and pons size in children with autism. *Tokushima J Exp Med* 38:15–8
- Hashimoto T, Tayama M, Mori K *et al.* (1989) Magnetic resonance imaging in autism: Preliminary report. *Neuropediatr* 20:142–6
- Haslam RHA, Dalby JT, Johns RD *et al.* (1981) Cerebral asymmetry in developmental dyslexia. *Arch Neurol* 38:679–82
- Hatanaka T, Shuto H, Yasuhara A *et al.* (1988) Ipsilateral and contralateral recordings of auditory brainstem responses to monaural stimulation. *Pediatr Neurol* 4:354–7
- Hattum van M (1986) Een zwakzinnig kind; een andere kant van het ouderschap. Intro, Nijkerk
- Hauk O, Johnsrude I & Pulvermüller F (2004) Somatotopic representation of action words in the motor and premotor cortex. *Neuron* 41:301–7
- Hauschild S, Kasper LA, Berning A *et al.* (2023) The relationship between epistemic stance, mentalizing, paranoid distress and conspiracy mentality: an empirical investigation. *Res Psychother.* 26:706
- Hauser M, Chomsky N, Fitch WT (2002) The Faculty of Language: What Is It, Who Has It, and How Did It Evolve? *Science*, 298:1569–79
- Hauser SL, DeLong GR, Rosman NP (1975) Pneumographic findings in the infantile autism syndrome. A correlation with temporal lobe disease. *Brain* 98:667–88
- Häusler MG, Ramaekers VTH, Reul J *et al.* (1998) Early and late onset manifestations of cerebral vasculitis related to varicella zoster. *Neuropediatr* 29:202–7
- Hausmann M, Waldie KE & Corballis MC (2003) Developmental changes in line bisection: A result of callosal maturation? *Neuropsychol* 17:155–60
- Haverkamp F, Heep A & Woelfle J (2002) Psychomotor development in children with early diagnosed giant interhemispheric cysts. *DMCN* 44:556–60
- Haverkamp F, Kuczaty S & Mayer H (2001) Interiktale epilepsietypische EEG-Aktivität. Risiko für transitorische oder permanente kognitive Einbuszen? *Monatsschr Kinderheilkd* 149:1168–73
- Havlicek V, Childiaeva R & Chernick V (1977) EEG frequency spectrum characteristics of sleep states in infants of alcoholic mothers. *Neuropädiat* 4:360–73
- Haxby JV, Gobbini MI, Furey ML *et al.* (2001) Distributed and overlapping representations of faces and objects in ventral temporal cortex. *Sci* 293:2425–30
- Hay L & Velay J-L (2003) Interhemispheric relationships in 4- to 14-year-old children pointing to lateral targets. *NeuroReport* 14:1041–4
- Hayes JP, Bigler ED, Verfaellie M (2016) Traumatic Brain Injury as a Disorder of Brain Connectivity. *JINS* 22:120–37
- Hayiou-Thomas ME, Carroll JM, Leavett R *et al.* (2017) When does speech sound disorder matter for literacy? The role of disordered speech errors, co-occurring language impairment and family risk of dyslexia. *JCPP* 58:197–205
- Hazdenar MM, Buchsbaum MS & Metzger M (1997) Anterior cingulate gyrus volume and glucose metabolism in autistic disorder. *Am J Psychiat* 154:1047–50
- He BJ & Raichle ME (2009) The fMRI signal, slow cortical potential and consciousness. *Trends Cogn Sci* 13:302–9
- He T (2019) A Review of the *Study of Time Perception*. *Adv in Psychol* 9:1290–97
- Head H & Holmes G (1911–1912) Sensory disturbances from cerebral lesions. *Brain* 34:102–245
- Healey JM, Liederman J & Geschwind N (1986) Handedness is not a unidimensional trait. *Cortex* 22:33–53
- Hearne LJ, Dean RJ, Robinson GA *et al.* (2019) Increased cognitive complexity reveals abnormal brain network activity in individuals with corpus callosum dysgenesis. *Neuroimage Clin* 21:101595
- Heaton P, Hermelin B & Pring L (1998) Autism and pitch processing – a precursor for savant musical ability. *Music Percept* 15:291–305
- Heaton P, Williams K, Cummins O *et al.* (2008a) Autism and pitch processing splinter skills: a group and subgroup analysis. *Autism* 12:203–19
- Heaton P, Davis RE, Happe FG (2008b) Research note: exceptional absolute pitch perception for spoken words in an able adult with autism. *Neuropsychol.* 46:2095–8
- Hebb DO (1980) *Essay on mind*. Lawrence Erlbaum Associates Publ Hillsdale, New Jersey
- Hécaen H (1976) Acquired aphasia in children and the ontogenesis of hemispheric functional specialization. *Brain Lang* 3:114–34
- Hécaen H & Albert ML (1978) *Human Neuropsychology*. John Wiley & Sons, New York
- Hécaen H, Angelergues R & Houillier S (1961) Les variétés cliniques des acalculies au cours des lésions rétrorolandiques: Approche statistique du problème. *Rev Neurol* 105:85–103

- Hécaen H & De Ajuriaguerra J (1963) *Les Gauchers. Prévalence manuelle et dominance cérébrale*. puf, Paris
- Hécaen H & Lanteri-Laura G (1977) *Evolution des connaissances et des doctrines sur les localisations cérébrales*. Bibliothèque Neuropsychiatrique de Langue Française, Desclée de Brouwer, France
- Hécaen H & Marcie P (1974) Disorders of written language following right hemisphere lesions: Spatial dysgraphia. In: Dimond SJ & Beaumont JG (eds) *Hemisphere function in the human brain*. Elek Science, London, pp 345–66
- Hécaen H, Perenin MT & Jeannerod M (1984) The effects of cortical lesions in children: language and visual functions. In: Almlí CR & Finger S (eds) *Early Brain Damage. vol I Research orientations and clinical observations*. Ac Press, Inc New York, pp 277–96
- Hécaen H & Piercy M (1956) Paroxysmal dysphasia and the problem of cerebral dominance. *J Neurol Neurosurg Psychiatr* 19:194–201
- Hécaen H & Sauguet J (1971) Cerebral dominance in left-handed subjects. *Cortex* 7:19–48
- Hechtman L, Weiss G & Perlman T (1984) Young adult outcome of hyperactive children who received long-term stimulant treatment. *JAACAP* 23:261–69
- Hechtman L, Weiss G, Perlman T *et al.* (1984) Hyperactives as young adults: initial predictors of adult outcome. *JAACAP* 23:250–60
- Hechtman L, Weiss G & Perlman T (1984) Hyperactives as Young Adults: Past and Current Substance Abuse and Antisocial Behavior. *Am J Orthopsychiat* 54:415–25
- Hecox KE (1988) Language development: A sensory development and signal processing perspective. In: F Plum (ed) *Language, communication, and the brain*. Raven Press, New York, pp 77–86
- Hecox KE, Cone B & Blaw ME (1981) Brainstem auditory evoked response in the diagnosis of pediatric neurologic diseases. *Neurol* 31:832–39
- Hecox K & Hogan K (1982) Auditory evoked potentials in the language impaired child. In: A Rothenberger (ed) *Event-Related Potentials in Children*. Elsevier Biomedical Press, Amsterdam, pp 99–116
- Hedman A, Breithaupt L, Hübel C *et al.* (2019). Bidirectional relationship between eating disorders and autoimmune diseases. *JCPP* 60:803–12
- Heimar L, Van Hoesen GW, Trimble M & Zahm DS (2008) *Anatomy of Neuropsychiatry. The new anatomy of the basal forebrain and its implications for neuropsychiatric illness*. Elsevier, Amsterdam
- Heintz C & Scott-Phillips Th (2022) Expression unleashed: The evolutionary & cognitive foundations of human communication. *Behav Brain Sci* 05 Jan:1–46
- Heffner TG, Seiden LS & Heller A (1984) The ontogeny of locomotor behavior following lesions of brain dopamine neuronal projections in the neonatal rat. In: Almlí CR & Finger S (eds) *Early Brain Damage. vol I Research orientations and clinical observations*. Ac Press Inc, New York, pp 83–107
- Heilman K (1979) The neuropsychological basis of skilled movement in man. In: MS Gazzaniga (ed) *Handbook of Behavioral Neurobiology, 2 Neuropsychology*. Plenum Press, New York, pp 447–60
- Heilman KM & Adams DJ (2003) Callosal neglect. *Arch Neurol* 60:276–9
- Heilman KM, Bowers D, Valenstein E *et al.* (1986) The right hemisphere: Neuropsychological functions. *J Neurosurg* 64:693–704
- Heilman KM, Bowers D & Watson RT (1984) Pseudoneglect in a patient with partial callosal disconnection. *Brain* 107:519–32
- Heilman KM, Meador KJ & Loring DW (2000) Hemispheric asymmetries of limb-kinetic apraxia. A loss of dexterity. *Neurol* 55:523–6
- Heilman KM, Rothi LJ & Valenstein E (1982) Two forms of ideomotor apraxia. *Neurol* 32:342–6
- Heilman KM, Scholes R & Watson RT (1975) Auditory affective agnosia. *J Neurol Neurosurg Psychiatr* 38L69–72
- Heilman KM & Valenstein E (1979) Mechanisms underlying hemispatial neglect. *Ann Neurol* 5:166–70
- Heilman KM & Valenstein E (eds 1993) *Clinical Neuropsychology*. Oxford University Press, New York
- Heilman KM & Van Den Abell T (1979) Right hemisphere dominance for mediating cerebral activation. *Neuropsychol* 17:315–21
- Heilman KM & Van Den Abell T (1980) Right hemispheric dominance for attention: the mechanism underlying hemispheric asymmetries of attention. *Neurologia* 30:327–30
- Heilman KM, Voeller K & Alexander AW (1996) Developmental dyslexia: A motor-articulatory feedback hypothesis. *Ann Neurol* 39:407–12
- Heim C & Nemeroff CB (1999) The impact of early adverse experiences on brain systems involved in the pathophysiology of anxiety and affective disorders. *Biol Psychiat* 46:1509–22
- Heim S, Grande M, Meffert E *et al.* (2010) Cognitive levels of performance account for hemispheric lateralisation effects in dyslexic and normally reading children. *Neuroimage* 53:1346–58
- Heinzel A, Bermpohl F, Niese R *et al.* (2005) How do we modulate our emotions? Parametric fMRI reveals cortical midline structures as regions specifically involved in the processing of emotional valences. *Cogn Brain Res* 25:348–58
- Heinzel A & Northoff G (2014) The Relationship of Self-Relatedness and Emotional Processing. *J Consciousness Stud* 21:30–48
- Heinzen EL, Swoboda KJ, Hitomi Y *et al.* (2012) De novo mutations in ATP1A3 cause alternating hemiplegia of childhood. *Nature Genetics* 44: 1030–4
- Heiss W-D, Kessler J, Thiel A *et al.* (1999) Differential capacity of left and right hemispheric areas for compensation of poststroke aphasia. *Ann Neurol* 45:430–8
- Helenius P, Salmelin R, Richardson U *et al.* (2002) Abnormal auditory cortical activation in dyslexia 100 msec after speech onset. *J Cognit Neurosci* 14:603–17
- Helfgott E, Rudel RG & Kairam R (1986) The effect of piracetam on short- and long-term verbal retrieval in dyslexic boys. *Int J Psychophysiol* 4:53–61
- Hellebrekers DMJ, Doorenweerd N, Sweere DJJ *et al.* (2020) Longitudinal follow-up of verbal span and processing speed in Duchenne muscular dystrophy. *Eur J Paed Neurol* 25:120–6
- Hellendoorn J (2005) Speltherapie. In: J Hermanns *et al.* (Eds) *Handboek jeugdzorg. Deel 2: Methodieken en programma's*. Houten: Bohn Stafleu Van Loghum
- Helles A, Gillberg CI, Gillberg C *et al.* (2014) Asperger syndrome in males over two decades: stability and predictors of diagnosis. *JCPP* 56:711–18
- Hellige JB (ed 1983) *Cerebral Hemisphere asymmetry. Method, theory, and application*. Praeger, New York
- Hellige JB (1993) *Hemispheric asymmetry: what's right and what's left*. Harvard Un Press, Cambridge, Mass, pp 396
- Hellige JB & Michimata C (1989) Visual laterality for letter comparison: Effects of stimulus factor, response factor, and metacontrol. *Bull Psychonomic Soc* 27:441–4
- Hellige JB, Zatzkin JL & Wong TM (1981) Inter-correlation of laterality indices. *Cortex* 17:129–34
- Hellige JB & Webster R (1979) Right hemisphere superiority for initial stages of letter processing. *Neuropsychol* 17:653–60
- Hellström A, Lang H & Portin R (1997) Tone duration discrimination in Parkinson's disease. Note. *Neuropsychol* 35:737–40
- Hellyer PJ, Jachs B, Leech R *et al.* (2015) Local inhibitory plasticity tunes global brain dynamics and allows the emergence of functional brain networks. *Neuroimage* 124A:85–95
- Hemmer SA, Pasternak JF, Zecker SG *et al.* (2001) Stimulant therapy and seizure risk in children with ADHD. *Pediatr Neurol* 24:99–102
- Hempel MS (1993) *The neurological examination for toddler-age*. Thesis, Groningen, pp 232
- Henderson M, Grosz PG, Graham KE *et al.* (2025) Shared semantics: Exploring the interface between human and chimpanzee gestural communication. *Mind & Lang*. online
- Henderson SE & Sugden DA (2007) *Movement Assessment Battery for Children; 2nd Ed. Examiners manual*. London: Harcourt Assessment
- Hendren RL, De Backer I & Pandina GJ (2000) Review of neuroimaging studies of child and adolescent psychiatric disorders from the past 10 years. *JAACAP* 39:815–28
- Hendricks G, Malcolm-Smith S, Adnams C *et al.* (2019) Effects of prenatal alcohol exposure on language, speech and communication outcomes: a review longitudinal studies. *Acta Neuropsychiatr* 31:74–83
- Hendriks M, Dernison R, Vugs B *et al.* (2016) in: Swaab *et al.* (red.) *Klinische kinderneuro-psychologie*. Meppel: Boom
- Hendriks M, Kessels K, Gorissen M *et al.* (2014) Neuropsychologische diagnostiek. De klinische praktijk. Boom uitg, Amsterdam
- Hendriksen JGM, Feron FJM, Nijoktjien C *et al.* (2000) Het effect van clonidine en methylfenidaat bij kinderen met een aandachtstekortstoornis en hyperactiviteit. *Tijdschr Kinder-geneesk* 68:94–9

- Hendriksen JGM, Klinkenberg S, Collin Ph *et al* (2016) Diagnosis and treatment of obsessive compulsive behavior in a boy with Duchenne muscular dystrophy and autism spectrum disorder: A case report. *Neuromusc Dis.* 26:659–61
- Hendriksen JGM, Peijnenborgh JCAW, Aldenkamp AP *et al.* (2015) Diagnostic overshadowing in a population of children with neurological disabilities: A cross sectional descriptive study on acquired ADHD. *Eur J Paed Neurol* 19:521–4
- Henry RR, Satz P & Saslow E (1984) Early brain damage and the ontogenesis of functional asymmetry. In: Almlí CR & Finger S (eds) *Early Brain Damage. vol i Research orientations and clinical observations*. Ac Press, Inc New York, pp 253–74
- Hepper PG, Shahidullah S & White R (1991) Handedness in the human fetus. *Neuropsychol* 29:1107–11
- Herbert MR, Ziegler DA, Deutsch CK *et al.* (2003) Dissociations of cerebral cortex, subcortical and cerebral white matter volumes in autistic boys. *Brain* 126:1182–92
- Hermann BP, Black RB & Chhabria S (1981) Behavioral problems and social competence in children with epilepsy. *Epilepsia* 22:703–10
- Hermann BP, Dikmen S, Schwartz MS *et al.* (1982) Interictal psychopathology in patients with ictal fear: A quantitative investigation. *Neurol* 32:7–11
- Hermann HT, Sonnabend NL & Zeevi YY (1986) Interhemispheric coordination is compromised in subjects with developmental dyslexia. *Cortex* 22:337–58
- Hermann RP, Novak ChrB & Mackinnon SE (1996) Establishing normal values of moving two-point discrimination in children and adolescents. *DMCN* 38:255–61
- Herman J P, Prewitt CM & Cullinan WE (1996) Neuronal circuit regulation of the hypothalamo-pituitary-adrenocortical stress axis. *Crit Rev Neurobiol* 10:371–94
- Hermisdörfer J, Goldenberg G, Wachsmuth T & B *et al.* (2001) Cortical Correlates of Gesture Processing: Clues to the Cerebral Mechanisms Underlying Apraxia during the Imitation of Meaningless Gestures. *NeuroImage* 14:149–61
- Hermesen JJ (2009) Stil de tijd. *Pleidooi voor een langzame toekomst*. Amsterdam: De Arbeiderspers
- Hermesen JJ (2014) Kairos. *Een nieuwe belevingsheid*. Amsterdam: De Arbeiderspers
- Hermesen JJ (2020) *Ogenblik en eeuwigheid. Essays over kunst, filosofie en tijd*. Amsterdam: De Arbeiderspers
- Hermesen JJ (2023) Onder een andere hemel. Over heimwee & vertepijn. Amsterdam: Prometheus
- Herning RI, Jones RT & Hunt JS (1987) Speech event related potentials reflect linguistic content and processing level. *Brain Lang* 30:116–29
- Herrero M-T, Barcia C & Navarro JM (2002) Functional anatomy of thalamus and basal ganglia. *Child Nerv Syst* 18:386–404
- Herron J (ed 1980) *Neuropsychology of left-handedness*. Academic press, New York. pp 357
- Herruer JM (2019) Psychological aspects and predictors of satisfaction in facial cosmetic surgery. Proefschrift ISBN: 978-94-6361-176-3 (71-85)
- Herruer JM, Prins JB, van Heerbeek N *et al.* (2015) Negative predictors for satisfaction in patients seeking facial cosmetic surgery: a systematic review. *Plast Reconstr Surg*: 135:1596–605
- Herschkowitz N, Kagan J & Zilles K (1997) Neurobiological bases of behavioral development in the first year. Review. *Neuropediatr* 28:296–306
- Herskowitz J, Rosman P & Wheeler CB (1985) Colpocephaly: Clinical, radiologic, and pathogenetic aspects. *Neurol* 35:1594–98
- Hertzog ME (1981) Neurological 'soft' signs in low-birthweight children. *DMCN* 23:778–91
- Hertzog ME (1982) Stability and change in non-focal and neurological signs. *JAACAP* 21:231–36
- Hervé P-Y, Leonard G, Perron M *et al.* (2009) Handedness, motor skills and maturation of the corticospinal tract in the adolescent brain. *Hum Brain Mapp.* 30:3151–62
- Hervé, P-Y, Zago L, Petit L *et al.* (2013) Revisiting human hemispheric specialization with neuroimaging. *TICS* 17: 69–80
- Hespos SJ & Spelke ES (2004) Conceptual precursors to language. *Nature* 430:453–6
- Hetherington R, Dennis M & Spiegler B (2000) Perception and estimation of time in long-term survivors of childhood posterior fossa tumors. *J Int Neuropsychol Soc* 6:682–92
- Heus I, Weezenberg D, Severijnen S *et al.* (2020) Measuring treatment outcome in children with developmental coordination disorder: responsiveness of six outcome measures. *Disab Rehab* 1–12
- Heymans HAS, Derksen-Lubsen G, Draaisma JMTh *et al.* (eds. 2015) *Leerboek kindergeneeskunde*, 2e herziene ed.
- Hickok G, Buchsbaum B, Humphries C *et al.* (2003) Auditory-motor interaction revealed by fMRI: Speech, music, and working memory in area Spt. *J Cogn Neurosci* 15:673–82
- Hickok G & Poeppel D (2007) The cortical organization of speechprocessing. *Nat Rev Neurosci* 8:393–402
- Hicks RE & Kinsbourne M (1976) Human handedness: A partial cross-fostering study. *Sci* 192:908–10
- Hielkema T & Hadders-Algra M (2016) Motor and cognitive outcome after specific early lesions of the brain – a systematic review. *DMCN* 58: 46–52
- Hier DB & Crowley WF (1982) Spatial ability in androgen-deficient men. *N Engl J Med* 306:1202–5
- Hier DB, LeMay M, Rosenberger PB *et al.* (1978) Developmental dyslexia. *Arch Neurol* 35:90–92
- Hildebrandt H & Schwendemann C (2001) Tonic and phasic alertness – One or two right hemispheric cortico-subcortical networks? *Akt Neurol* 28:219–27
- Hill J, Dierker D, Neil J *et al.* (2010) Surface-based analysis of hemispheric asymmetries and folding of cerebral cortex in term-born human infants. *J Neurosci* 30:2268–76
- Hill A (1991) Current concepts of hypoxic-ischemic cerebral injury in the term newborn. *Ped Neurol* 7:317–25
- Hill A, Leland Melson G, Clark B *et al.* (1982) Hemorrhagic periventricular leukomalacia: Diagnosis by real time ultrasound and correlation with autopsy findings. *Pediatrics* 69:282–84
- Hill A & Volpe J (1985) Pathogenesis and management of hypoxic-ischemic encephalopathy in the term newborn. *Neurologic clinics* 3:31–45
- Hill A & Volpe J (eds 1989) *Fetal neurology. Internat Rev Child Neurol Series*. Raven Press, New York, pp 303
- Hill EL (1998) A dyspraxic deficit in specific language impairment and developmental coordination disorder? Evidence from hand and arm movements. *DMCN* 40:388–95
- Hill J (2002) Biological, psychological and social processes in the conduct disorders. *JCPP* 43:133–64
- Hille ETM, Ouden A den, Saigal S *et al.* (2001) Behavioural problems in children who weigh 1000 g or less at birth in four countries. *Lancet* 357:1641–3
- Hillebrandt J (1983) Perceptual organization of speech sounds by infants. *J Speech Hear Dis* 26:268–82
- Hillyard SA, Hink RF, Schwent VL *et al.* (1973) Electrical signs of selective attention in the human brain. *Sci* 182:177–80
- Hilton CB, Moser CJ, Bertolo M *et al.* (2022) Acoustic regularities in infant-directed speech and song across cultures. *Nat Hum Behav.* <https://doi.org/10.1038/s41562-022-01410-x>
- Himelstein J, Schulz KP, Newcorn JH *et al.* (2000) The neurobiology of attention-deficit hyperactivity disorder. *Frontiers Biosci* 5:461–78
- Hines M & Gorski RA (1984) Hormonal Influences on the Development of Neural Asymmetries. In: Benson DF & Zaidel E (eds) *The Dual Brain. Hemispheric Specialization in Humans*; 75–96. The Guilford Press, New York, London
- Hines RJ, Paul LK & Brown WS (2002) Spatial attention in agenesis of the corpus callosum: shifting attention between visual fields. *Neuropsychol* 40:1804–14
- Hinkley LBN, Marco EJ, Brown EG *et al.* (2016) The contribution of the corpus callosum to language lateralization. *J Neurosci* 36: 4522–33
- Hinshelwood J (1895) Word-blindness and visual memory. *Lancet* 2:1564–70
- Hinton SC, Mech WH, MacFall WH (1996) Peak Interval timing in humans activates fronto-striatal loops. *NeuroImage* 3:224
- Hirai M & Hiraki K (2005) An event-related potentials study of biological motion perception in human infants. *Cogn Brain Res* 22:301–4
- Hirose S, Nambu I & Naito E (2018) Cortical activation associated with motor preparation can be used to predict the freely chosen effector of an upcoming movement and reflects response time: An fMRI decoding study. *NeuroImage* 183:584–96
- Hirsh-Pasek K, Golinkoff RM, & Hollich G (2000). *An emergentist coalition model for word learning. Becoming a word learner: A*

- debate on lexical acquisition*, pp. 136–164. New York, NY: Oxf Un Press
- Hirshkowitz M, Whiton K, Albert SM *et al.* (2015). National Sleep Foundation's sleep time duration recommendations: Methodology and results summary. *Sleep Health* 1:40–3
- Hirvikoski T, Nordenström A, Lindholm, T *et al.* (2007) Cognitive functions in children at risk for congenital adrenal hyperplasia treated prenatally with dexamethasone. *J Clin Endocrinol Metab* 92:542–48
- Hiscock CK, Hiscock M, Benjamins D *et al.* (1989) Motor asymmetries in hemiplegic children: Implications for the normal and pathological development of handedness. *Dev Neuropsychol* 5:169–86
- Hiscock M & Kinsbourne M (1980) Asymmetries of selective listening and attention switching in children. *Dev Psychol* 16:70–82
- Hisgen R & van der Weel A (2023) De lezende mens. De betekenis van het boek voor ons bestaan. Amsterdam: atlas contact
- Hitch GJ, Halliday S, Schaafsma AM *et al.* (1988) Visual working memory in young children. *Memory. Cognition* 16:120–132
- Hlavacka F & Njikiktjen C (1985) Postural responses evoked by sinusoidal galvanic stimulation of the labyrinth. Influence of head position. *Acta Otolaryngol* 99:107–12
- Hlavacka F & Njikiktjen C (1986) Sinusoidal galvanic stimulation of the labyrinths and postural responses. *Physiol Bohemoslov* 35:63–70
- Ho HH & Eaves LC (1997) Kabuki make-up (Nikawa-Kuroki) syndrome: Cognitive abilities and autistic features. Case report. *DMCN* 39:487–90
- Hobson RP (1986) The autistic child's appraisal of expressions of emotion. *JCPP* 27:321–42
- Hobson RP (1991) Methodological issues for experiments on autistic individuals' perception and understanding of emotion. *JCPP* 32:1135–58
- Hobson RP, Ouston J & Lee A (1988) Emotion recognition in autism: Coordinating faces and voices. *Psychol Med* 18:911–23
- Hochman EY & Eviatar Z (2004) Does each hemisphere monitor the ongoing process in the contralateral one? *Brain Cogn* 55: 314–21
- Hodapp RM, Dykens EM, Hagerman RJ *et al.* (1990) Developmental implications of changing trajectories of IQ in males with fragile x syndrome. *JAACAP* 29:214–19
- Hoekzema E, van Steenbergen H, Straathof M *et al.* (2022) Mapping the effects of pregnancy on resting state brain activity, white matter micro-structure, neural metabolite concentrations and grey matter architecture. *Nature Comm.* online 13:6931
- Hoerl C & McCormack T (2018) Thinking in and about time: A dual systems perspective on temporal cognition. *Behav Brain Sci* 42:e244
- Hoes M (1996) Biologisch-psychiatrische aspecten bij epilepsie. *Episcrpt* 7:7–19
- Hofer MA (2014) The emerging synthesis of development and evolution: A new biology for psychoanalysis. *Neuropsychanalysis* 16:3–22
- Hoff E, Core C, Place S *et al.* (2012) Dual language exposure and early bilingual development. *J Child Lang* 39: 1–27
- Hoff GE, Van den Heuvel MP, Benders MJ *et al.* (2013) On development of functional brain connectivity in the young brain. *Front Hum Neurosci* 7:650
- Hoffer MA (1995) Hidden regulators: implications for a new understanding of attachment, separation and loss. In: Goldberg S, Muir R & Kerr J (eds) *Attachment Theory. Social, developmental and clinical perspectives*. The Analytic Press. Hillsdale, NJ, 203–32
- Hoffman EA & Haxby JV (2000) Distinct representations of eye gaze and identity in the distributed human neural system for face perception. *Nature Neurosci* 3:80–4
- Hoffmann F, Viding E, Puetz VB *et al.* (2018) Evidence for depressogenic spontaneous thoughts and altered resting-state connectivity in adolescents with a maltreatment history. *JAACAP* 57:687–69
- Hoffmann F, Linz R, Steinbeis N (2023) Children with maltreatment exposure exhibit rumination-like spontaneous thought patterns: association with symptoms of depression, subcallosal cingulate cortex thickness, and cortisol levels. *JCPP* 65:31–41
- Hoffmann MW & Bill PL (1992) The environmental dependency syndrome, imitation behaviour and utilisation behaviour as presenting symptoms of bilateral frontal lobe infarction due to moyamoya disease. *S Afr Med J* 81: 271–3
- Hoffman HJ & Epstein F (eds, 1986) *Disorders of the developing nervous system: diagnosis and treatment*. Blackwell, Oxford
- Hoffman P, Daniloff R, Bengoa D *et al.* (1985) Misarticulating and normally articulating children's identification and discrimination of synthetic r and w. *J Speech Hear Dis* 50:46–53
- Hoffmann-Riem M, Diener W, Benninger Chr *et al.* (2000) Nonconvulsive status epilepticus – A possible cause of mental retardation in patients with Lennox–Gastaut syndrome. *Neuropediatr* 31:169–74
- Hof-van Duin J van, Cioni G, Bertuccelli B *et al.* (1998) Visual outcome at 5 years of newborn infants at risk of cerebral visual impairment. *DMCN* 40:302–9
- Hof-van Duin van J & Mohn G (1984) Vision in the preterm infant. In: HFR Prechtl (ed) *Continuity of neural functions from prenatal to postnatal life*. Clin in Dev Med 94. SIMP, Blackwell, Oxford & Lippincott, Philadelphia, pp 93–114
- Hof van-Duin van J & Mohn G (1984) Visual defects in children after cerebral hypoxia. *Behav Brain* 14:147–55
- Hohnen B & Stevenson J (1999) The structure of genetic influences on general cognitive, language, phonological, and reading abilities. *Dev Psychol* 35:590–603
- Holail Mohamed A (2011) *Neurale correlaten van intensiteitsbewegingen: een functionele mri-studie*. Univ Gent 1–47
- Holdsworth L & Whitmore K (1974) A study of children with epilepsy attending ordinary schools. I. Their seizure patterns. Progress and behaviour in school. *DMCN* 16:746–58
- Holdsworth L & Whitmore K (1974) A study of children with epilepsy attending ordinary schools. II. Information and attitudes held by their teachers. *DMCN* 16:759–65
- Holland SK, Plante E, Byars AW *et al.* (2001) Normal fMRI brain activation patterns in children performing a verb generation task. *Neuroimage* 14:837–43
- Holmes GL (1986) Morphological and physiological maturation of the brain in the neonate and young child. *J Clin Neurophysiol* 3:209–38
- Holmes GL, McKeever M & Adamson M (1987) Absence seizures in children: Clinical and electroencephalographic features. *Ann Neurol* 21:268–73
- Holmes LB, Moser HW, Halldorsson S *et al.* (1972) *Mental Retardation. An atlas of diseases with associated physical abnormalities*. The Macmillan Company, New York
- Holopainen IE, Korpilahti P, Juottonen K *et al.* (1997) Attenuated auditory event-related potential (mismatch negativity) in children with developmental dysphasia. *Neuropediatr* 28:253–6
- Holtz A (1987) Die Entwicklungsdysphasie – sprachpathologisches Konzept oder psycholinguistisches Chaos? *Sprache – Stimme – Gehör* 11:21–26
- Holwerda-Kuipers J (1984) *De psychologische ontwikkeling van prematuur en van dysmatuur geboren kinderen*. Thesis, Krips Repro, Meppel
- Homae F, Watanabe H, Nakano T *et al.* (2006) The right hemisphere of sleeping infant perceives sentential prosody. *Neurosci Res* 54:276–80
- Hommet C, Billard C, Gillet P *et al.* (1999) Neuropsychologic and adaptive functioning in adolescents and young adults shunted for congenital hydrocephalus. *J Child Neurol* 14:144–50
- Honing H (2018a) *Aap slaat maat. Op zoek naar de oorsprong van muzikaliteit bij mens en dier*. Amsterdam: Nieuw Amsterdam
- Honing H (ed.) (2018b) *The Origins of Musicality*. Cambridge, Mass.: MIT Press
- Honma S, Kawamoto T, Takagi Y *et al.* (2002) Dec1 and Dec2 are regulators of the mammalian molecular clock. *Nature* 419:841–4
- Honzik M (1976) Value en limitations of infant tests: An overview. In: Lewis M (ed) *The origin of intelligence: Infancy en early childhood*. Plenum, New York, 59–95
- Hoogman M, Bralten J, Hibar DP *et al.* (2017) Subcortical brain volume differences in participants with attention deficit hyperactivity disorder in children and adults: a cross-sectional mega-analysis. *Lancet Psychiat* 4:310–9
- Hoon AH Jr, Lawrie WT Jr, Melhem ER *et al.* (2002) Diffusion tensor imaging of periventricular leukomalacia shows affected sensory cortex white matter pathways. *Neuro* 10:752–6
- Hoon AH Jr & Reiss AL (1992) The mesial-temporal lobe and autism: Case report and review. *DMCN* 34:252–65
- Hopkins B, Lems W, Janssen B *et al.* (1987) Postural and motor asymmetries in newly borns. *Hum Neurobiol* 6:153–6
- Hopkins B & Rönqvist L (1998) Human handedness: Developmental and evolutionary perspectives. In: F Simion and G Butterworth (eds) *The development of sensory, motor and cognitive capacities in early infancy: From perception to cognition*. Psychology Press, pp 191–236

- Hornak J, Bramham J, Rolls ET *et al.* (2003) Changes in emotion after circumscribed surgical lesions of the orbitofrontal and cingulate cortices. *Brain* 126:1691–712
- Hornstein OP, Rott H-D, Schwanitz G *et al.* (1974) Die XXY Variante des Klinefelter-Syndroms. *DMW* 6:248–51
- Horowitz SG, Braun AR, Carr WS *et al.* (2009) Decoupling of the brain's default mode network during sleep. *Proc PNAS* 106:11376–81
- Horowitz-Kraus T, Farah R, Hajinazarian A, *et al.* (2017) Maturation of brain regions related to the default mode network during adolescence facilitates narrative comprehension. *J Child Adol Behav* 5:328–36
- Horowitz-Kraus T, Meri R, Holland SK *et al.* (2024) Language First, Cognition Later: Different Trajectories of Subcomponents of the Future-Reading Network in Processing Narratives from Kindergarten to Adolescence. *Brain Connect.* 14:60–9
- Horváth K & Plunkett K (2016) Frequent daytime naps predict vocabulary growth in early childhood. *JCPP* 57:1008–17
- Hossein Fatemi S, Halt AR, Stary JM *et al.* (2001) Reduction in anti-apoptotic protein Bcl-2 in autistic cerebellum. *NeuroReport* 12:929–33
- Houghton DC, Stein DJ, Cortese BM *et al.* (2020) Review: Exteroceptive Sensory Abnormalities in Childhood and Adolescent Anxiety and Obsessive-Compulsive Disorder: A Critical Review. *JAACAP* 59:78–87
- Houghton S, Douglas G, West J *et al.* (1999) Differential patterns of executive function in children with Attention-Deficit Hyperactivity Disorder according to gender and subtype. *J Child Neurol* 14:801–5
- Houlston MJ, Dutton GN, Hajivassiliou C *et al.* (1999) Evidence of cognitive visual problems in children with hydrocephalus: a structured clinical history-taking strategy. *Dev Med Child Neurol* 41:298–306
- Hout van A, Evrard Ph & Lyon G (1985) On the positive semiology of acquired aphasia in children. *DMCN* 27:231–41
- Howard L & Polich J (1985) P300 Latency and memory span development. *Dev Psychol* 21:283–89
- Howard MA, Cowell PE, Boucher J *et al.* (2000) Convergent neuroanatomical and behavioural evidence of an amygdala hypothesis of autism. *NeuroReport* 11:2931–35
- Howe ML & Courage ML (1997) The emergence of early development of autobiographical memory. *Psychol Rev* 104:499–523
- Howell J & Dean E (1998) Fonologische articulatiestoornissen. Swets & Zeitlinger
- Howland A, Rasbury W, Heilman KM *et al.* (1975) The development of auditory figure-ground discrimination and ear asymmetry under monaural stimulus presentation. *DMCN* 17:325–32
- Hoyniak CP, Donohue MR, Quiñones-Camacho LE *et al.* (2023) Developmental pathways from preschool temper tantrums to later psychopathology. *Dev Psychopathol.* 35:1643–55
- Hu W, Fu X & Qian R (2012) Changes in the default mode network in the prefrontal lobe, posterior cingulate cortex and hippocampus of heroin users. *Neural Regen Res* 7:1386–91
- Hubbard EM, Piazza M, Pinel P *et al.* (2005) Interactions between number and space in parietal cortex. *Nat Rev Neurosci.* 6:435–48
- Hubel DH & Wiesel TN (1965) Binocular interaction in striate cortex of kittens reared with artificial squint. *J Neurophysiol* 28:1041–59
- Hübener M & Bonhoeffer T (2010) Searching for Engrams. *Neuron* 67:363–71
- Hübers A, Orekhov Y & Ziemann U (2008) Interhemispheric motor inhibition: its role in controlling electromyographic mirror activity. *Eur J Neurosci* 28:364–71
- Hublin C, Partinen M, Heinonen EH *et al.* (1994) Selegiline in the treatment of narcolepsy. *Neurol* 44:2095–2101
- Huffmeijer R, Alink, LRA, Tops M, *et al.* (2012) Asymmetric frontal brain activity and parental rejection predict altruistic behavior: Moderation of oxytocin effects. *Cogn Affect Beh Neurosci* 12:382–92
- Hugdahl K (ed 1988) *Handbook of dichotic listening: theory, methods and research.* Wiley, Chichester
- Hugdahl K & Andersson B (1989) Dichotic listening in 126 left-handed children: Ear advantages, familial sinistrality and sex differences. *Neuropsychol* 27:999–1006
- Hugdahl K, Gundersen H, Brekke C *et al.* (2004) fMRI brain activation in a Finnish family with specific language impairment compared with a normal control group. *J Speech Lang Hear Res* 47:162–72
- Hughes C (1998) Executive function in pre-schoolers: links with theory of mind and verbal ability. *Br J Dev Psychol* 16:233–53
- Hughes JR (1971) Electroencephalography and learning disabilities. In: HR Myklebust (ed), *Progress in Learning Disabilities, vol II.* Grune and Stratton, New York, pp 18–55
- Hughes JR (1978) Electroencephalographic and neurophysiological studies in dyslexia. In: AL Benton and D Pearl (eds) *Dyslexia. An appraisal of current knowledge.* Oxford Un Press, New York, pp 205–40
- Hughes JR & Park G (1968) The EEG in Dyslexia. In: P Kellaway and I Petersen (eds) *Clinical electroencephalography of children.* Stockholm, Almqvist Wisell, 307–27
- Huijbrechts S (2002) Attention and information processing in early- and continuously treated phenylketonuria. Thesis, Free University Amsterdam. Zie samenvatting in Nederlands artikel in *Neuropraxis* 3:74–8
- Huizinga J (1938, 2010) *Homo ludens. Proeve eener bepaling van het spel-element der cultuur.* Amsterdam: University Press
- Hull L, Petrides KV, Allison C, *et al.* (2017) "Putting on my best normal": social camouflaging in adults with autism spectrum conditions. *J Autism Dev Disord* 47:2519–34
- Hulme C, Biggerstaff A, Moran G *et al.* (1982) Visual, kinesthetic and cross-modal judgments of length by normal and clumsy children. *DMCN* 24:461–71
- Hulme C & Mackenzie S (1992) *Working memory and severe learning difficulties.* Lawrence Erlbaum Associates, Hove, UK, pp 141
- Hulme C & Roodenrys S (1995) Practitioner review: Verbal working memory development and its disorders. *JCPP* 36:373–98
- Hulme C, Smart A, Moran G *et al.* (1983) Visual, kinaesthetic and cross-modal development: relationships to motor skill development. *Perception* 12:477–83
- Hulme C, Thomson N, Muir C *et al.* (1984) Speech rate and the development of short-term memory span. *J Exp Child Psychol* 38:241–53
- Hunt A & Dennis J (1987) Psychiatric disorder among children with tuberous sclerosis. *DMCN* 29:190–98
- Huntjens RJC & Dorahy MJ (2017) Dissociatieve en dissociatieve identiteitsstoornis (DIS). In Scott R & en Kosslyn. S (eds. *Emerging Trends in the Social and Behavioral Sciences.* John Wiley & Sons
- Huntjens RJC, Verschuere B, McNally RJ (2012) Inter-Identity Autobiographical Amnesia in Patients with Dissociative Identity Disorder. *PLoS ONE* 7: e40580
- Huntjens RJC, Wessel I, Postma A, *et al.* (2015). Binding Temporal Context in Memory. *J Nerv Ment Dis,* 203:545–50
- Huottilainen M, Kujala A, Hotakainen M *et al.* (2003) Auditory magnetic responses of healthy newborns. *NeuroReport* 14:1871–5
- Huppertz H-J, Franck P, Schulze-Bonhage A (2002) Recurrent attacks of fear and visual hallucinations in a child. *J Child Neurol* 17:230–3
- Hüppi PS, Murphy B, Stephan E *et al.* (2001) Microstructural brain development after perinatal cerebral white matter injury assessed by diffusion tensor magnetic resonance imaging. *Pediatrics* 107:455–60
- Hüppi PS, Warfield S, Kikinis R *et al.* (1998) Quantitative magnetic resonance imaging of brain development in premature and mature newborns. *Ann Neurol* 43:224–35
- Hurks PM & Hendriksen JGM (2011) Retrospective and Prospective Time Deficits in Childhood ADHD: The Effects of Task Modality, Duration, and Symptom Dimensions. *Child Neuropsychol* 17:34–50
- Hurst JA, Baraitser M, Auger E *et al.* (1990) An extended family with a dominantly inherited speech disorder. *DMCN* 32:347–55
- Hurwitz TA, Wada JA, Kosaka BD *et al.* (1985) Cerebral organization of affect suggested by temporal lobe seizures. *Neurol* 35:1335–37
- Huss M, Dirks B, Gu J *et al.* (2018) Long-term safety and efficacy of guanfacine extended release in children and adolescents with ADHD. *Eur Child & Adolesc Psychiat* 27:1283–94
- Huss M, McBurnett K, Cutler AJ *et al.* (2019) Distinguishing the efficacy and sedative effects of guanfacine extended release in children and adolescents with attention-deficit/hyperactivity disorder. *Eur Neuropsychopharm* 29:432–43
- Hustvedt S (2009) *The shaking woman or a history of my nerves.* New York: Picador
- Hutsebaut J (2022) Persoonlijkheidsstoornissen. In Lindauer R & Staal W (red.. 2022) *Handboek Kinder- en jeugdpsychiatrie.* Amsterdam: Boom uitg.
- Hutto SK & Cavanagh JJ (2025) Advances in Diagnosis and Management of Atypical De-

- myelinating Diseases. *Med Clin North Am*. 109:425–41
- Hutsler JJ (2003) The specialized structure of human language cortex: Pyramidal cell size asymmetries within auditory and language-associated regions of the temporal lobe. *Brain Lang* 86:226–42
- Hutt C (1972) Neuroendocrinological, behavioural and intellectual aspects of sexual differentiation in human development. In: Ounsted C & Taylor DC (eds) *Gender differences, their ontogeny and significance*. Churchill Livingstone, London, pp 73–121
- Hutt SJ & Hutt C (1968) Stereotypy, arousal and childhood autism. *Hum Dev* 11:277–86
- Huttenlocher PR (1974) Dendritic development in neocortex of children with mental defect and infantile spasms. *Neurosci* 24:203–10
- Huttenlocher PR (1979) Synaptic density in human frontal cortex. Developmental changes and effects of aging. *Brain Res* 163:195–205
- Huttenlocher PR & Courten de Ch (1987) The development of synapses in striate cortex of man. *Human Neurobiol* 6:1–9
- Huttenlocher PR (1990) Morphometric study of human cerebral cortex development. *Neuropsychol* 28:517–27
- Huttenlocher PR & Dabholkar AS (1997) Regional differences in synaptogenesis in human cerebral cortex. *J Comp Neurol* 387:167–78
- Huysse C, Veltman DJ, de Haan E *et al.* (2009) Paediatric obsessive-compulsive disorder, a neurodevelopmental disorder? Evidence from neuroimaging. *Neurosci Biobehav Rev*. 33:818–30
- Hynd GW (1988) *Neuropsychological assessment in clinical child psychology*. Sage, publ Newbury Park
- Hynd GW, Hall J, Novey ES *et al.* (1995) Dyslexia and corpus callosum morphology. *Arch Neurol* 52:32–8
- Hynd GW, Hern KL, Novey ES *et al.* (1993) ADHD and asymmetry of the caudate nucleus. *J Child Neurol* 8:339–47
- Hynd GW & Obrzut JE (1981) *Neuropsychological assessment and the school-age child*. Grune and Stratton, New York
- Hynd GW, Semrud-Clikeman M, Lorys AR *et al.* (1990) Brain morphology in developmental dyslexia and attention deficit disorder/hyperactivity. *Arch Neurol* 47:919–26
- Hynd GW, Semrud-Clikeman M, Lorys AR *et al.* (1991) Corpus callosum morphology in attention deficit-hyperactivity disorder: Morphometric analysis of MRI. *J Learning Disab* 24:141–6
- Hynd GW & Semrud-Clikeman M (1989) Dyslexia and brain morphology. *Psychol Bull* 106:447–482
- Hysing M, Reichborn-Kjennerud T, Markestad T *et al.* (2019) Sleep Duration and Nocturnal Awakenings in Infants Born with Gestational Risk. *J Dev Behav Pediatr*. 40:192–9
- Hyvarinen J, Carlson S & Hyvarinen L (1981) Early visual deprivation alters modality of neuronal responses in area 19 of monkey cortex. *Neurosci Lett* 26: 239–43
- Iacoboni M, Koski LM, Brass M *et al.* (2001) Reafferent copies of imitated actions in the right superior temporal cortex. *Proc Nat Acad Sci USA* 98:13995–9
- Iacoboni M, Woods RP & Mazziotta JC (1998) Bimodal (auditory and visual) left frontoparietal circuitry for sensorimotor integration and sensorimotor learning. *Brain* 121:2135–43
- Iannuzzi S, Albaret J-M, Chignac C *et al.* (2015) Motor impairment in children with Neurofibromatosis type 1: Effect of the comorbidity with language disorders. *Brain Dev* 38:181–7
- ICD-9 (1994) *International classification of diseases, 9th revision, clinical modification, 4th ed.* Practice management Information Corporation, Los Angeles (zie ook 1022c)
- ICSD, MJ Satela (2014) *International Classification of Sleep Disorders*. CHEST 146:1387–94
- Ihori N, Kawamura M, Fukuzawa K *et al.* (2000) Somesthetic disconnection syndromes in patients with callosal lesions. *Eur Neurol* 44:65–71
- Iijima T, Witter MP, Ichikawa M *et al.* (1996) Entorhinal-hippocampal interactions revealed by real time imaging. *Sci* 272:1176–9
- Ijspeert AJ (2008) Central pattern generators for locomotion control in animals and robots: A review. *Neural networks*: 21:642–53
- Ilgen H, Israelashvili J, Fischer A (2021) Personal Nonverbal Repertoires in facial displays and their relation to individual differences in social and emotional styles. *Cogn & Emot* 35:999–1008
- Ilmoniemi RJ, Virtanen J, Ruohonen J *et al.* (1997) Neuronal responses to magnetic stimulation reveal cortical reactivity and connectivity. *Neuroreport* 8:3537–40
- Imadaa T, Zhang Y, Cheour M *et al.* (2006) Infant speech perception activates Broca's area: a developmental magnetoencephalography study. *Brain Imag* 17:957–62
- Inder TE, Huppi PS, Warfield S *et al.* (1999) Periventricular white matter injury in the premature infant is followed by reduced cerebral cortical gray matter volume at term. *Ann Neurol* 46:755–60
- Inglis J & Lawson JS (1981) Sex differences in the effects of unilateral brain damage on intelligence. *Sci* 212:693–95
- Inglis J & Lawson JS (1986) A principal components analysis of the Kaufman assessment battery for children (k-abc): Implications for the test results of children with learning disabilities. *J Learn Disab* 19:80–85
- Inglis J & Sykes DH (1967) Some sources of variation in dichotic listening performance in children. *J Exp Child Psychol* 5:480–488
- Ingram D (1975) Motor asymmetries in young children. *Neuropsychol* 13:95–102
- Ingram TTS (1959) Specific developmental disorders of speech in childhood. *Brain* 82:450–67
- Ingram TTS (1960) Pediatric aspects of specific developmental dysphasia, dyslexia and dysgraphia. *Cer Palsy Bull* 2:254–77
- Ingram TTS (1971) Developmental disorders of speech. In: PJ Vinken and GW Bruyn (eds) *Handbook of clinical neurology. vol 4* Elsevier, Amsterdam, pp 427–34
- Innocenti GM (1984) Role of axon elimination in the development of visual cortex. In: *Development of visual pathways in mammals*. Alan R Liss, New York, pp 243–53
- Innocenti GM (1986) General organization of callosal connections in the cerebral cortex. In: Jones EG & Peters A (eds) *Cerebral cortex*. Plenum Publ Corp, New York pp 291–353
- Innocenti GM (1994) Some new trends in the study of the corpus callosum. *Beh Brain Res* 64:1–8
- Innocenti GM (1995) CORTEX special number. *TINS* 18:371–424
- Innocenti GM (2007) Subcortical regulation of cortical development: some effects of early, selective deprivations. *Progress in Brain Research* 164:23–37
- Innocenti GM, Frost DO & Illes J (1985) Maturation of visual callosal connections in visually deprived kittens: a challenging critical period. *J Neurosci* 5:255–67
- Inozemtseva O, Matute E, Zarabozo D *et al.* (2002) Syntactic processing in Turner's syndrome. *J Child Neurol* 17:668–72
- Ionasescu V & Zellweger H (1983) *Genetics in neurology*. Raven Press, New York
- Insel TR (2003) Is social attachment an addictive disorder? *Physiol & Behav* 79:351–7
- Irvine KR, McCarty K, McKenzie KJ *et al.* (2018) Distorted body image influences body schema in individuals with negative bodily attitudes. *Neuropsychologia*
- Irwin K, Birch V, Lees J *et al.* (2001) Multiple subpial transection in Landau-Kleffner syndrome. *DMCN* 43:248–52
- Irwin SA, Patel B, Idupulapati M *et al.* (2001) Abnormal dentritic spine characteristics in the temporal and visual cortices of patients with fragile-x syndrome: a quantitative examination. *Am J Med Gen* 98:161–7
- Isaacs EB, Edmonds CJ, Lucas A *et al.* (2001) Calculation difficulties in children of very low birthweight: a neural correlate. *Brain* 124:1701–07
- Isenberg N, Silbersweig D, Engelien A *et al.* (1999) Linguistic threat activates the human amygdala. *Proc Natl Acad Sci USA* 96:10456–59
- Ishibashi R, Pobric G & Saito S (2016) The neural network for tool-related cognition: An activation likelihood estimation meta-analysis of 70 neuroimaging contrasts. *Cogn Neuropsychol* 33:241–56
- Ichikawa H, Miyajima T, Yamashita Y *et al.* (2020) Phase II/III study of lisdexamfetamine dimesylate in Japanese pediatric patients with attention-deficit/hyperactivity disorder. *J Child & Adol Psychopharm* 30:1–11
- Ishikawa T, Ogawa Y, Kanayama M *et al.* (1987) Long-term prognosis of asphyxiated full-term neonates with CNS complications. *Brain Dev* 9:48–53
- Ispanovic V, Meljac C & Bergès J (1982) Dyspraxiques, figuratif et semiotique. *Neuropsychiat Enfance* 30:657–70
- Ito Y, Teicher MH & Glod CA (1998) Preliminary evidence for aberrant cortical development in abused children – a quantitative EEG study. *J Neuropsychiat Clin Neurosci* 10:298–307
- Ivancovsky T, Baror S, Bar M (2023) A shared novelty-seeking basis for creativity and curiosity. *Behav Brain Sci*. Aug 7;1-61
- Iversen SD & Iversen LL (1981) *Behavioral pharmacology*, 2nd ed. Oxford Univ Press,

New York & Castiello U (eds) *Insights into the reach to grasp movement*. Elsevier Science BV, Amsterdam, pp 199–214

Ivry RB (2003) Cerebellar Involvement in Clumsiness and Other Developmental Disorders. *Neur Plast* 10:141–54

Ivry RB, Spencer RM, Zelaznik HN *et al.* (2002) The cerebellum and event timing. *Ann NY Ac Sci* 978:302–17

J

Jakab A, Molnár PP, Bogner P *et al.* (2012) Connectivity-based parcellation reveals inter-hemispheric differences in the insula. *Brain Topogr* 25:264–71

Jackson AC (2018) Chronic Neurological Disease Due to Methylmercury Poisoning. *Can J Neurol Sci* 45:620–3

Jacob F (1977) Evolution and tinkering. *Science* 196:1161–66

Jacobson L & Sapolsky R (1991) The role of the hippocampus in feedback regulation of the hypothalamic-pituitary-adrenocortical axis. *Endocrine Rev* 12:118–134

Jakobson LS, Servos P, Goodale MA *et al.* (1994) Control of proximal and distal components of prehension in callosal agenesis. *Brain* 117:1107–13

Jager I, de Koning P, Bost T *et al.* (2020) Misophonia: Phenomenology, comorbidity and demographics in a large sample. *PLoS One*. 5:e0231390

Jakab, A; Molnar, P; Bogner, P *et al.* (2011) Connectivity-based parcellation reveals inter-hemispheric differences in the insula". *Brain Topogr.* 25:264–71

Jamali M, Grannan B, Cai J, Khanna AR *et al.* (2024) Semantic encoding during language comprehension at single-cell resolution. *Nature* 631:610–6

Jambaqué I, Mottron L, Ponsot G *et al.* (1998) Autism and visual agnosia in a child with right occipital lobectomy. *J Neurol Neurosurg Psychiatr* 65:555–60

James ACD & Javaloyes AM (2001) Practitioner Review: The treatment of bipolar disorder in children and adolescent. *JCPP* 42:439–49

James W (1884) What is an emotion? *Mind* 9:188–205

James W (1890a) *The principles of psychology* (Vol. 1). New York: Holt.

Jan JE, Abroms IF, Freeman RD *et al.* (1994) Rapid cycling in severely multidisabled children: A form of bipolar affective disorder? *Pediatric Neurol* 10:34–9

Jan JE, Freeman RD & Fast DK (1999) Melatonin treatment of sleep–wake cycle disorders in children and adolescents. *DMCN* 41:491–500

Jan JE, Groenvelde M, Sykanda AM *et al.* (1987) Behavioural characteristics of children with permanent cortical visual impairment. *DMCN* 29:571–6

Jan JE, Kearney S, Groenvelde M *et al.* (1998) Speech, cognition, and imaging studies in congenital ocular motor apraxia. *DMCN* 40:95–9

Jäncke L, Loose R, Lutz K *et al.* (2000) Cortical activations during paced finger–tapping applying visual and auditory pacing stimuli. *Cognit Brain Res* 10:51–66

Jäncke L, Peters M, Himmelbach M *et al.* (2000) fMRI study of bimanual coordination. *Neuropsychologia* 38:164–74

Jäncke L, Wunderlich G, Schlaug G *et al.* (1997) A case of callosal agenesis with strong anatomical and functional asymmetries. *Neuropsychol* 35:1289–94

Janhanshahi M & Frith CD (1998) Willed action and its impairments. *Cogn Neuropsychol* 15:483–533

Janowsky JS & Finlay BL (1986) The outcome of perinatal brain damage: the role of normal neuron loss and axon retraction. *DMCN* 28:375–89

Jansen A, Voorwinde V, Hoebink Y *et al.* (2013). Ontevreden over uw lichaam? Voor de spiegel! En dan? Exposure aan wat eigenlijk. *Ge-dragstherapie*, 46:57–67

Jansen A, Voorwinde V, Hoebink Y *et al.* (2016) Mirror exposure to increase body satisfaction: Should we guide the focus of attention towards positively or negatively evaluated body parts? *J Behav Ther Exp Psychiat*, 50:90–6

Jansen, LMC (2022) The neurobiology of anti-social behavior in adolescence; current knowledge and relevance for youth forensic clinical practice. *Curr Opin Psychol*. 47:101356

Jansky J & de Hirsch K (1972) *Preventing reading failure—prediction, diagnosis, intervention*. Harper and Row, New York

Janszky J, Jokeit H, Heinemann D *et al.* (2003) Epileptic activity influences the speech organization in medial temporal lobe epilepsy. *Brain* 126:2043–51

Janz G (1978) Funktionelle Entspannung bei Kindern mit Konzentrationsstörung. *Praxis Kinderpsychol* 27:201–5

Janzen LA, Nanson JL & Block GW (1995) Neuropsychological evaluation of preschoolers with fetal alcohol syndrome. *Neurotoxicol Terat* 17:273–9

Jarvinen A, Lichtenstein P, D’Onofrio BM *et al.* (2024) Health, behavior, and social outcomes among offspring of parents with criminal convictions: a register-based study from Sweden. *JCPP* 65:1590–1600

Jason GW (1983) Hemispheric asymmetries in motor function: I. Left–hemisphere specialization for memory but not performance. *Neuropsychol* 21:35–45

Jason GW (1983) Hemispheric asymmetries in motor function: II. Ordering does not contribute to left–hemispheric specialization. *Neuropsychol* 21:463–81

Jason GW (1985) Manual sequence learning after focal cortical lesions. *Neuropsychol* 23:483–96

Jeannerod M (1983) *Le cerveau–machine. Physiologie de la volonté*. Fayard, Paris

Jeannerod M (1994) Development of reaching and grasping. Ch. 3 in: E. Fedrizzi *et al.* (eds) *Motor development in children*. London: John Libbey

Jeannerod M, Arbib MA, Rizzolatti G *et al.* (1995) Grasping objects: The cortical mechanisms of visuomotor transformation. *TINS* 18:314–20

Jeannerod M (2005) Levels of representation of goal-directed actions. In: H-J Freund *et al.* (eds)

Higher-order motor disorders. Oxford Un. Press, Oxford, UK, pp 159–80

Jeeves MA (1984) Functional and neuronal plasticity: the evidence from callosal agenesis. In: CR Almlil and S Finger (eds) *Early Brain Damage. vol i Research orientations and clinical observations*. Ac Press Inc, New York, pp 233–49

Jeeves MA (1986) Callosal agenesis: Neuronal and developmental adaptations. In: F Leporé, M Ptito and HH Jasper (eds) *Two hemispheres—one brain: Functions of the corpus callosum*. Alan R Liss Inc, New York, pp 403–21

Jeeves MA (1991) Stereo perception in callosal agenesis and partial callosotomy. *Neuropsychol* 29:19–34

Jeeves MA & Milner AD (1987) Specificity and plasticity in interhemispheric integration: Evidence from callosal agenesis. In: D Ottoson (ed) *Duality and unity of the brain. Unified functioning and specialization of the hemispheres*. The Macmillan Press, Ltd, Houndmills, UK, pp 416–41

Jeeves MA & Temple CM (1987) A further study of language function in callosal agenesis. *Brain Lang* 32:325–35

Jeeves MA, Silver PH & Milne AB (1988) Role of the corpus callosum in the development of a bimanual motor skill. *Dev Neuropsychol* 4:305–23

Jenkins WM, Merzenich MM, Ochs MT *et al.* (1990) Functional reorganization of primary somatosensory cortex in adult owl monkeys after behaviorally controlled tactile stimulation. *J Neurophysiol*. 63:82–104

Jennekens-Schinkel A & Jennekens F (2008) *Neuropsychologie van neurologische aandoeningen in de kindertijd*. Amsterdam: Boom Uitg.

Jennekens-Schinkel A, Lanser JBK, Jennekens FGI (2004) *Neuropsychologie van het kind*. Boom, Meppel

Jennekens-Schinkel A, Linschooten–Duikersloot EMEM, Bouma PAD *et al.* (1987) Spelling errors made by children with mild epilepsy: writing–to–dictation. *Epilepsia* 28:555–63

Jenness JL, Rosen ML, Sambrook KA *et al.* (2018) Violence exposure and neural systems underlying working memory for emotional stimuli in youth. *Dev & Psychopath* 30:1517–28

Jennische M & Sedin G (2001) Linguistic skills at 6.5 years of age in children who required neonatal intensive care in 1986–1989. *Acta Paediatr* 90:199–212

Jensen DR, Grames LM & Lieu JEC (2013) Effects of Aural Atresia on Speech Development and Learning Retrospective Analysis From a Multidisciplinary Craniofacial Clinic. *JAMA Otolaryngol Head Neck Surg*. 139:797–802

Jenssen–Hagerman RJ & Cronister Silverman A (1991) *Fragile X syndrome. Diagnosis, treatment and research*. The John Hopkins Univ Press, Baltimore.

Jeong A, Strahle J, Vellimana *et al.* (2017). Hemispherotomy in children with electrical status epilepticus of sleep. *J Neurosurg Pediatr* 19:56–62

- Jeret JS, Serur D, Wisniewski K *et al.* (1985–86) Frequency of agenesis of the corpus callosum in the developmentally disabled population as determined by computerized tomography. *Pediat Neurosci* 12:101–3
- Jernigan TL & Tallal P (1990) Late childhood changes in brain morphology observable with MRI. *DMCN* 32:379–85
- Jernigan TL, Trauner DA, Hesselink JR *et al.* (1991) Maturation of human cerebrum observed in vivo during adolescence. *Brain* 114:2037–49
- Jeste SS & Geschwind DH (2014) Disentangling the heterogeneity of autism spectrum disorder through genetic findings. *Nat Rev Neurol* 10:74–81
- Jeurissen B, Leemans A, Jones DK *et al.* (2011). Probabilistic fiber tracking using the residual bootstrap with constrained spherical deconvolution. *Hum Brain Mapp* 32:461–79
- Jiang J, Borowiak K, Tudge L *et al.* (2016) Neural Mechanisms of Eye Contact When Listening to Another Person Talking. *Soc Cogn Aff Neurosci Adn Acc.* 12:319–28
- Jiménez-Sánchez L, Blesa Cábez M, Vaher K *et al.* (2024) Infant attachment does not depend on neonatal amygdala and hippocampal structure and connectivity. *Dev Cogn Neurosci* 67: 101387
- Jo YH, Choi SH, Yoo HW *et al.* (2024) Clinical use of whole exome sequencing in children with developmental delay/intellectual disability. *Pediatr Neonatol.* 65:445–50
- Johansson RS (1996) Sensory control of dexterous manipulation in humans. In: A Wing, P Haggard & J Flanagan (eds) *Hand and brain. The neurophysiology and psychology of hand movements.* Acad Press, San Diego, 381–414
- Johansson M, Wentz E, Fernell E *et al.* (2001) Autistic spectrum disorders in Möbius sequence: A comprehensive study of 25 individuals. *DMCN* 43:338–45
- Johnson KA, Worbe Y, Foote KD *et al.* (2023) Tourette syndrome: clinical features, pathophysiology, and treatment. *Lancet Neurol.* 22:147–58
- Johnson MH (1997) *Developmental cognitive neuroscience.* Blackwell, Oxford
- Johnson SH, Corballis PM & Gazzaniga MS (2001) Within grasp but out of reach: Evidence for a double dissociation between imagined hand and arm movements in the left cerebral hemisphere. *Neuropsychol* 39:36–50
- Johnson VP, Swayze VW II, Sato Y *et al.* (1996) Fetal alcohol syndrome: Craniofacial and central nervous system manifestations. *Am J Med Genet* 61: 329–39
- Johnson MH & Karmiloff-Smith A (2004) Neuroscience perspectives on infant development. In: Bremner G & Slater A (eds) *Theories of Infant Development.* Oxford: Blackwell Publishing, pp. 121–44
- Johnsrude IS, Owen AM, Crane J *et al.* (1999) A cognitive activation study of memory for spatial relationships. *Neuropsychol* 37:829–41
- Johnston C, Prior M & Hay D (1984) Prediction of reading disability in twin boys. *DMCN* 26:588–95
- Johnston DW, Nicholls MER, Shah M *et al.* (2009) Nature's Experiment? Handedness and Early Childhood Development. *Demography* 46:281–301
- Johnston DW, Nicholls MER, Shah M *et al.* (2010) Handedness, Health and Cognitive Development: Evidence from Children in the NLSY. FIZA/ISL Discussion Paper Series No. 4774
- Johnston MV & Silverstein FS (1985–86) New insights into mechanisms of neuronal damage in the developing brain. *Pediat Neurosci* 12:87–89
- Johnston RB, Stark RE, Mellits ED *et al.* (1981) Neurological status of language-impaired and normal children. *Ann Neurol* 10:159–163
- Jolles DD, van Buchem MA, Crone EA *et al.* (2011) A Comprehensive Study of Whole-Brain Functional Connectivity in Children and Young Adults. *Cer Cortex* 21:385–91
- Jolles J (2018) *Het tienerbrein. Over de adolescent tussen biologie en omgeving.* Amsterdam: AUP
- Jones EG (1986) Corpus callosum – one system, two approaches. In F Lepore, M Ptito, HH Jasper (eds) *Two Hemispheres – One Brain. Functions of the corpus callosum,* Alan R Liss, Inc, New York, pp 149–66
- Jones KL, Smith DW, Ulleland CN *et al.* (1973) Pattern of malformation in offspring of chronic alcoholic mothers. *Lancet* 1:1267–71
- Jones LB, Rothbart M & Posner M (2003) Development of executive attention in preschool children. *Dev Sci* 5:498–504
- Jones W, Hesselink J, Courchesne E *et al.* (2002) Cerebellar abnormalities in infants and toddlers with Williams syndrome. *DMCN* 44:688–94
- Jones SS (2006). Exploration or imitation? The effect of music on 4-week-old infants' tongue protrusions'. *Infant Behaviour & Dev* 29:126–30
- Jones LA & Lederman SJ (2006) Human hand function. New York:Oxford Un Press
- Jones-Gotman M (1986) Right hippocampal excision impairs learning and recall of a list of abstract designs. *Neuropsychol* 24:659–70
- Jones-Gotman M & Milner B (1977) Design fluency: The invention of nonsense drawings after focal cortical lesions. *Neuropsychol* 15:653–74
- Jones-Gotman M & Zatorre RJ (1993) Odor recognition memory in humans: Role of right temporal and orbitofrontal regions. *Brain Cogn* 22:182–98
- Jongman-Sereno KP & Leary MR (2018) The enigma of being yourself: A critical examination of the concept of authenticity. *Rev Gen Psychol,*
- Joos K, De Ridder D, Boey RA *et al.* (2014) Functional connectivity changes in adults with developmental stuttering: a preliminary study using quantitative electro-encephalography. *Front Hum Neurosci* 8:783
- Joosen K Mesman J, Van IJzendoorn MH *et al.* (2012) Maternal sensitivity to infants in various settings predicts harsh discipline in toddlerhood. *Attach Hum Dev* 14:101–17
- Jordan R (2003) Social play and autistic spectrum disorders A perspective on theory, implications and educational approaches. *Autism* 7:347–60
- Jørgensen OS, Brøndum Nielsen K, Isager T *et al.* (1984) Fragile x-chromosome among child psychiatric patients with disturbances of language and social relationships. *Acta Psychiat Scand* 70:510–14
- Joseph HM, Lorenzo NE, Fisher N *et al.* (2023) Research Review: A systematic review and meta-analysis of infant and toddler temperament as predictors of childhood attention-deficit/hyperactivity disorder. *JCPP* 64:715–35
- Joseph R (1988) The right cerebral hemisphere: emotion, music, visual-spatial skills, body-image, dreams and awareness. *J Clin Psychol* 44:630–73
- Joseph R, Gallagher RE, Holloway W *et al.* (1984) Two brains one child: interhemispheric information transfer deficits and confabulatory responding in children aged 4, 7, 10. *Cortex* 20:317–31
- Josse G, Mazoyer B, Crivello F *et al.* (2003) Left planum temporale: an anatomical marker of left hemispheric specialization for language comprehension. *Brain Res Cogn* 18:1–14
- Josse G, Kherif F, Flandin G *et al.* (2009) Predicting Language Lateralization from Gray Matter. *J Neurosci* 29:13516–23
- Josse G, Seghier ML, Kherif F *et al.* (2008) Explaining Function with Anatomy: Language Lateralization and Corpus Callosum Size. *J Neurosci* 28:14132–9
- Josse G & Tzourio-Mazoyer N (2004) Hemispheric specialization for language. *Brain Res Rev* 44:1–12
- Jouandet M & Gazzaniga MS (1979) The frontal lobes. In: Gazzaniga MS (ed) *vol 2. Neuropsychology.* FA King (general ed) *Handbook of Behavioral Neurobiology.* Plenum Press, New York, pp 25–59
- Joyce A, Karmiloff-Smith A, Hill CM *et al.* (2015) A cross-syndrome study of the differential effects of sleep on declarative memory consolidation in children with neurodevelopmental disorders. *Dev Sci* 20:1–13
- Joynt RJ, Honch GW, Rubin AJ *et al.* (1985) Occipital lobe syndromes. In: PJ Vinken and GW Bruyn (eds) *Handbook of clinical neurology. vol 45: Clinical neuropsychology* (JAM Frederiks (ed). Elsevier Sci Publ, Amsterdam, pp 49–62
- Jóźwiak M, Pietrzak S & Tobjasz F (1997) The epidemiology and clinical manifestations of hamstring muscle and plantar foot flexor shortening. *DMCN* 39:481–3
- Jóźwiak S, Curatolo P, Kotulska K (2025) Intellectual disability and autistic behavior and their modifying factors in children with tuberous sclerosis complex. *Brain Dev.* 47:104322S
- Juffer F, Bakermans-Kranenburg MJ & Van IJzendoorn MH (2009) Attachment-based interventions: heading for evidence-based ways to support families. *ACAMH Occasional Papers,* 29:47–60
- Juffer F, Palacios J, LeMare L *et al.* (2011) Development of adopted children with histories of early adversity. In: McCall RB, van IJzendoorn MH,
- Juffer F *et al.* (Eds) *Children without permanent parents: Research, practice, and policy.* *Monogr Soc Res Child Dev* 76:31–61
- Juncker HG, Naninck EFG, Schipper L *et al.* (2022) Maternal stress in the postpartum pe-

riod is associated with altered human milk fatty acid composition. *Clin Nutr*. 41:2517–28

Junker FT & Grünbaum T (2024) Is the wandering mind a planning mind? *Mind & Lang* 2024:1–20

Jure R, Pogonza R & Rapin I (2016) Autism Spectrum Disorders (ASD) in Blind Children: Very High Prevalence, Potentially Better Outlook. *J Autism Dev Disord* 46: 749–59

Jure R, Rapin I & Tuchman RF (1991) Hearing-impaired autistic children. *DMCN* 33:1062–72

Jusczyk PW, Luce PA & Charles-Luce J (1994) Infants' sensitivity to phonotactic patterns in the native language. *J Mem Lang* 33:630–45

Just MA, Cherkassky VL, Keller TA *et al.* (2004) Cortical activation and synchronization during sentence comprehension in high-functioning autism: evidence of underconnectivity. *Brain* 127:1811–21

Just MA & Keller TA (2019) Converging measures of neural change at the microstructural, informational, and cortical network levels in the hippocampus during the learning of the structure of organic compounds. *Brain Struct Funct* 224:1345–57

Justus TC & Ivry RB (2001) The cognitive neuropsychology of the cerebellum. *Int Rev Psychiat* 13:276–282

K —————

Kadesjö B & Gillberg C (1998) Attention deficits and clumsiness in Swedish 7-year-old children. *DMCN* 40:796–804

Kadesjö Chr, Hägglöf B, Kadesjö B *et al.* (2003) Attention-deficit-hyperactivity disorder with and without oppositional defiant disorder in 3- to 7-year-old children. *DMCN* 45:693–9

Kadis DA, Pang EW, Mills T *et al.* (2011) Characterizing the normal developmental trajectory of expressive language lateralization using magnetoencephalography. *J Int Neuropsychol Soc* 17:896–904

Kaiser A, Bottelier MA, de Ruiter MB *et al.* (2021) Effects of prolonged methylphenidate treatment on amygdala reactivity and connectivity: a randomized controlled trial in stimulant treatment-naïve, male participants with ADHD. *Psychoradiology*. 22: 152–63

Kaiser M-L, Schoemaker MM, Albaret J-M *et al.* (2015) What is the evidence of impaired motor skills and motor control among children with attention deficit hyperactivity disorder (ADHD)? Systematic review of the literature. *Res Dev Disab* 36:338–57

Kaga M, Shindo M & Kaga K (2000) Long-term follow-up of auditory agnosia as a sequel of herpes encephalitis in a child. *J Child Neurol* 15:626–29

Kagan J (1966) Reflection–Impulsivity, the generality and dynamics of conceptual tempo. *J Abn Psychol* 71:17–24

Kagan J (1977) The determinants of attention in the infant. In: IL Janis (ed) *Current trends in psychology*. Kaufmann, Los Altos, California, pp 103–10

Kagan J, Rasman BL, Day D *et al.* (1964) Information processing in the child: Significance of analytic and reflective attitudes. *Psychol Monogr* 78 (whole no 578)

Kagan J, Reznick JS, Snidman N (1988) Biological bases of childhood shyness. *Sci* 240:167–71

Kahneman D (1973) *Attention and effort*. Prentice–Hall, Englewood Cliffs, New Jersey

Kahrs BA, Jung WP & Lockman JJ (2012) Motor origins of tool use. *Child Dev*. 84:810–6

Kaiser J, Lutzenberger W, Preissl H *et al.* (2000) Right-hemisphere dominance for the processing of sound-source lateralization. *J Neurosci* 20:6631–9

Takebeek TH, Jongmans MJ, Dubowitz LMS *et al.* (1993) Some aspects of the reliability of Touwen's examination of the child with minor neurological dysfunction. *DMCN* 35:1197–205

Káldy Z & Leslie AM (2003) Identification of objects in 9-month-old infants: integrating 'what' and 'where' information. *Dev Sci* 6:360–73

Kalff AC, de Sonnevill LMJ, Hurks P *et al.* (2003) Low and high-level controlled processing in executive motor control tasks in 5/6-year-old children at risk of ADHD. *J Child Psychol Psychiat* 44:1049–57

Kalivaart H (2019) *Body-relatedness in somatic symptom disorder. De verhouding tot het eigen lichaam bij somatische-symptoomstoornissen*. Proefschrift, Univ. Utrecht

Kallman HJ & Massarc DW (1983) Backward masking, the suffix effect, and preperceptual storage. *J Exp Psych Learn Memory Cognition* 9:312–27

Kalverboer AF (1975) A neurobehavioural study in pre-school children. *Clin Dev Med* no 54

SIMP, Heinemann, London and Lippincott, Philadelphia

Kamali A, Sair HI, Radmanesh A *et al.* (2014a) Decoding the superior parietal lobule connections of the superior longitudinal fasciculus/arcuate fasciculus in the human brain". *Neurosci*. 277:577–83

Kamali A, Flanders AE, Brody J *et al.* (2014)b Tracing superior longitudinal fasciculus connectivity in the human brain using high resolution diffusion tensor tractography. *Brain Struct & Funct*. 219 : 269–281

Kamerawi K, Kato M, Kanda T, Ishiguro H & Hiraki K (2005) Six-and-a-half-month-old children positively attribute goals to human handling and to humanoid robot motion. *Cogn Dev* 20:303–20

Kamhi AG & Catts HW (1986) Toward an understanding of developmental language and reading disorders. *J Speech Hear Disord* 51:337–47

Kamhi AG & Masterson JJ (1986) The reliability of the time-sharing paradigm. *Brain Lang*, 29:324–41

Kamiguchi H & Lemmon V (1998) A neuronal form of the cell adhesion molecule L1 contains a tyrosine-based signal required for sorting to the axonal growth cone. *J Neurosci* 18:3749–56

Kamp LNJ (1973) Autism in children (Dutch). *Ned T Gen* 117:1938–44

Kampe KK, Frith CD, Dolan RJ *et al.* (2001) Reward value of attractiveness and gaze. *Nature* 413:589

Kan CC, Maaswinkel–Mooij PD & Veenema H (1990) Vroegtijdige herkenning van het fragile–x–mentale–retardatie–syndroom. *T Kinder-gen* 58:159–64

Kanani F, Study D & Balasubramanian M (2018) SHANK3 variant as a cause of nonsyndromal autism in an 11-year-old boy and a review of published literature. *Clin Dysmorphol* 27:113–15

Kandel ER (1998) A new intellectual framework for psychiatry. *Am J Psychiat* 155:457–69

Kandel ER (1999) Biology and the future of psychoanalysis: A new intellectual framework for psychiatry revisited. *Am J Psychiat* 156:505–24

Kandel ER (2006) *In search of memory. The emergence of a new science of mind*. New York:WW Norton & Cy

Kandel ER (2012) *The age of insight The quest to understand the unconscious in art, mind, and brain*. New York:Random House

Kandel ER, Schwartz JH, Jessell TM (2013) *Principles of neural science and behavior*. 5t ed. Appleton and Lange, Stanford, Connecticut, USA

Kanamaru N, Watanabe H & Taga G (2012) Increasing selectivity of interlimb coordination during spontaneous movements in 2- to 4-month-old infants. *Exp Brain Res*, 218:49–61

Kanne SM & Finger S (1999) Konstantin M. Bykov and the discovery of the role of the corpus callosum. *J of the hist of med* 54:572–90

Kanner L (1943) Autistic disturbances of affective contact. *Nerv Child* 2:217–50

Kanno K & Ikeda Y (2002) Word-length effect in verbal short-term memory in individuals with Down's syndrome. *J Intellectual Disabil Res* 46:613–18

Karagan NJ & Sorensen JP (1981) Intellectual functioning in non–Duchenne muscular dystrophy. *Neurol* 31:448–52

Karakostis FA, Hotz G, Tourloukis V *et al.* (2018). Evidence for precision grasping in Neandertal daily activities. *Sci Adv*, 4:eaat2369. doi:10.1126/sciadv.aat2369

Karalunas SL, Antovich D, Miller N *et al.* (2023) Prospective prediction of developing internalizing disorders in ADHD. *JCPP* 64:768–78

Karatekin C, Lazareff JA & Asarnow RF (2000) Relevance of the cerebellar hemispheres for executive functions. *Pediatr Neurol* 22:106–12

Karavallil Achuthan S, Stavrinou D, Holm HB *et al.* (2023) Alterations of Functional Connectivity in Autism and Attention-Deficit/Hyperactivity Disorder Revealed by Multi-Voxel Pattern Analysis. *Brain Connect*. 13:528–40

Karmiloff-Smith A (1986) Stage/structure vs. Phase/process in modelling linguistic and cognitive development. In I. Levin (ed.) *Stage and Structure: Reopening the debate*. Norwood, NJ: Albex, pp. 164–90

Karmiloff-Smith A (2007) Atypical epigenesis. *Dev Sci* 10:84–88

Karmiloff-Smith A, Klima E, Bellugi U *et al.* (1995) Is there a social module? Language, face processing, and theory of mind in individuals with Williams syndrome. *J Cogn Neurosci* 7:196–208

- Karnath H-O, Ferber S & Bühlhoff HH (2000) Neuronal representation of object orientation. *Neuropsychologia* 38:1235-41
- Karnath H-O, Milner AD & Vallar G (2002) *The cognitive and neural bases of spatial neglect*. Oxford Un Press, pp 401
- Kashiwagi A, Kashiwagi T, Nishikawa T et al. (1989) Hemispheric asymmetry of processing temporal aspects of repetitive movement in two patients with infarction involving the corpus callosum. *Neuropsychol* 27: 799-809
- Kasteleijn-Nolst Trenité DG (1995) Transient cognitive impairment during subclinical discharges. *Semin Pediatr Neurol* 2:246-53
- Kasteleijn-Nolst Trenité DG, Smit AM, Velis DN et al. (1990) On-line detection of transient neuropsychological disturbances during EEG discharges in children with epilepsy. *DMCN* 32:46-50
- Kates WR, Frederikse M, Mostofsky SH et al. (2002) MRI parcellation of the frontal lobe in boys with attention deficit hyperactivity disorder or Tourette syndrome. *Psychiat Res Neuroimaging* 116:63-81
- Kato T, Takahashi E, Sawada K et al. (1983) A computer analysis of infant movements synchronized with adult speech. *Ped Res* 17:625-8
- Katz WF, Curtiss S & Tallal P (1992) Rapid automatized naming and gesture by normal and language-impaired children. *Brain Lang* 43:623-41
- Kaufman A & Kaufman N (1983) *The Kaufman Assessment Battery for Children (k-abc)*. Circle Pines, mn: American Guidance Service
- Kaufman AS, Long SW & O'Neal MR (1986) Topical review of the wisconsin for pediatric neuroclinicians. *J Child Neurol* 1:89-98
- Kaufmann T, van der Meer D, Doan NT et al. (2019) Common brain disorders are associated with heritable patterns of apparent aging of the brain. *Nat Neurosci* 22:1617-2
- Kaufmann WE, Cooper KL, Mostofsky SH et al. (2003) Specificity of cerebellar vermian abnormalities in autism: A quantitative magnetic resonance imaging study. *J Child Neurol* 18:463-70
- Kaushik M, Baghel N, Burget R et al. (2021) SLINet: Dysphasia detection in children using deep neural network. *Biomed Sign Proc Contr*. 68: 02798
- Kavcic V & Doty RW (2002) Efficiency of the forebrain commissures: memory for stimuli seen by the other hemisphere. *Acta Neurobiol Exp* 62:235-42
- Kawashima R, Okuda J, Umetsu A, et al. (2000) Human cerebellum plays an important role in memory-timed finger movement: An fMRI study. *J Neurophysiol* 83:1079-87
- Kawashima R, Sugiura M, Kato T et al. (1999) The human amygdala plays an important role in gaze monitoring. A PET study. *Brain* 122:779-83
- Kaye WH, Fudge JL & Paulus M (2009) New insights into symptoms and neurocircuit function of anorexia nervosa. *Nat Rev neurosci* 10:573-84
- Kayl AE, Moore BD III, Slopis JM et al. (2000) Quantitative morphology of the corpus callosum in children with neurofibromatosis and Attention-Deficit Hyperactivity Disorder. *J Child Neurol* 15:90-6
- Kazennikov O, Hyland B, Corboz M et al. (1999) Neural activity of supplementary and primary motor areas in monkeys and its relation to bimanual and unimanual movement sequences. *Neurosci* 89:661-74
- Kehl MS, Mackay S, Ohla K et al. (2024) Single-neuron representations of odours in the human brain. *Nature* <https://doi.org/10.1038/s41586-024-08016-5>
- Keizer A (2014) Body representation disturbances in anorexia nervosa. Proefschrift, Univ. Utrecht
- Keizer A, van Elburg A, Helms R et al. (2016) A Virtual Reality Full Body Illusion Improves Body Image Disturbance in Anorexia Nervosa. *PLOS ONE*, Oct 6;11(10):e0163921
- Keizer A, Smeets MAM, Dijkerman HC et al. (2012) Aberrant somatosensory perception in Anorexia Nervosa. *Psychiat Res*, 200:530-7
- Keller F & Persico AM (2003) The neurobiological context of autism. *Mol Neurobiol* 28:1-22
- Kelley DB (1986) The genesis of male and female brains. *TINS* 9:499-502
- Kelly CE, Cheong JL, Gabra Fam L et al. (2016) Moderate and late preterm infants exhibit widespread brain white matter microstructure alterations at term-equivalent age relative to term-born controls. *Brain Imag Behav* 10:41-9
- Kelly MK, Miller KF, Fang G et al. (1999) When days are numbered: Calendar structure and the development of calendar processing in English and Chinese. *J Exp Child Psychol* 73:289-314
- Kelly D, Stich S, Haley KJ et al. (2007) Harm, Affect, and the Moral/Conventional Distinction. *Mind & Lang* 22:117-213
- Kelly SD & Church RB (1997) Can children detect conceptual information conveyed through other children's nonverbal behaviors? *Cogn Instruc* 15:107-34
- Kelly SD, Iverson JM, Terranova J et al. (2002) *Dev Neuropsychol* 22:323-49
- Kelsey SG & Barrie-Blackley S (1976) The language of low-birthweight children at four years: Preliminary report. *DMCN* 18:753-58
- Kemerderer R, Menjot de Champfleury N, Devardun J et al. (2016) Role of the left frontal aslant tract in stuttering: a brain stimulation and tractographic study. *J Neurol* 263:157-67
- Kemper TL (1984) Asymmetrical lesions in dyslexia. In: Geschwind N & Galaburda AM (eds) *Cerebral Dominance*. Harvard Univ Press, Cambridge, Mass, pp 75-89
- Kemper TL & Bauman M (1998) Neuro-pathology of infantile autism. *J Neuropathol Exp neurol* 57:645-52
- Kendall BE (1983) Dysgenesis of the corpus callosum. In: Naidich TP & Fulling KH (eds) *Congenital malformations of the brain*. *Neuroradiol* 25:239-56
- Kendon A (1980) Gesticulation and speech: two aspects of the process of utterance. In MR Key (ed) *The Relationship of Verbal and Nonverbal Communication*. 207-27. The Hague: Mouton
- Kendon A (2004) *Gesture: Visible Action as Utterance*. Cambridge: Cambridge Un. Press
- Kennard MA (1936) Age and other factors in motor recovery from precentral lesion in monkeys. *J Neurophysiol* 1:477-96
- Kennard MA (1960) Value of equivocal signs in neurologic diagnosis. *Neurol* 10:753-64
- Kennedy B (2003) Hyperlexia profiles. *Brain Lang* 84:204-21
- Kennedy DP & Courchesne E (2008) The intrinsic functional organization of the brain is altered in autism. *Neuroimage* 39:1877-85
- Kennedy M, Kreppner J, Knights N et al. (2016) Early severe institutional deprivation is associated with a persistent variant of adult attention-deficit/hyperactivity disorder: clinical presentation, developmental continuities and life circumstances in the English and Romanian Adoptees study. *JCPP* 57:1113-25
- Kermadi I, Liu Y & Rouiller EM (2000) Do bimanual motor actions involve the dorsal premotor (PMd), cingulate (CMA) and posterior parietal (PPC) cortices? Comparison with primary and supplementary motor cortical areas. *Somatosens Mot Res* 17:255-71
- Kerr AM, Nomura Y, Armstrong D et al. (2001) Guidelines for reporting clinical features in cases with MECP2 mutations. *Brain Dev* 23:208-11
- Kertesz A (1985) Aphasia. In: Vinken PJ, Bruyn GJ & Klawans HL s (eds) *Handbook of clinical neurology*, vol 45. *Clinical neuropsychology* (JAM Frederiks, ed), Elsevier, Amsterdam, pp 287-331
- Kertesz A (1985) Apraxia and aphasia. Anatomical and clinical relationship. In: Roy EA (ed) *Neuropsychological studies of apraxia and related disorders*. North-Holland, Amsterdam, pp 163-78
- Kertesz A & Geschwind N (1971) Patterns of pyramidal decussation and their relationship to handedness. *Arch Neurol* 24:326-32
- Kertesz A, Nicholson I, Cancelliere A et al. (1985) Motor impersistence: A right-hemisphere syndrome. *Neurol* 35:662-6
- Kertesz A, Polk M & Howell J (1987) Cerebral dominance, sex, and callosal size in MRI. *Neurol* 37:1385-8
- Kesner RP (1986) Neurobiological views of memory. In: JL Martinez Jr and RP Kesner (eds) *Learning and memory. A biological view*. Acad Press, Orlando, pp 399-438
- Kessels R, Eling P, Ponds R et al. (2012) *Klinische Neuropsychologie*. Amsterdam: Boom
- Kessler JW (1980) History of minimal brain dysfunction. In: HE Rie and ED Rie (eds) *Handbook of minimal brain dysfunctions*. Wiley, New York, pp 18-51
- Kessler J, Thiel A, Karbe H et al. (2000), Piracetam improves activated blood flow and facilitates rehabilitation of poststroke aphasic patients. *Stroke* 31:2112-6
- Keulers EHH, Hendriksen JGM, Feron FJM et al. (2007) Non-verbale leerstoornissen: Een spectrumstoornis met klinische relevantie. *T Neuropsychol* 2:20-31
- Keunen K, Benders MJ, Leemans A et al. (2017) White matter maturation in the neonatal brain is predictive of school age cognitive capacities in children born very preterm. *DMCN* 59:939-46
- Kevelam SH, Steenweg ME, Srivastava S et al. (2016) Update on Leukodystrophies: A Historical Perspective and Adapted Definition. *Neuropediat* 47:349-54

- Keyser C, Kaas JH & Gazzola V (2010) Somatosensation in social perception. *Nat Rev Neurosci* 11:417–28
- Khadija B, Rijba K, Dimassi S *et al.* (2022) Clinical and molecular characterization of 1q43q44 deletion and corpus callosum malformations: 2 new cases and literature review. *Mol Cytogenet.* 15:42
- Khan NL & Wood NW (1999) Prader–Willi and Angelman syndromes: Update on genetic mechanisms and diagnostic complexities. *Curr Opin Neurol* 12:149–54
- Khanderia U & Bhattacharya A (1984) Acute intermittent porphyria: pathophysiology and treatment. *Pharmacother* 4:144–50
- Khanna AR, Muñoz W, Kim Y.J *et al.* (2024) Single-neuronal elements of speech production in humans. *Nature* 626: 603–10
- Khemlani-Patel S & Neziroglu F (2022) *Body Dysmorphic disorder*. Hogrefe Publishing GmbH
- Kiessling LS, Denckla MB & Carlton M (1983) Evidence for differential hemispheric function in children with hemiplegic cerebral palsy. *DMCN* 25:727–34
- Kievit Th, de Wit J & Groenendaal JHA (1998) *Handboek psychodiagnostiek voor de hulpverlening aan kinderen*. Elsevier/De Tijdstroom, Maarssen
- Kihlstrom JF (1997). Consciousness and memory. In JD Cohen & JW Schooler (Eds) *Scientific approaches to consciousness* (pp. 451–468). Mahwah: Erlbaum
- Killackey HP, Gould HJ, Cusick CG *et al.* (1983) The relation of corpus callosum connections to architectonic fields and body surface maps in sensorimotor cortex of new and old world monkeys. *J Comp Neurol* 219:384–419
- Kilner JM & Blakemore S-J (2007) How does the mirror system change during development? *Dev Sci* 10:524–5
- Kilroy E, Gerbella M, Cao L *et al.* (2022a) Specific tractography differences in autism compared to developmental coordination disorder. *Sci Rep.* 12:19246
- Kilroy E, Harrison L, Butera C *et al.* (2021) Unique deficit in embodied simulation in autism: An fMRI study comparing autism and developmental coordination disorder. *Hum Brain Mapp.* 42:1532–46
- Kilroy E, Ring P, Hossain A *et al.* (2022b) Motor performance, praxis, and social skills in autism spectrum disorder and developmental coordination disorder. *Autism Res.* 15:1649–64
- Kilts CD, Egan G, Gideon DA *et al.* (2003) Dissociable neural pathways are involved in the recognition of emotion in static and dynamic facial expressions. *Neuroimage* 18:156–68
- Kim YH, Gitelman, Nobre AC *et al.* (1998) The large-scale neural network for spatial attention displays multifunctional overlap but differential asymmetry. *Neuroimage* 9:269–77
- Kimura D (1961) Some effects of temporal-lobe damage on auditory perception. *Can J Psychol* 15:156–65
- Kimura D (1964) Left–right differences in the perception of melodies. *Q J Exp Psychol* 16:355–8
- Kimura D (1961) Cerebral dominance and the perception of verbal stimuli. *Can J Psychol* 15:166–71
- Kimura D (1967) Functional asymmetry of the brain in dichotic listening. *Cortex* 3:163–78
- Kimura D (1977) Acquisition of a motor skill after left–hemisphere damage. *Brain* 100:527–42
- Kimura D (1993) *Neuromotor mechanisms in human communication*. Oxford Psychol Series 20. New York: Oxford Un Press, pp 197
- Kimura D (1999) *Sex and cognition*. MIT Press, Cambridge, MA, pp 217
- Kimura D & Archibald Y (1974) Motor functions of the left hemisphere. *Brain* 97:337–50
- Kimura D & D'Amico C (1989) Evidence for subgroups of asextrals based on speech lateralization and cognitive patterns. *Neuropsychol* 27:977–86
- Kimura D & Durnford M (1974) Normal studies on the function of the right hemisphere in vision. In: SJ Dimond and JG Beaumont (eds) *Hemisphere function in the human brain*. Elek Science, London, pp 25–47
- Kimura D & Vanderwolf CH (1970) The relation between hand preference and the performance of individual finger movements by left and right hands. *Brain* 93:769–74
- Kingma A, Assman–Hulsmans CFCH, Mos C *et al.* (1999) Neuropsychologische restverschijnselen na behandeling van een hersentumor op de kinderleeftijd. *Tijdsch Kind* 67:80–6
- Kingma A & Jansen N (2003) Cognitieve functies van kinderen behandeld voor kanker. *Neuropsych* 7:41–53
- Kinney RO, Shaywitz BA, Shaywitz SE *et al.* (1990) Epilepsy in children with attention deficit disorder: Cognitive, behavioral and neuro-anatomic indices. *Pediatr Neurol* 6:31–7
- Kinoshita M, Menjot de Champfleury N, Devedun J *et al.* (2015) Role of fronto-striatal tract and frontal aslant tract in movement and speech: an axonal mapping study. *Brain Struct Funct* 220:3399–412
- Kinsbourne M (1974) Mechanisms of hemisphere interaction in man. In: Kinsbourne M & Smith WL (eds) *Hemispheric disconnection and cerebral function*. Thomas, Springfield Ill, pp 260–85
- Kinsbourne (1975) The ontogeny of cerebral dominance. *Ann NY Sci* 163:244–50
- Kinsbourne M (ed 1978) *Asymmetrical function of the brain*. Cambridge University Press, Cambridge
- Kinsbourne M (1983) Toward a model for the attention deficit disorder. In: M Perlmutter (ed) *The Minnesota symposium on child psychology, vol 16. Development and policy concerning children with special needs*. Erlbaum, Hillsdale NY, pp 137–66
- Kinsbourne M (1991) Overfocusing: An apparent subtype of Attention Deficit–Hyperactivity Disorder. In: Amir N, Rapin I, Branski D (eds) *Pediatric Neurology: Behavior and Cognition of the Child with Brain Dysfunction*. Karger, Basel, pp 18–35
- Kinsbourne M & Caplan PJ (1979) *Children's learning and attention problems*. Little, Brown and Co, Boston
- Kinsbourne M & Hiscock M (1977) Does cerebral dominance develop? In: Segalowitz SJ & Gruber FA (eds) *Language development and neurological theory*. Academic Press, London New York, pp 171–91
- Kinsbourne M & Warrington EK (1962) A study of finger agnosia. *Brain* 85:47–66
- Kiphard EJ & Schilling F (2007) *Körperkoordinationstest für Kinder. 2. Überarbeitete und ergänzte Auflage*. Weinheim: Beltz Test GmbH
- Kircanski K, Sisk LM, Ho TC *et al.* (2019) Early life stress, cortisol, frontolimbic connectivity, and depressive symptoms during puberty. *Development and Psychopathology*. Vol 31, Issue 3: Emotion Dysregulation and Emerging Psychopathology. pp. 1011–22. Cambridge University Press
- Kircher TTJ, Liddle PF, Brammer MJ *et al.* (2001) Neural Correlates of Formal Thought Disorder in Schizophrenia *Arch Gen Psychiatr.* 58:769–74
- Kirschner H, Nassar MR, Fischer AG *et al.* (2024) Transdiagnostic in- flexible learning dynamics explain deficits in depression and schizophrenia. *Brain* 147:201–14
- Kirschner S & Tomasello M (2009) Joint Drumming: Social Context Facilitates Synchronization in Preschool Children. *J Exp Child Psychol* 102:299–314
- Kirk S A (1963) Behavioral diagnosis and remediation of learning disabilities. In: Proc Conf Explor Probl Percept Handic Child. First Ann Mee (Vol. 1). Chicago, April 6
- Kirk U (1985) Hemispheric contributions to the development of graphic skill. In: Best CT (ed) *Hemispheric function and collaboration in the child*. Academic Press, New York. pp 193–228
- Kirkovski M, Singh M, Dholander T *et al.* (2024) An Investigation of Age-related Neuropathophysiology in Autism Spectrum Disorder Using Fixel-based Analysis of Corpus Callosum White Matter Micro- and Macrostructure. *J Autism Dev Disord.* 54:2198–2210
- Kirman B & Bicknell J (1975) *Mental handicap*. Churchill Livingstone, Edinburgh
- Kirov R, Kinkelbur J, Banaschewski T *et al.* (2007) Sleep patterns in children with attention-deficit/hyperactivity disorder, tic disorder, and comorbidity. *JCPP* 48:561–70
- Kish SJ, Mamelak M, Slimovitch C, *et al.* (1992) Brain neurotransmitter changes in human narcolepsy. *Neuro* 42:229–34
- Kishon-Rabin L, Kuint J, Hildesheimer M *et al.* (2015) Delay in auditory behaviour and preverbal vocalization in infants with unilateral hearing loss. *DMCN* 12:1129–36
- Kitterle FL (ed 1991) *Cerebral laterality, theory and research*. Lawrence Erlbaum Publ, Hillsdale, New Jersey, pp 235
- Kitterle FL (ed 1995) *Hemispheric communication. Mechanisms and models*. Lawrence Erlbaum Ass Hillsdale, New Jersey, pp 374
- Klaas PA, Hannay HJ, Caroselli JS *et al.* (1999) Interhemispheric transfer of visual, auditory, tactile, and visuomotor information in children with hydrocephalus and partial agenesis of the corpus callosum. *J Clin Exptl Neuropsychol* 21:837–50

- Klasen E (1971) *Das Syndrom der Legasthenie. Unter besonderer Berücksichtigung physiologischer, psychopathologischer, testpsychologischer und sozialer Korrelate*. Hans Huber, Bern
- Klein NK *et al.* (1989) Children who were very low birthweight: development and academic achievement at nine years of age. *J Dec Beh Pediatr* 10:32–37
- Klein PS, Raziel P, Brish M *et al.* (1987) Cognitive performance of 3-year-olds born at very low birth weight. *J Psychosom Obst Gynecol* 7:117–129
- Klein SK, Tuchman RF & Rapin I (2000) The influence of premorbid language skills and behavior on language recovery in children with low birth auditory agnosia. *J Child Neurol* 15:36–43
- Klein Velderman M, Bakermans-Kranenburg MJ, Juffer F *et al.* (2006) Effects of Attachment-Based Interventions on Maternal Sensitivity and Infant Attachment: Differential Susceptibility of Highly Reactive Infants. *J Fam Psychol* 20:266–74
- Kleinmans NM, Müller RA, Cohen DN *et al.* (2008) Atypical functional lateralization of language in autism spectrum disorders. *Brain Res* 1221:115–25
- Kleist K (1907) Kortikale (innervatorische) Apraxie. *Jahrb f Psychiatr und Neurol* 28:46–112
- Kleist K (1934) *Gehirnpathologie*. Barth, Leipzig
- Kliemann D, Adolphs R, Tyszka JM *et al.* (2019) Intrinsic functional connectivity of the brain in adults with a single cerebral hemisphere. *Cell Rep* 29:2398–407
- Kli M (2018) Eros and Thanatos: A Nondualistic Interpretation: The Dynamic of Drives in Personal and Civilizational Development From Freud to Marcuse. *Psychoanal Rev*, 105:67–89
- Klimkeit EI & Bradshaw JL (2006) Anomalous lateralisation in neurodevelopmental disorders. *Cortex* 42:113–6
- Klin A, Jones W, Schultz R *et al.* (2002) Defining and quantifying the social phenotype in autism. *Am J Psychiatr* 159:895–908
- Klin A, Volkmar FR, Sparrow SS *et al.* (1995) Validity and neuropsychological characterization of Asperger syndrome: Convergence with nonverbal learning disabilities syndrome. *JCPP* 36:1127–40
- Klinkerfuss GH, Lange PH, Weinberg WA *et al.* (1971) Electroencephalographic abnormalities of children with hyperkinetic behavior. *Neurol* 15:883–91
- Klitzing von L, Gerhard H, Benthin U *et al.* (1987) Statische NMR-Magnetfelder verändern die somatosensibel evozierten Potentiale beim Menschen. *Z EEG Emg* 18:543–6
- Klomp U (2021) A descriptive grammar of Sign Language of the Netherlands. Proefschrift UvA
- Klöppel S, Mangin JF, Vongersicht A *et al.* (2010) Nurture versus nature: long-term impact of forced right-handedness on structure of pericentral cortex and basal ganglia. *J Neurosci* 30: 3271– 75
- Klöppel S, Vongersicht A & van Eimeren T (2007) Can left-handedness be switched? Insights from an early switch of handwriting. *J Neurosci* 27:7847–53
- Kluver H & Bucy PC (1938) An analysis of certain effects of bilateral temporal lobectomy in rhesus monkey, with special reference to “psychic blindness”. *J Psychol* 5:33–54
- Knaus TA, Silver AM, Lindgren KA *et al.* (2008) fMRI activation during a language task in adolescents with ASD. *J Int Neuropsychol Soc* 14:967–79.
- Knecht S., Dräger B., Deppe *et al.* (2000) Handedness and hemispheric language dominance in healthy humans. *Brain* 123: 2512–18
- Knecht S, Deppe M, Bobe L *et al.* (2000) Language lateralization in healthy right-handers. *Brain* 123:74–81
- Knecht S, Kunesch E & Schnitzler A (1996) Parallel and serial processing of haptic information in man: Effects of parietal lesions on sensorimotor hand function. *Neuropsychol* 34:669–87
- Knight RM & Bakker DJ (eds 1976) *The neuropsychology of learning disorders*. Un Park Press, Baltimore
- Knight RM & Moule AD (1967) Normative and reliability data on finger and foottapping in children. *Percept Mot Skills* 25:717–20
- Knobloch H & Pasamanick B (eds 1974) *Gesell and Amatruda's developmental diagnosis. The evaluation and management of normal and abnormal neuropsychologic development in infancy and early childhood*. 3rd ed. Maryland :Harper & Row, Hagerstown
- Knoch D, Gianotti LRR, Pascual Leone A *et al.* (2006) Disruption of right prefrontal cortex by low-frequency repetitive transcranial magnetic stimulation induces risk-taking behavior *J Neurosci* 26:6469–72
- Knopman D, Margolis G & Reeves AG (1977) Prolonged focal epilepsy and hypoxemia as a cause of focal brain damage: A case study. *Ann Neurol* 1:195–8
- Knopman DS & Rubens AB (1986) The validity of computed tomographic scan findings for the localization of cerebral functions. *Arch Neurol* 43:328–32
- Knox C & Kimura D (1970) Cerebral processing of non-verbal sounds in boys and girls. *Neuropsychol* 8:227–37
- Knuckey NW, Apsimon TT & Gubbay SS (1983) Computerized axial tomography in clumsy children with developmental apraxia and agnosia. *Brain Dev* 5:14–19
- Knyazeva MG (2013) Splenium of corpus callosum: patterns of interhemispheric interaction in children and adults. *Neural Plast* 4:639430
- Knyazeva M, Koeda T, Nijokiktjen C *et al.* (1997). EEG coherence changes during finger tapping in allosal and normal children: A study of inter- and intrahemispheric connectivity. *Behav Brain Res* 89: 243–58
- Kobayashi N (1987) Pediatric neurology and developmental behavioral science. *Brain Developm* 9:74
- Koch B, Braillier D, Eng G *et al.* (1980) Computerized tomography in cerebral-palsied children. *DMCN* 22:595–607
- Koeda T (1993) Developmental voluntary movement skill with functional articulation disorder in children. *J of Sens Integr dis* 4:1–5
- Koeda T, Inoue M & Takeshita K (1997) Constructional dyspraxia in preterm diplegia: isolation from visual and visual perceptual impairments. *Acta Paediatr* 86:1068–73
- Koeda T, Knyazeva M, Nijokiktjen C *et al.* (1995) The EEG in allosal children. Coherence values in the resting state: Left hemisphere compensatory mechanism? *EEG Clin Neurophysiol* 95:397–407
- Koeda T & Takeshita K (1992) Visual-perceptual impairment and cerebral lesions in spastic diplegia with preterm birth. *Brain & Dev* 11:239–244.
- Koeda T & Takeshita K (1993) Unilateral tactile naming disorder of left hand in two cases of corpus callosum agenesis. *DMCN* 35:65–69
- Koelsch S, Grossmann T & Gunter T (2003) Children processing music: electric brain responses reveal musical competence and gender differences. *J Cogn Neurosci* 15:683–93
- Koenke S, Lutz K, Wüstenberg T *et al.* (2004) Bimanual versus unimanual coordination: what makes the difference? *NeuroImage* 22:1336–50
- Koenigs M & Grafman J. (2009) The functional neuroanatomy of depression: distinct roles for ventromedial and dorsolateral prefrontal cortex. *Behav Brain Res*. 2009 201:239–43
- Koh THHG & Eyre JA (1988) Maturation of corticospinal tracts assessed by electromyographic stimulation of the motor cortex. *Arch Dis Childh* 63:1347–52
- Kohen-Raz R (1986) *Learning disabilities and postural control*. Freund, London
- Köhler W (1929/1949 2nd ed.) Köhler W (1940) *Dynamics in Psychology*. New York: Grove Press
- Kohn B & Dennis M (1974) Selective impairments of visuo-spatial abilities in infantile hemiplegics after right cerebral hemidecortication. *Neuropsychol* 12:505–12
- Köhne A (2020) The Relationalist Turn in Understanding Mental Disorders. From Essentialism to Embracing Dynamic and Complex Relations. *Philos, Psychiat, & Psychol* 27: 119–40
- Kohnstamm R (2009) Kleine ontwikkelingspsychologie. Deel I, II, III. Amsterdam: Boom
- Kohrman MH & Carney PR (2000) Sleep-related disorders in neurologic disease during childhood. *Pediatr Neurol* 23:107–13
- Koike T, Kan S, Misaki M *et al.* (2010) Connectivity pattern changes in default-mode network with deep non-REM and REM sleep. *Neurosci Res* 69:322–30
- Kolb B & Wishaw IQ (2015) *Fundamentals of human neuropsychology*. 4th ed Freeman & Cy, New York, pp 691
- Kolk A & Talvik T (2000) Cognitive outcome of children with early-onset hemiparesis. *J Child Neurol* 15:581–587
- Kolk A & Talvik T (2002) Cerebral lateralization and cognitive deficits after congenital hemiparesis. *Pediatr Neurol* 27:356–62
- Königs M, Engenhorst PJ & Oosterlaan J (2015) Intelligence after traumatic brain injury: meta-analysis of outcomes and prognosis. *Eur J Neurol* 23:21–9
- Konishi S, Hayashi T, Uchida I *et al.* (2002) Hemispheric asymmetry in human lateral prefrontal cortex during cognitive set shifting. *PNAS* 99:7803–8
- Konishi Y, Mikawa H & Suzuki J (1986) Asymmetrical head-turning of preterm infants:

- Some effects on later postural and functional lateralities. *DMCN* 28:450–7
- Konishi Y, Takaya R, Kimura K *et al.* (1997) Laterality of finger movements in preterm infants. *DMCN* 39:248–52
- Koo DL, Hwang KJ, Kim D (2013) Effects of Levetiracetam Monotherapy on the Cognitive Function of Epilepsy Patients. *Eur Neurol* 70:88–94
- Kooijman V, Hagoort P & Cutler A (2005) Electrophysiological evidence for prelinguistic infants' word recognition in continuous speech. *Cogn Brain Res* 24:109–16
- Kooijman V, Hagoort P & Cutler A (2009). Prosodic structure in early word segmentation: ERP evidence from Dutch ten-month-olds. *Infancy* 14:591–612
- Kooistra CA & Heilman KM (1988) Motor dominance and lateral asymmetry of the globus pallidus. *Neurol* 38:388–90
- Kooistra L, Laane C, Vulsma Th *et al.* (1994) Motor and cognitive ontwikkeling in children with congenital hypothyroidism: A long-term evaluation van de effects van neonatal treatment. *J Pediatr* 124:903–9
- Kooistra L, Meere JJ van der, Vulsma T *et al.* (1996) Sustained attention problems in children with early treated congenital hypothyroidism. *Acta Paediatr* 85:425–9
- Kool-Goudzwaard N (2015) *Improving the Management of Self-Harm in Psychiatry*. Vrije Universiteit Amsterdam, PhD-Thesis
- Koolen DA, Pfundt R, Linda K *et al.* (2015) The Koolen-de Vries syndrome: a phenotypic comparison of patients with a 17q21.31 microdeletion versus a KANSL1 sequence variant. *Eur J Hum Genet* 24:652–9
- Koomen I, Raat H, Jennekens-Schinkel A *et al.* (2003) Leer- en gedragsproblemen en kwaliteit van leven van kinderen na bacteriële meningitis: waakzaamheid geboden. *Tijdschr Kinder-geneesk* 71:109–18
- Koopmans van Beinum FJ & Van der Stelt JM (1979) Early stages in infant speech development. *Proc Inst Phonet Sci* 5:30–43. *Univ Amsterdam*
- Koopman-Verhoeff ME, Serebrenik F, Kocovska D *et al.* (2019) Preschool family irregularity and the development of sleep problems in childhood: a longitudinal study. *JCPP* 60:857–65
- Kooyman, M, Olij R & Storm R (2011) Bondingspsychotherapie, een effectieve groepstherapie bij hechtingsproblemen. *T Ned Ver Groeps-dynamica Groepspsychother* 6:11–25
- Kopp CB & McCall RB (1982) Predicting late mental performance for normal, at-risk en handicapped infants. In: PB Bates en OG Brim (eds) *Life-span development en behavior*, vol 4. Acad Press, New York, 33–61
- Korkman M (1999) Applying Luria's diagnostic principles in the neuropsychological assessment of children. *Neuropsychol Rev* 9:89–105
- Korkman M, Granstrom ML, Appelqvist K *et al.* (1998) Neuropsychological characteristics of five children with the Landau-Kleffner syndrome: Dissociation of auditory and phonological discrimination. *J Int Neuropsychol Soc* 4:566–75
- Korkman M, Hilakivi-Clarke LA, Autti-Rämö I *et al.* (1994) Cognitive impairments at two years of age after prenatal alcohol exposure or perinatal asphyxia. *Neuropediatr* 25:101–5
- Korkman M, Nikkinen T, Klenberg L *et al.* (1996) *Development of memory: Short-term memory, supraspan learning, en delayed retrieval*. Oral presentation at the 19th conference INS, Veldhoven, June 19–22
- Korkman M & Pesonen A.-E (1994) A comparison of neuropsychological test profiles of children with attention deficit-hyperactivity disorder and/or learning disorder. *J Learn Disab* 27:383–92
- Korkmaz B, Njokiktjen C & Verschoor CA (2013) Children's social relatedness: an embodied brain function. A clinical view of typical development and disorders. Amsterdam: Suyi Publ. pdf op www.suyi.nl
- Kornum BR, Kawashima M, Faraco J *et al.* (2011) Common variants in P2RY11 are associated with narcolepsy. *Nat. Genet.* 43:43–66
- Korosi A & Baram TZ (2009) The pathways from mother's love to baby's future. *Front Behav Neurosci* 3:1–8
- Kósc L (1974) Developmental dyscalculia. *J Learn Disab* 7:164–77
- Kósc M & Molcan J (1984) Depression and the right hemisphere spatial performance. *Activ Nerv Sup (Praha)* 26:166–67
- Kocovska D, Trajanoska K, Mulder RH *et al.* (2024) Are some children genetically predisposed to poor sleep? A polygenic risk study in the general population. *JCPP* 65:710–19
- Koss KJ & Gunnar MR (2018) Annual Research Review: Early adversity, the hypothalamic-pituitary-adrenocortical axis, and child psychopathology. *JCPP* 59:327–46
- Kossoff EH, Boatman D & Freeman JM (2003) Landau-Kleffner syndrome responsive to levetiracetam. *Epilepsia* 44:571–5
- Kotlarek F, Rodevig R & Brüll D (1981) Computed tomographic findings in congenital hemiparesis in childhood and their relation to etiology and prognosis. *Neuropediatrics* 12:101–9
- Kotwica KA, Ferre CL & Michel GF (2008) Relation of stable hand-use preferences to the development of skill for managing multiple objects from 7 to 13 months of age. *Dev Psychobiol*, 50:519–29
- Kotz SA & Schmidt-Kassow M (2015) Basal ganglia contribution to rule expectancy and temporal predictability in speech. *Cortex* 68:48–60
- Kousta S-T, Vigliocco G, Vinson DP *et al.* (2011) The representation of abstract words: Why emotion matters. *J Exp Psychol: General* 140:14–34
- Kovac I, Garabedian B, Du Souich C *et al.* (2001) Attention deficit/hyper-activity in SLI children increases risk of speech/language disorders in first-degree relatives. A preliminary report. *J Commun Disord* 34:339–54
- Kovachy VN, Adams JN, Tamaresis JS *et al.* (2005) Reading abilities in school-aged preterm-children: A review and meta-analysis. *DMCN* 57:410–9
- Kozhemiako N, Nunes A, Vakorin V A *et al.* (2019) A typical resting state neuromagnetic connectivity and spectral power in very preterm children. *JCPP* 60:975–87
- Kozma C (2001) Valproic acid embryopathy: Report of two siblings with further expansion of the phenotypic abnormalities and a review of the literature. *Am J Med Genet* 98:168–75
- Kraepelin E (1896) *Psychiatrie. Ein Lehrbuch für Studierende und Ärzte*. Barth, Leipzig
- Kraijer DW (1994) Zwakzinnigheid, autisme en aan autisme verwante stoornissen. Swets & Zeitlinger, Lisse, pp 463
- Krakow JB & Kopp CB (1983) The effects of developmental delay on sustained attention in young children. *Child Dev* 54:1143–55
- Kramer RE, Dinner DS, Braun WC *et al.* (1987) HLA-dr2 and narcolepsy. *Arch Neurol* 44:853–5
- Kramer U, Fattal A, Nevo Y *et al.* (2000) Mental retardation subsequent to refractory partial seizures in infancy. *Brain Dev* 22:31–4
- Krams M, Quinton R, Ashburner J *et al.* (1999) Kallmann's syndrome – Mirror movements associated with bilateral corticospinal tract hypertrophy. *Neurol* 52:816–22
- Krasinski K (1986) Fetal infections. In: HJ Hoffman and F Epstein (eds) *Disorders of the developing nervous system: Diagnosis and treatment*. Blackwell Sci Publ, Oxford, pp 655–35
- Kraus N & Cheour M (2000) Speech sound representation in the brain. *Audiol Neurootol* 5:140–50
- Kraus N, Smith DI, Reed NL *et al.* (1985) Auditory middle latency responses in children: Effects of age and diagnostic category. *Electroenceph Clin Neurophysiol* 62:343–51
- Krause KH, Dresel SH, Krause J *et al.* (2000) Increased striatal dopamine transporter in adult patients with attention deficit hyperactivity disorder: effects of methylphenidate as measured by single photon emission computed tomography. *Neurosci Lett* 285:107–10
- Krause J, Lalueza-Fox C, Orlando L *et al.* (2007) The derived FOX P2 variant of modern humans was shared with Neandertals. *Cur. Biol.* 17:1908–12
- Krebs G, Hannigan LJ, Gregory AM (2020) Reciprocal links between anxiety sensitivity and obsessive-compulsive symptoms in youth: a longitudinal twin study. *JCPP* 61:979–87.
- Krebs G, Rautio R, Fernández de la Cruz L *et al.* (2024) Practitioner Review: Assessment and treatment of body dysmorphic disorder in young people. *JCPP* 65:1119–31
- Kret ME, Jaasma L, Bionda, T *et al.* (2016) Bonobos (*Pan paniscus*) show an attentional bias toward conspecifics' emotions. *Proc Natl Acad Sci*, 113:3761–6
- Kret M & van Berlo E (2021) Attentional Bias in Humans Toward Human and Bonobo Expressions of Emotion. *Evol Psychol.* 19(3), 147470492110328
- Kret ME, Venneker D, Evens B *et al.* (2021) The ontogeny of human laughter. *Biol Lett* 17:<https://doi.org/10.1098/rsbl.2021.0319>
- Kreukels BPC (2022) *Gender en geslacht in transitie*. Inaugurele rede, Amsterdam UMC

- Kreukels BPC & Burke SM (2020) Neurobiology of Pediatric Gender Identity. In: (Forcier M *et al.*, eds) *Pediatric gender identity. Gender-affirming care for transgender & gender diverse youth*. Springer Nature
- Kreukels BPC & Guillamon A (2016) Neuroimaging studies in people with gender incongruence. *Int Review Psychiat* 28:120–8
- Krevelen DA van (1952) Early infantile autism (German). *Z Kinderpsychiat* 19:91–97
- Kriegel H, Schmahl B, Gerber GB *et al.* (eds, 1986) *Radiation risks to the developing nervous system*. G Fischer, Stuttgart
- Krisch K & Jahn J (1981) Anamnesedaten und Untersuchungsergebnisse von 36 Enkopretikern. *Z Kinder-Jugendpsychiat* 9:16–27
- Krishnan S, Cler GJ, Smith HJ *et al.* (2022) Quantitative MRI reveals differences in striatal myelin in children with DLD. *eLife* 27:11:e74242
- Krishnan S, Watkins KE & Bishop DVM (2018) Neurobiological Basis of Language Learning. *Trends Cogn Sci* 20:701–14
- Kristensen H (1997) Elective mutism – associated with developmental disorder/delay. Two case studies. *Eur Child & Adolesc Psychiat* 6:234–9
- Krogten I van & Oortman Gerlings-de Jong JT (1986) Brain organicity tests. (*Dutch*) *Psycholoog* 21:1–7
- Krogten I van & Wallien H (1984) Brain organicity tests. (*Dutch*). *T Psychol* 39:471–78
- Króliczak G & Frey S H (2009) A Common Network in the Left Cerebral Hemisphere Represents Planning of Tool Use Pantomimes and Familiar Intransitive Gestures at the Hand-Independent Level. *Cereb Cortex* 19:2396–2410
- Króliczak G, Piper BJ, Frey SH *et al.* (2016) Specialization of the left supramarginal gyrus for hand-independent praxis representation is not related to hand dominance. *Neuropsychol* 93:501–12
- Kronbichler M, Hutzler F & Wimmer H (2002) Dyslexia: Verbal impairments in the absence of magnocellular impairments. *Neuroreport* 13:617–20
- Kronfeld-Duenias V, Amir O, Ezrati-Vinacour R *et al.* (2016) The frontal aslant tract underlies speech fluency in persistent developmental stuttering. *Brain Struct Funct* 221:365–81
- Kross E (2021) *Het Stemmetje in je hoofd*. Amsterdam: Prometheus
- Krubitzer L & Huffman K (2000) Arealization in the neocortex of mammals: Genetic and epigenetic contributions to the phenotype. *Brain Behav & Evol* 55:322–35
- Krug DA, Arick J & Almond P (1980) Behaviour checklist for identifying severely handicapped individuals with high levels of autistic behaviour. *JCPP* 21:221–9
- Krumlind-Sundholm L & Eliasson AC (2002) Comparing tests of tactile sensibility: aspects relevant to testing children with spastic hemiplegia. *DMCN* 44:604–612
- Ku A, Lachmann EA & Nagler W (1996) Selective language aphasia from herpes simplex encephalitis. *Pediatr Neurol* 15:169–71
- Kuciewicz MT, Cimbalkin J, Garcia-Salinas JS *et al.* (2024) High frequency oscillations in human memory and cognition: a neurophysiological substrate of engrams? *Brain* 147:2966–82
- Kucian K, Ashkenazi SS, Hänggi J *et al.* (2013) Developmental dyscalculia: A dysconnection syndrome? *Brain Struct Funct* 219:1721–33
- Kuehn SM, Keene DL, Richards PMP *et al.* (2002) Are there changes in intelligence and memory functioning following surgery for the treatment of refractory epilepsy in childhood? *Child Nerv Syst* 18:306–10
- Kugel J (1969) *Lichaamsplan – Lichaamsbesef – Lichaamsidee*. Proefschrift. Groningen: Wolters-Noordhoff NV
- Kugel J (1981) *Psychologie van het lichaam*. 5e druk, Het Spectrum, Utrecht, pp 182
- Kuhl P & Meltzoff AN (1982) The bimodal perception of speech in infancy. *Sci* 218:1138–41
- Kuhl PK (2000) A new view of language acquisition. *PNAS* 97:11850–7
- Kuhl PK, Tsao F-M, Liu H-M, *et al.* (2001) Language/culture/mind/ brain. Progress at the margins between disciplines. In: Damasio AR *et al.* (eds) *Unity of knowledge. The convergence of natural and human science*. *Ann NY Acad Sci* 935:136–74
- Kuhl PK, Tsao FM & Liu HM (2003) Foreign-language experience in infancy: Effects of short-term exposure and social interaction on phonetic learning. *Proc Natl Acad Sci USA* 100:9096–101
- Kuhl P (2007) Is speech learning gated by the social brain? *Dev Sci* 10: 110–120
- Kuhtz-Buschbeck JP, Krumlind Sundholm L, Eliasson AC *et al.* (2000) Quantitative assessment of mirror movements in children and adolescents with hemiplegic cerebral palsy. *Dev Med & Child Neurol* 42:728–36
- Kugel J (1981) *Psychologie van het lichaam*. 5e druk, Utrecht: Het Spectrum
- Kulkarni S (2024) Right- or left-handed? Protein in embryo cells might help decide. *Nature Comm*. 224 April
- Kulkarni AA, Chadd KE, Lambert SB (2022) Editorial Perspective: Speaking up for developmental language disorder – the top 10 priorities for research. *JCPP* 01 April, Doi.org/10.1111/jcpp.13592
- Kumar A, Sundaram SK, Sivaswamy L *et al.* (2010) Alterations in frontal lobe tracts and corpus callosum in young children with autism spectrum disorder. *Cereb Cortex* 20:2103–13
- Kumar S, Karmakar P & Mohanan A (2014) Language regression in children with Autism Spectrum Disorders. *Int J Pediatr Otorhinolaryngol* 78:334–8
- Kumar S, Tansley-Hancock O, Sedley W *et al.* (2017) The Brain Basis for Misophonia. *Curr Biol* 27:527–33
- Kumral E, Çetin FE & Özdemir HN (2023) Cognitive and Behavioral Disorders in Patients with Superior Parietal Lobule Infarcts. *Can J Neurol Sci* 50:
- Kung K-L (1989) Auditory brainstem responses in patients with neonatal hyperbilirubinemia and bilirubin encephalopathy. *Brain Dev* 11:297–301
- Kung KTF, Spencer D, Pasternski V *et al.* (2016), No relationship between prenatal androgen exposure and autistic traits: convergent evidence from studies of children with congenital adrenal hyperplasia and of amniotic testosterone concentrations in typically developing children. *JCPP* 57:1455–62
- Kuperman S, Johnson B, Arndt S *et al.* (1996) Quantitative EEG differences in a nonclinical sample of children with ADHD and undifferentiated ADD. *JAACAP* 35:1009–17
- Kurgansky AV, Lomakin DI & Machinskaya RI (2020) Resting-state networks in adolescents with poor behavior regulation. An analysis of effective cortical connectivity in EEG source space. *J for Higher Nervous activity / ЖУРНАЛ ВЫСШЕЙ НЕРВНОЙ ДЕЯТЕЛЬНОСТИ* 70:723–37
- Kurien PA, Chong SY, Ptáček LJ *et al.* (2013) Sick and tired: how molecular regulators of human sleep schedules and duration impact immune function. *Curr Opin Neurobiol* 23:873–9
- Kurita H (1985) Infantile autism with speech loss before the age of 30 months. *JAACAP* 24:191–96
- Kurokawa S, Nomura K, Sanada K *et al.* (2024) A comparative study on dietary diversity and gut microbial diversity in children with autism spectrum disorder, attention-deficit hyperactivity disorder, their neurotypical siblings, and non-related neurotypical volunteers: a cross-sectional study. *JCPP* 65:1184–95
- Kurth F, Luders E, Pigdon L *et al.* (2018) Altered gray matter volumes in language-associated regions in children with developmental language disorder and speech sound disorder. *Dev Psychobiol* 60:814–24
- Kurth F, Schijven D, van den Heuvel OA *et al.* (2024) Large-scale analysis of structural brain asymmetries during neurodevelopment: Associations with age and sex in 4265 children and adolescents. *Hum Brain Mapp*. 2024;45:e26754
- Kussmaul A (1884) *Les troubles de la parole*. Baillière, Paris
- Kutchins H & Kirk SA (1997) *Making us crazy. DSM: The psychiatric bible and the creation of mental disorders*. Free Press, New York
- Kuzniecky R, Andermann F, Tampieri D *et al.* (1989) Bilateral central macrogyria: epilepsy, pseudobulbar palsy and mental retardation: a recognizable neuronal migration disorder. *Ann Neurol* 25:547–54
- Kwon HG, Son SM, Jang SH (2014) Development of the transcallosal motor fiber from the corticospinal tract in the human brain: diffusion tensor imaging study. *Front Hum Neurosci* 18:153
- Kwon SH, Scheinost D, Lacadie C *et al.* (2015) Adaptive Mechanisms of Developing Brain: Cerebral Lateralization in the Prematurely-Born. *Neuroimage*. 108:144–50
- Kwon SH, Scheinost D, Vohr B *et al.* (2016) Functional magnetic resonance connectivity studies in infants born preterm: suggestions of proximate and long-lasting changes in language organization *DMCN* 58 (Suppl. 4):28–34
- Kwok EYL, Joannisse MF, Archibald LMD *et al.* (2018) Immature auditory evoked potentials in children with moderate-severe developmental language disorder. *JSLHR* 3:1–13
- Kyoon LI, Noam GG, Lee ChK *et al.* (1996) The corpus callosum and lateral ventricles in children with attention-deficit hyperactivity disorder

der: A brain magnetic resonance imaging study. *Biol Psychiat* 40:1060–3

L —

Laan L & Clayton-Smith J (2003) Angelman syndrome: a review of the clinical and genetic aspects. *J Med Genet* 40:87–95

Laberge L, Tremblay R & Vitaro F (2000) Development of parasomnias from childhood to early adolescence. *Pediatrics* 106:67–74

Lacey RE, Gondek D, Smith BJ *et al.* (2023) Testing lifecourse theories characterising associations between maternal depression and offspring depression in emerging adulthood: the Avon Longitudinal Study of Parents and Children. *JCPP* 64:1149–58

Lacoste de M–C, Holloway RL & Woodward DJ (1986) Sex differences in the fetal human corpus callosum. *Human Neurobiol* 5:93–96

Lacoste de M–C, Kirkpatrick JB & Ross ED (1985) Topography of the human corpus callosum. *J Neuropathol Exp Neurol* 44:578–91

Lacroix E, Atkinson MJ, Garbett KM *et al.* (2020). One size does not fit all: Trajectories of body image development and their predictors in early adolescence. *Dev Psychopath*, 34:285–94

Ladavas E, Umiltà C & Ricci-Bitti PE (1979) Evidence for sex differences in right-hemisphere dominance for emotions. *Neuropsychol* 18:361–66

Laegreid L, Hagberg G & Lundberg A (1992) Neurodevelopment in late infancy after prenatal exposure to benzodiazepines – A prospective study. *Neuropediatr* 23:60–7

Laeng B & Peters M (1995) Cerebral lateralization for the processing of spatial coordinates and categories in left- and right-handers. *Neuropsychol* 33:421–39

Lafeber Chr (1982) *Psychotic children*. (Dutch) Lemniscaat, Rotterdam

Lafon JC (1967) *Les Rythmes*. Ed SIMEP, Lyon

Lafosse C (2012) *Zakboek neuropsychologische symptomatologie*. Leuven: Acco pp 332

Lagae LG, Silberstein J, Gillis PhL *et al.* (1998) Successful use of intravenous immunoglobulins in Landau–Kleffner syndrome. *Pediatr Neurol* 18:165–8

Lahat E, Avital E, Barr J *et al.* (1995) BAEP studies in children with attention deficit disorder. *DMCN* 37:119–23

Lahat E, Raziel A, Friedler S *et al.* (1999) Long-term follow-up of children born after inadvertent administration of a gonadotrophin-releasing hormone agonist in early pregnancy. *Human Reprod* 14:2656–60

Lahey BB, Pelham PE, Schaughency EA *et al.* (1988) Dimensions and types of attention deficit disorder. *J Am Child Adol Psychiat* 27:330–5

Lai CSL, Fisher SE, Hurst JA *et al.* (2000) The SPCH1 regio on human 7q31: genomic characterization of the critical interval and localization of translocations associated with speech and language disorder. *Am J Hum Gen* 67:357–68

Lal H & Shearman GT (1981) *Psychopharmacology of clonidine. Psychotropic actions of clonidine*. Alan R Liss, New York pp 99–145

Lai M–C, Lombardo MV, Chakrabarti B, Baron-Cohen S (2013) Subgrouping the Autism

“Spectrum”: Reflections on DSM-5. *PLoS Biol* 11:e1001544

Lainhart JE, Piven J, Wzorek M *et al.* (1997) Macrocephaly in children and adults with autism. *JAACAP* 36:282–90

Lairy G & Netchine S (1960) Signification psychologique et clinique de l'organisation spatiale de l'EEG chez l'enfant. *Rev Neurol* 102:380–88

Lake D A & Bryden M P (1976) Handedness and sex differences in hemispheric asymmetry. *Brain Lang* 3:266–82

Lam KSL, Aman MG & Arnold LE (2006) Neurochemical correlates of autistic disorders: A review of the literature. *Res in Dev Disabil* 27:254–89

LaMantia AS & Rakic P (1990) Axon overproduction and elimination in the corpus callosum of the developing rhesus monkey. *J Neurosci* 10:2156–75

Lambrech Smith S, Roberts JA, Locke JL *et al.* (2010) An exploratory study of the development of early syllable structure in reading-impaired children. *J Learn Disab* 43:294–307

Lameira AR, Hardus ME, Bartlett AM *et al.* (2016) Speech-Like rhythm in a voiced and voiceless orangutan call. *PLoS ONE* 10(1): e116136

Lamm C, Bukowski H & Silani G (2016) From shared to distinct self–other representations in empathy: evidence from neurotypical function and socio-cognitive disorders. *Phil Trans R Soc* 371: (1686):20150083

Lamm C, Nusbaum HC, Meltzoff AN *et al.* (2007) What are you feeling? Using functional magnetic resonance imaging to assess the modulation of sensory and affective responses during empathy for pain PLoS ON 2: e1292

Lancaster HS & Camarata S (2019) Reconceptualizing developmental language disorder as a spectrum disorder: issues and evidence. *Int J Lang Commun Disord* 54:79–94

Lancel M, van Veen M & Kamphuis J (2020) *Slaapstoornissen in de psychiatrie*. Houten: Bohn, Stafleu, van Loghum

Landau WM & Kleffner FR (1957) Syndrome of acquired aphasia with convulsive disorder in children. *Neurol* 7:523–30

Landau YE, Auerbach JG, Gross–Tsur V *et al.* (2003) Speed of performance of children with developmental right hemisphere syndrome and with attention–deficit hyperactivity disorder. *J Child Neurol* 18:264–8

Landau YE, Gross–Tsur V, Auerbach JG *et al.* (1999) Attention deficit hyperactivity disorder and developmental right-hemisphere syndrome: Congruence and incongruence of cognitive and behavioral aspects of attention. *J Child Neurol* 14:299–303

Landgren M, Gillberg Chr & Strömblad K (1992) Goldenhar syndrome and autistic behaviour. *DMCN* 34:999–1005

Landgren M, Kjellman B & Gillberg C (2000) Deficits in attention, motor control and perception (DAMP): a simplified school entry examination. *Acta Paediatr* 89:302–9

Landgren M, Pettersson F, Kjellman B *et al.* (1996) ADHD, damp, and other neurodevelopmental/psychiatric disorders in 6-year–old

children: Epidemiology and comorbidity. *DMCN* 38:891–906

Landry-Roy C, Bernier A, Gravel J *et al.* (2018) Executive Functions and Their Relation to Sleep Following Mild Traumatic Brain Injury in Preschoolers. *JINS* 24:769–80

Landsmeer H (1994) Over het functionele universum. www.nrc.nl/nieuws/1994/07/16/anatoom-hans-landsmeer

Lane C, Milne E, Freeth M (2016) Cognition and Behaviour in Sotos Syndrome: A Systematic Review. *PLoS One*.11:e0149189.

Lane RD, Reiman EM, Ahern GL *et al.* (1997) Neuroanatomical correlates of happiness, sadness and disgust. *Am J Psychiat* 154:926–933

Lang W, Obrig H, Cheyne D *et al.* (1990) Supplementary motor area activation while tapping bimanually different rhythms in musicians. *Exp Brain Res* 79:504–14

Langdell T (1978) Recognition of faces: An approach to the study of autism. *JCPP* 19:255–68

Langdon D & Warrington EK (2000) The role of the left hemisphere in verbal and spatial reasoning tasks. *Cortex* 36:691–702

Lange CG (1885) Om Sindsbevaegelser: Et psyko-fysiologiske Studie (Dansk) NL: Over gemoedsbewegingen: een psychofysiologische studie. (*The emotions*, 1922, Baltimore: Williams & Wilkins)

Lange–Cosack H, Wider B, Schlesener H–J *et al.* (1979) Spätfolgen nach schädelhirntraumen im Säuglings– und Kleinkindalter(1.–5. Lebensjahr). *Neuropädiatr* 10:105–27

Langen, M, Bos, D, Noordermeer, SDS *et al.* (2014). Changes in the development of striatum are involved in repetitive behavior in autism. *Biol Psychiat*, 76:405–11

Langerak RM, La Mantia CL & Brown LE (2013) Global and local processing near the left and right hands. *Front Psychol* 4:793–810

Langton SRH, Watt RJ & Bruce V (2000) Do the eyes have it? Cues to the direction of social attention *Trends Cognit Sci* 4:50–9

Lanser JBK (1985) *Sequelae of head trauma in children*. (Dutch) Thesis, Leiden

Lanser JBK, Jennekens–Schinkel A & Peters ACB (1988) Headache after closed head injury in children. *Headache* 28:176–9

Laplane D, Talairach J, Meininger V *et al.* (1977) Clinical consequences of corticectomies involving the supplementary motor area in man. *J Neurosci* 34:301–14

Laplanche J (1987) Nouveaux fondements pour la psychanalyse. Paris: PUF. *New foundations for psychoanalysis*. Translation D Macey (1990), Oxford: Blackwell

Laporte N, Sébire G, Gillerot Y *et al.* (2002) Cognitive epilepsy: ADHD related to focal EEG discharges. *Pediatr Neurol* 27:307–11

Largo RH, Caffish JA, Hug F *et al.* (2001a) Neuromotor development from 5 to 18 years. Part I: Timed performance. *DMCN* 43:436–43

Largo RH, Caffish JA, Hug F *et al.* (2001b) Neuromotor development from 5 to 18 years. Part 2: Associated movements. *DMCN* 43:444–53

Largo RH, Graf S, Kundu S *et al.* (1990) Predicting developmental outcome at school age from

- infant tests of normal, at risk and retarded infants. *DMCN* 32:30–45
- Largo RH & Howard JA (1979) Developmental progression in play behavior of children between nine and thirty months I: Spontaneous play and imitation. *DMCN* 21:299–310
- Largo RH & Howard JA (1979) Developmental progression in play behavior of children between nine and thirty months II: Spontaneous play and language development. *DMCN* 21: 492–503
- Largo RH, Molinari L, Comenale Pinto L *et al.* (1986) Language development of term and preterm children during the first five years of life. *DMCN* 28:333–50
- Larroche J-C (1984) Perinatal brain damage. In: Adams JH, Corsellis JA & Duchen LW (eds) *Greenfield's neuropathology*. Arnold, London pp 451–89
- Larsen A, Bundesen C, Kyllingsbaek S *et al.* (2000) Brain activation during mental transformation of size. *J Cognit Neurosci* 12:763–74
- Larsen FW & Mouridsen SE (1997) The outcome in children with childhood autism and Asperger syndrome originally diagnosed as psychotic. A 30-year follow-up study of subjects hospitalized as children. *Eur Child & Adolesc Psychiat* 6:181–90
- Larson C, Thomas HR, Crutcher J *et al.* (2025) Language networks in Autism Spectrum Disorder: A systematic review of connectivity-based fMRI studies. *Rev J Autism Dev Disord*. 12:110–37
- Larson EB, Burnison DS & Brown WS *et al.*, (2002) Callosal function in multiple sclerosis: bimanual motor coordination *Cortex* 38:201–14
- Larson KA (1982) The sensory history of developmentally delayed children with and without tactile defensiveness. *Am J Occup Therap* 36:590–6
- LaRue J, Bard C, Fleury M *et al.* (1995) Is proprioception important for the timing of motor activities? *Can J Physiol Pharmacol* 73:255–61
- Lasco MS, Jordan TJ, Edgar MA *et al.* (2002) A lack of dimorphism of sex or sexual orientation in the human anterior commissure. *Brain Res* 936:95–8
- Lashley KS (ed 1929) *Brain mechanisms and intelligence*. Univ Chicago Press, Chicago
- Lassen NA, Ingvar DH, Skinhoj E (1978) Brain function and blood flow. *Sci Am* 239:50–9
- Lassonde M (1994) Disconnection syndrome in callosal agenesis. In: M Lassonde and M Jeeves (eds) *Callosal agenesis: A natural split-brain?* Plenum Press, New York, pp 275–84
- Lassonde M & Jeeves M (eds 1994) *Callosal agenesis: A natural split-brain?* Plenum Press, New York
- Lassonde M, Sauerwein H, Chicoine A-J *et al.* (1991) Absence of disconnection syndrome in callosal agenesis and early callosotomy: Brain reorganization or lack of structural specificity during ontogeny? *Neuropsychologia* 29:481–95
- Lassonde M, Sauerwein H, Geoffroy G *et al.* (1986) Effects of early and late transection of the corpus callosum in children. A study of tactile and tactuomotor transfer and integration. *Brain* 109:953–67
- Lassonde M, Sauerwein HC & Lepore F (1995) Extent and limits of callosal plasticity: Presence of disconnection symptoms in callosal agenesis. *Neuropsychol* 33:989–1007
- Laszlo JI & Bairstow PJ (1980) The measurement of kinaesthetic sensitivity in children and adults. *DMCN* 22:454–64
- Laszlo JI & Bairstow PJ (1985) *Perceptual-motor behavior. Developmental assessment and therapy*. Holt, Rinehart and Winston, London
- Laufer M & Denhoff E (1957) Hyperkinetic behaviour syndrome in children. *J of Pediatrics* 50:463–74
- Launay CI & Borel-Maisonny S (1972) *Les troubles du langage, de la parole et de la voix chez l'enfant*. Masson, Paris
- Launay CI & Raimbault J (1962) L'écriture et le langage écrit chez l'enfant épileptique. *Psychiat de l'enfant* 5:175–206
- Lausberg H, Cruz RF, Kita S *et al.* (2003) Pan-tomime to visual presentation of objects: Left hand dyspraxia in patients with complete callosotomy. *Brain* 126:343–60
- Lausberg H, Davis M & Rothenhäusler A (2000) Hemispheric specialization in spontaneous gestulation in a patient with callosal disconnection. *Neuropsychologia* 38:1654–63
- LaVelle A & LaVelle FW (1984) Neuronal reaction to injury during development. In: Finger S & Almli CR (eds) *Early brain damage, vol ii. Neurobiology and behavior*. Acad Press, New York, pp 7–14
- Law J, Boyle J, Harris F *et al.* (2000) Prevalence and natural history of primary speech and language delay: findings from a systematic review of the literature. *Int J Lang Commun Disord* 35:165–88
- Law J & Conway J (1992) Effect of abuse and neglect on the development of children's speech and language. *Dev Med Child Neurol* 34:943–48
- Lawrence K, Kuntsi J, Coleman M *et al.* (2003) Face and emotion recognition deficits in Turner syndrome: A possible role for X-linked genes in amygdala development. *Neuropsychol* 17:39–49
- Lawson JA, Vogrin S, Bleasel AF *et al.* (2000) Predictors of hippocampal, cerebellar, and cerebellar volume reduction in childhood epilepsy. *Epilepsia* 41:1540–5
- Layton TJ, Barnett, ML & Hicks TR (2018) Attention Deficit-Hyperactivity Disorder and Month of School Enrollment. *N Engl J Med* 379:2122–30
- Lazarus J-AC & Todor JI (1987) Age differences in the magnitude of associated movements. *DMCN* 29:726–33
- Lê S, Cardebat D, Boulanouar K *et al.* (2002) Seeing, since childhood, without ventral stream: A behavioural study. *Brain* 125:58–74
- Leavens, David A, Tagliatela *et al.* (2014) From grasping to grooming to gossip: innovative use of chimpanzee signals in novel environments supports both vocal and gestural theories of language origins. In: *The evolution of social communication in primates: a multidisciplinary approach. Interdisciplinary evolution research*, 1. Springer, New York, pp. 179–94
- Lebeer J (1998) How much brain does a mind need? Scientific, clinical and educational implications of ecological plasticity. *DMCN* 40:352–7
- Lebel C & Beaulieu C (2009) Lateralization of the arcuate fasciculus from childhood to adulthood and its relation to cognitive abilities in children. *Hum Brain Mapp* 30:3563–73
- Lebel C & Deoni S (2018) The development of brain white matter microstructure. *NeuroImage*. 182:207–18
- Lebovici S (1997) Défense et illustration du concept de narcissisme primaire. Les avatars du narcissisme primaire et le processus de subjectivation. *Psychiatrie de l'Enfant* 40: 429–63
- Leboyer M, Osherson DN, Nosten M *et al.* (1988) Is autism associated with anomalous dominance? *J Autism Dev Disord* 18:539–51
- Lecce S, Ronchi L & Del Sette P (2018) Interpreting physical and mental metaphors: Is Theory of Mind associated with pragmatics in middle childhood? *J Child Lang* 46:393–407
- Leckman JF & Cohen DJ (1999) Tourette's syndrome. Tics, Obsessions, Compulsions. J Wiley & Sons, New York, pp 583
- Leckman JF, Zhang H, Alsobrook JP *et al.* (2001) Symptom dimensions in obsessive-compulsive disorder: Toward quantitative phenotypes. *Am J Med Genet (Neuropsychiat Genet)* 105:28–30
- Leconte P & Fagard J (2006) Lateral Preferences in Children with Intellectual Deficiency of Idiopathic Origin. *Dev Psychobiol* 48:492–500
- Lecours AR (1981) Morphological maturation of the brain and functional lateralisation for verbal skills. In: Lebrun I & Zangwill O (eds.) *Lateralisation of language in the child*. Swets and Zeitlinger, Lisse, pp 25–39
- Lecours AR (1975) Myelogenetic Correlates of the Development of Speech en Language. In: Lenneberg EH & Lenneberg E (eds) *Foundation of Language Development. A Multidisciplinary Approach. Volume i*. Academic Press, New York, 121–135
- Lederman SJ & Klatzky RL (1998) The hand as a perceptual system. In: Connolly K (ed) *The psychobiology of the hand*. Mac Keith Press. pp 16–35
- LeDoux J, Wilson D & Gazzaniga M (1977) Manipulo-spatial aspects of cerebral lateralization: clues to the origin of lateralization. *Neuropsychologia* 15:743–50
- LeDoux JE (1979) Parietooccipital symptomatology. In: Gazzaniga MS (ed) *vol ii. Neuropsychology*. FA King (general ed) *Handbook of Behavioral Neurobiology*. Plenum Press, New York, pp 61–74
1829. LeDoux JE (1996) *The emotional brain*. Simon & Schuster, New York
- Lee BCP, Kuppusamy K, Grueneich R *et al.* (1999) Hemispheric language dominance in children demonstrated by functional magnetic resonance imaging. *J Child Neurol* 14:78–82
- Lee DN, Daniel BM, Turnbull J *et al.* (1990) Basic perceptuo-motor dysfunctions in cerebral palsy. In: Jeannerod M (ed) *Attention and performance XIII: motor representation and control*. pp. 583–601. Hillsdale: Lawrence Erlbaum
- Lee J, Mayall LA, Bates KE *et al.* (2021). The relationship between motor milestone achievement and childhood motor deficits in children with Attention Deficit Hyperactivity Disorder (ADHD) and children with Develop-

- mental Coordination Disorder. *Res Dev Disab* 113: 103920
- Lee MM, Drury BC, McGrath LM *et al.* (2023) Shared grey matter correlates of reading and attention. *Brain Lang* 237:105230
- Lee YH, Cherkerzian S, Seidman LJ *et al.* (2019) Maternal Bacterial Infection During Pregnancy and Offspring Risk of Psychotic Disorders: Variation by Severity of Infection and Offspring Sex. *Am J Psychiat* 177:66–75
- Leegwater PAJ, Pro nk JC & van der Knaap MS (2003) Leukoencephalopathy with vanishing white matter: From magnetic resonance imaging pattern to five genes. *J Child Neurol* 18:639–45
- Leek MR & Brandt JF (1983) Lateralization of rapid auditory sequences. *Neuropsychol* 21:67–77
- Leekam S, Baron-Cohen S, Perrett D *et al.* (1997) Eye-direction detection: A dissociation between geometric and joint attention skills in autism. *Brit J Dev Psychol* 15:77–95
- Leekam SR, Hunnisett E & Moore C (1998) Targets and cues: Gaze following in children with autism. *JCPP* 39:951–62
- Leentjes A & Verhey F (2001) Neuropsychiatrie en gedragsneurologie: grensovergang of niet-mandsland? *Ned T v Neurol* 4:101–5
- Lees AJ (1985) *Tics and related disorders*. Churchill Livingstone, Edinburgh
- Le Gall D & Aubin G (1994) *L'apraxie*. Solal Ed, Marseille pp 294
- Lee-Teng E & Sperry RW (1966) Intermanual stereognostic size discrimination in split-brain monkeys. *J Comp Physiol Psychol* 62:84–9
- Leff AP, Scott SK, Crewes H *et al.* (2000) Impaired reading in patients with right hemianopia. *Ann Neurol* 47:171–8
- Legerstee M (1990) Infants use multimodal information to imitate speech sounds. *Infant Beh Dev* 13:343–54
- Legerstee M (1992) A review of the animate/inanimate distinction in infancy: Implications for models of social and cognitive knowing. *Early Devel and Parent* 1:59–62
- Legerstee M (1997) Contingency effects of people and objects on subsequent cognitive functioning in three-month-old infants. *Social Dev* 6: 307–21
- Legerstee M (2005) *Infants' sense of people*. New York: Cambridge University Press
- Legerstee M & Varghese J (2001) The role of affect mirroring on social expectancies in three-month-old infants. *Child Dev* 72:1301–13
- Legerstee M, Pomerleau A, Malacuit G & Feider H (1987) The development of infants' responses to people and a doll: Implications for research in communication. *Infant Beh and Dev* 10:81–95
- Legerstee M, Van Beek Y & Varghese M (2002) Effects of maintaining and redirecting infant attention on the production of referential communication in infants with and without Down Syndrome. *J Child Lang* 29:23–48
- Leggett V, Jacobs P, Nation K *et al.* (2010) Neurocognitive outcomes of individuals with a sex chromosome trisomy: XXX, XYY, or XXY: a systematic review. *DMCN* 52:119–29
- Lehmkuhl G (1984) Ideomotorische und ideatorische Apraxie im Kindesalter. *Acta Paedopsychiat* 50:97–110
- Lehmkuhl G, Kotlarek F & Schieber PM (1981) Neurologische und neuropsychologische Befunde bei Kindern mit angeborenen umschriebenen Hirnläsionen. *Z Kinder-Jugendpsychiat* 9:126–38
- Lehongre K, Ramus F, Villiermet N *et al.* (2011) Altered low-gamma sampling in auditory cortex accounts for the three main facets of dyslexia. *Neuron* 72:1080–90
- Leichner R (1999) Unbewusste Wahrnehmung von emotionalen Stimuli und Hemisphärenasymmetrien. *Z Psychol* 207:207–31
- Leiguarda RC & Marsden D (2000) Limb apraxias – Higher order disorders of sensorimotor integration. *Brain* 123:860–79
- Leisman G & Melillo R (2004) Functional brain organization in developmental dyslexia. In: Tobias HD *Focus on Dyslexia Research*. Hauppauge, NY
- Leiner HC, Leiner AL & Dow RS (1993) Cognitive and language functions of the human cerebellum. *TINS* 16:444–7
- Leitao S, Hogben J & Fletcher J (1997) Phonological processing skills in speech and language impaired children. *Eur J Disord Commun* 32:91–111
- Lejeune H, Maquet P, Bonnet M *et al.* (1997) The basic pattern of activation in motor and sensory temporal tasks – positron emission tomography data. *Neurosci Lett* 235:21–24
- Lemay M (1976) Morphological cerebral asymmetries of modern man, fossil man, and nonhuman primates. *Ann N Y Acad Sci* 280:349–66
- Lemay M (2003) *L'autisme aujourd'hui*. Paris: Odile Jacob
- Lemire RJ, Loeser JD, Leech RW *et al.* (1975) *Normal and abnormal development of the human nervous system*. Maryland, Hagerstown: Harper & Row
- Lemma A (2021) *Transgender Identities: A Contemporary Introduction*. New York: Routledge, pp 132
- Lemma A (2001) *Under the skin: a psychoanalytic study of body modification*. London: Taylor & Francis
- Lemmers PMA, Benders MJNL, D'Ascenzo R *et al.* (2016) Patent Ductus Arteriosus and Brain Volume. *Pediat* 137 e20153090
- Lemoine P, Harousseau H, Borteyru J-P *et al.* (1968) Les enfants de parents alcooliques: anomalies observées. A propos de 127 cas. *Ques Médicale* 21:476–82
- Lemonnier E (2010) Psychopathology in children with dyspraxia. *Arch Pédiat* (French) 17:1243–8
- Lempers JD, Flavell ER & Flavell JH (1977) The development in very young children of tacit knowledge concerning visual perception. *Genet Psychol Monogr* 95:3–53
- Lende DH & Downey G (Eds) (2012) *The Encultured Brain: An Introduction to Neuroanthropology*. Cambridge, MA: The MIT Press, 438 pp.
- Lenneberg EH (1967) *Biological foundation of language*. New York, Wiley
- Le Normand MT (1986) A developmental exploration of language used to accompany symbolic play in young, normal children (2–4 years old). *Child: care, health and development* 12:121–34
- Le Normand MT, Vaivre-Douret L, Payan C *et al.* (2000) Neuromotor development and language processing in developmental dyspraxia: a follow-up case study. *J Clin and Exp Neuropsychol* 22:1–10
- Lenti C & Lenti-Boero (1999) Decoding of emotional expressions in children and adolescents. *Perc Mot Skills* 89:808–14
- Lenzi D, Trentini C, Pantano P *et al.* (2009) Neural Basis of Maternal Communication and Emotional Expression Processing during Infant Preverbal Stage. *Cerebral Cortex* 19:1124–33
- Leonard LB, Bolders JG & Miller JA (1976) An examination of the semantic relations, reflected in the language usage of normal and language-disordered children. *J Speech Hear Res* 19:371–92
- Leonard LB, Schwartz RG, Chapman K *et al.* (1982) Early lexical acquisition in children with specific language impairment. *J Speech Hear Res* 25:554–64
- Leonard MK, Gwilliams L, Sellers KK *et al.* (2024) Large-scale single-neuron speech sound encoding across the depth of human cortex. *Nature* 626:593–602
- Lepage J-F & Théoret H (2007) The mirror neuron system: grasping others' actions from birth? *Dev Sci* 10:513–23
- Lepore F, Lassonde M, Poirier P *et al.* (1994) Midline sensory integration in callosal agenesis. In: Lassonde M & Jeeves M (eds) *Callosal agenesis: A natural split-brain?* Plenum Press, New York, pp 155–70
- Lepore F, Pito M & Jasper HH (eds, 1989) *Two hemispheres—one brain: Functions of the corpus callosum*. Alan R Liss Inc, New York,
- Leppänen P, Hämäläinen J, Salminen H *et al.* (2010) Newborn brain event-related potentials revealing atypical processing of sound frequency and the subsequent association with later literacy skills in children with familial dyslexia. *Cortex* 46:1362–76
- Lerch JP, Worsley K, Shaw WP *et al.* (2006) Mapping anatomical correlations across cerebral cortex (MACACC) using cortical thickness from MRI. *Neuroim* 31:993–1003
- Lerer RJ, Artner J & Lerer P (1979) Handwriting deficits in children with minimal brain dysfunction: Effects of methylphenidate (Ritalin) and placebo. *J Learn Disab* 12:450–5
- Lerman P & Kivity S (1975) Benign focal epilepsy of childhood. *Arch Neurol* 32:261–64
- Leroi-Gourhan A (1964) *Le geste et la parole*. Technique et Langage. Albin Michel, Paris
- Leroy F, Glasel H, Dubois J *et al.* (2011). Early maturation of the linguistic dorsal pathway in human infants. *J Neurosci* 31:1500–06
- Lesca G, Rudolf G, Labalme A *et al.* (2012) Epileptic encephalopathies of the Landau-Kleffner and continuous spike and waves during slow-wave sleep types: genomic dissection makes the link with autism. *Epilepsia* 53:1526–38
- Lesch KP (2019) Editorial: Can dysregulated myelination be linked to ADHD pathogenesis and persistence? *JCPP* 60:229–31

- Leslie AM (1982) The perception of causality in infants. *Perception* 11: 173–86
- Leslie AM (1984) Infant perception of agency (in a hand pick-up event) *Brit J Dev Psychol* 2:19–32
- Leslie AM (1993) A theory of agency. Techn. Rep. Rutgers Un., Cntr cogn sci and MRC Cogn Dev Unit, Un. London.
- Leslie AM (1993) A theory of agency. Technical Report Rutgers University, Center for cognitive science and MRC Cognitive Development Unit, University London.
- Leslie AM (1994) TOMM, TOBY, and Agency: Core architecture and domain specificity. In: Mapping the mind: Domain specificity in cognition and culture, ed. Hirschfeld LA & Gelman SA New York: Cambridge University Press, pp. 119–48
- Letourneau PC (1987) What happens when growth cones meet neurites: Attraction or repulsion? *TINS* 10:390–3
- Leung PWL & Connolly KJ (1994) Attentional difficulties in hyperactive and conduct-disordered children: A processing deficit. *JCPP* 35:1229–45
- Leung RC, Vogan VM, Powell TL *et al.* (2016) The role of executive functions in social impairment in autism spectrum disorder. *Child Neuropsychol* 22:336–44
- Levander MB & Sonesson BG (1998) Are there any mild interhemispheric effects after moderately severe closed head injury. *Brain Injury* 12:165–73
- Levay S (2014) A Difference in Hypothalamic Structure Between Heterosexual and Homosexual Men. *Science* 253:1034–37
- Levitt W *et al.* (1999) A theory of lexical access in speech production. *Behav & Brain Sci* 22:1–75
- Levene MI, Wigglesworth JS & Dubowitz V (1983b) Hemorrhagic periventricular leukomalacia in the neonate: A real-time ultrasound study. *Pediatr* 71 794–97
- Levene MI, Williams JL & Fawer C-L (1985) Ultrasound of the infant brain. *Clin Dev Med* 92, SIMP, Blackwell, Oxford Lippincott, Philadelphia
- Levi P (1958/2022) *Is dit een mens?* Amsterdam: Meulenhoff
- Levi-Montalcini R & Calissano P (1986) Nerve growth factor as a paradigm for other polypeptide growth factors. *TINS* 9:473–77
- Levin HS, Benavidez DA, Verger-Maestre K *et al.* (2000) Reduction of corpus callosum growth after severe traumatic brain injury in children. *Neurol* 54:647–53
- Levin HS, Benton AL & Grossman R (1982) *Neurobehavioural consequences of closed head injury*. Oxford Univ Press, New York
- Levin HS & Chapman SB (2000) Contribution of frontal lobe lesions to cognitive deficit after closed head injury in children. In: D Riva & A Benton (eds) *Localization of brain lesions and developmental functions*. Mariani Found Paed neurol series: 9. J Libbey & Cy, Eatleigh, England. pp 97–108
- Levin HS, Eisenberg HM & Benton AL (eds, 1991) *Frontal lobe function and dysfunction*. Oxford University Press, New York, pp unknown
- Levin HS, Hanten G, Chang Ch-Ch *et al.* (2002) Working memory after traumatic brain injury in children. *Ann Neurol* 52:82–8
- Levin HS, Mattis S, Ruff RM *et al.* (1987) Neurobehavioral outcome following minor head injury: A three-center study. *J Neurosurg* 66:234–43
- Levin HS, Song J, Ewing-Cobbs L *et al.* (2001) Word fluency in relation to severity of closed head injury, associated frontal brain lesions, and age at injury in children. *Neuropsychol* 39:122–31
- Levin HS (1973) Evaluation of the tactile component in a proprioceptive feedback task. *Cortex* 9:197–203
- Levin HS & Spiers PA (1985) The acalculias. In: Heilman KM & Valenstein E (eds) *Clinical neuropsychology*. Oxford Univ Press, New York, pp 97–112
- Levin HS & D Zakay (eds, 1989) *Time and human cognition. A life-span perspective. Advances in Psychology*. 59 GE Stelmach and PA Vroom (eds). NHP, Amsterdam, pp 410
- Levin KH & Lüders HO (2000) *Comprehensive Clinical Neurophysiology*. Souders Cy, Philadelphia, pp 627
- Levine DN, Hier DB & Calvanio R (1981) Acquired learning disability for reading after left temporal lobe damage in childhood. *Neurol* 31:257–64
- Levine MD, Carey WB & Crocker AC (eds, 1999) *Developmental Behavioural Pediatrics*. 3rd ed, WB Souders Cy, Philadelphia
- Levisohn L, Cronin-Golomb A & Schmahmann JD (2000) Neuropsychological consequences of cerebellar tumour resection in children – Cerebellar cognitive affective syndrome in a paediatric population. *Brain* 123:1041–50
- Levi-Strauss C (2009) *Het wilde denken*. Amsterdam: Meulenhoff
- Levitin DJ & Bellugi U (1998) Musical abilities in individuals with Williams syndrome. *Music Perception* 15:357–89
- Levitin DJ, Menon V, Schmitt JE *et al.* (2003) Neural correlates of auditory perception in Williams syndrome: An fMRI study. *Neuroimage* 18:74–82
- Leviton A & Gilles FH (1984) Acquired Perinatal leucencephalopathy. *Ann Neurol* 16:1–8
- Levman J, Vasung L, MacDonald P *et al.* (2018) Regional Volumetric Abnormalities in Pediatric Autism Revealed by Structural Magnetic Resonance Imaging. *Int J Dev Neurosci* 71:34–45
- Levy J (1985) Interhemispheric collaboration: single mindedness in the asymmetric brain. In: Best CT (ed) *Hemisphere function and collaboration in the child*. Academic Press, New York, pp 11–32
- Levy J & Nagylaki T (1972) A model for the genetics of handedness. *Genetics* 72:117–28
- Levy R (2024) The prefrontal cortex: from monkey to man. *Brain*. 147:794–815
- Lewis BA & Freebairn L (1997) Subgrouping children with familial phonologic disorders. *J Commun Disord* 30:385–402
- Lewis L & Krupenye C (2022) Eye-tracking as a window into great ape social cognition. Invited submission, *Am J Primatol*, e23393
- Lewis M & Carmody D (2008) Self representation and brain development. *Dev Psychol* 44:1329–34
- Ley RG & Bryden MP (1982). A dissociation of right and left hemispheric effects for recognizing emotional tone and verbal content. *Brain Cogn* 1:3–9
- Lezak MD (1983) *Neuropsychological assessment* (sec ed). Oxford Un Press, New York
- Lhermitte F (1986) Human autonomy and the frontal lobes, Part ii: Patient behavior in complex and social situations: The ‘environmental dependency syndrome’. *Ann Neurol* 19:335–43
- Lhermitte F, Pillon B & Serdaru M (1986) Human autonomy and the frontal lobes, Part i: Imitation and utilization behavior: A neuropsychological study of 75 patients. *Ann Neurol* 19:326–34
- Li B, Blijd-Hoogewys EMA, Stockmann L *et al.* (2024) The early development of emotion recognition in autistic children: Decoding basic emotions from facial expressions and from emotion-provoking situations. *Dev Psychopathol*. Aug 3:1–12
- Li Y, Shen M, Stockton ME *et al.* (2018) Hippocampal deficits in neurodevelopmental disorders. *Neurobiol of Learn & Mem* 1–14
- Li Z, Pulopulos M, Allaert J *et al.* (2022) Resting HRV as a trait marker of rumination in healthy individuals? A large cross-sectional analysis. *Psychophysiol*. preprint
- Liberman AM & Mattingly IG (1989) A specialization for speech perception. *Sci* 243:489–94
- Liberman IY, Mann VA, Shankweiler D *et al.* (1982) Children’s memory for recurring linguistic and nonlinguistic material in relation to reading ability. *Cortex* 18:367–75
- Lidsky Thl & Schneider JS (2003) Lead neurotoxicity in children: Basic mechanisms and clinical correlates. *Brain* 126:5–19
- Lieberman P (2002) *Human Language and Our Reptilian Brain: The Subcortical Bases of Speech, Syntax, and Thought*. Cambridge, MA: Harvard Un Press
- Lieberman P (2007) The evolution of human speech. *Curr Anthropol* 48:39–46
- Lichtenstein P, Carlström E, Råstam M *et al.* (2010) The Genetics of Autism Spectrum Disorders and Related Neuropsychiatric Disorders in Childhood. *Am J Psychiat* 167:1357–63
- Liebhardt G, Sontheimer D & Linder-kamp O (2000) Visual-motor function of very low birth weight and full-term children at 3 1/2 to 4 years of age. *Early Human Dev* 57:33–47
- Liederman J (1983) Mechanisms underlying instability in the development of hand preference. In: Young G, Segalowitz SJ, Corter CM *et al.* (eds) *Manual specialization and the developing brain*. Academic Press, New York, pp 71–92
- Liederman J, Merola JL & Hoffman C (1986) Longitudinal data indicate that hemispheric independence increases during adolescence. *Dev Neuropsychol* 2:183–201
- Liégeois FJ, Butler J, Morgan AT *et al.* (2016) Anatomy and lateralization of the human corticobulbar tracts: an fMRI-guided tractography study. *Brain Struct Funct* 221:3337–45
- Liégeois F, Mahony K, Connelly A *et al.* (2013) Pediatric traumatic brain injury: Language out-

- comes and their relationship to the arcuate fasciculus. *Brain Lang* 127:388–98
- Liégeois F & Schonen S de (1997) Simultaneous attention in the two visual hemifields and interhemispheric integration: A developmental study on 20– to 26-month-old infants. *Neuropsychol* 35:381–5
- Liégeois F & Schonen S de (2002) Picture naming in young children: a developmental study on interhemispheric collaboration. *Brain Cogn* 49:123–37
- Liégeois F, Morgan AT, Stewart LH *et al.* (2010) Speech and oral motor profile after childhood hemispherectomy. *Brain Lang* 114:126–34
- Liégeois FJ & Morgan AT (2012) Neural bases of childhood speech disorders: lateralization and plasticity for speech functions during development. *Neurosci Biobehav Rev* 36:439–58
- Liégeois F, Mayes A & Morgan A (2014) Neural Correlates of Developmental Speech and Language Disorders: Evidence from Neuroimaging. *Curr Dev Disord Rep* 1:215–27
- Liégeois FJ, Mei C, Pigdon L *et al.* (2018) Speech and Language Impairments After Childhood Arterial Ischemic Stroke: Does Hemisphere Matter? *Pediatr Neurol* 92:55–59
- Liégeois FJ, Turner SJ, Mayes A *et al.* (2019) Dorsal language stream anomalies in an inherited speech disorder. *Brain J Neurol* 0:1–12
- Liepmann H (1905) Die linke Hemisphäre und das Handeln. *Münch Med Wschr* 49:2375–78
- Liepmann H (1920) Apraxie. *Ergebnisse der Gesamte Medizin* 1:516–43
- Liggins GC & Howie RN (1972) A controlled trial of antepartum glucocorticoid treatment for prevention
- Lim L, chantiluke K, Cubillo A *et al.* (2014) Disorder-specific grey matter deficits in attention deficit hyperactivity disorder relative to autism spectrum disorder. *Psychol Med* 45:1–12
- Lima Caldeira G, Peça J & Carvalho AL (2019) New insights on synaptic dysfunction in neuropsychiatric disorders. *Curr Op Neurobiol*, 57:62–70
- Lin Q, Li H & Mao Y-R (2017) The Difference of Neural Networks between Bimanual Antiphase and In-Phase Upper Limb Movements: A Preliminary Functional Magnetic Resonance. *Behav Neurol* 2017: 8041962
- Lin J-P, Brown JK & Walsh EG (1996) The maturation of motor dexterity: or why Johnny can't go faster. *DMCN* 38:244–54
- Llinas R (1988) The intrinsic electrophysiological properties of mammalian neurons – insights into central nervous-system function. *Sci* 242:1654–64
- Lincoln A J, Dickstein P, Courchesne E *et al.* (1992) Auditory processing abilities in non-retarded adolescents and young adults with developmental receptive language disorder and autism. *Brain Lang* 43:613–22
- Lincoln A, Lai Z & Jones W (2002) Shifting attention and joint attention dissociation in Williams syndrome: Implications for the cerebellum and social deficits in autism. *Neurocase* 8:226–32
- Lindauer R & Staal W (red. 2022) *Handboek Kinder- en jeugdpsychiatrie*. Amsterdam: Boom uitg.
- Linden MG, Bender GG, Harmon RJ *et al.* (1988) 47xxx: what is the prognosis? *Pediatrics* 82:619–30
- Lindgren SD (1978) Finger localization and the prediction of reading disability. *Cortex* 14:87–101
- Lindquist KA, Wager TD, Kober H *et al.* (2012) The brain basis of emotion: A meta-analytic review. *Behav Brain Sci* 35:121–43
- Linke A, Roach-Fox E, Vriezen E *et al.* (2018) Altered activation and functional asymmetry of exner's area, but not the visual word form area in a child with sudden onset, persistent mirror writing. *Neuropsychol* 117:322–31
- Lipper EG, Voorhies ThM, Ross G *et al.* (1986) Early predictors of one year outcome for infants asphyxiated at birth. *DMCN* 28:303–9
- Lipton SA & Kater SB (1989) Neurotransmitter regulation of neuronal outgrowth, plasticity and survival. *TINS* 12:265–70
- Lischka A, Eggermann K, Record CJ *et al.* (2023) Genetic landscape of congenital insensitivity to pain and hereditary sensory and autonomic neuropathies. *Brain* 146:4880–90
- Lishman WA (1978) *Organic psychiatry. The psychological consequences of cerebral disorder*. Blackwell, Oxford
- Liszkowski U, Carpenter M & Tomasello M (2007) Pointing out new news, old news, and absent referents at 12 month of age. *Dev Sci* 10:F1–7
- Liu J, Tsang T, Jackson L *et al.* (2018) Altered lateralization of dorsal language tracts in 6-week-old infants at risk for autism. *Dev Sci* 22:e12768
- Liu X, Branston NM & Symon L (1993) Early components of transcallosal responses in acute ischaemia of the corpus callosum. *EEG Clin Neurophysiol* 88:220–4
- Liu XY & Wong V (2000) Spectrum of epileptic syndromes with electrical status epilepticus during sleep in children. *Pediatr Neurol* 22:371–9
- Liu D, Diorio J, Day J *et al.* (2000a) Maternal care, hippocampal synaptogenesis and cognitive development in rats. *Nature Neurosci* 3:799–806
- Liu W, Martínón-Torres M, Cai Y-j (2015) The earliest unequivocally modern humans in southern China. 14 October doi:10.1038/nature15696
- Livanov MN (1972) *Spatial organization of brain processes*. Nauka, Moscow
- Livingston LA, Colvert E *et al.* (2018) Good social skills despite poor theory of mind: exploring compensation in autism spectrum disorder. *JCPP* 60:102–10
- Livingston LA & Happé F (2017) Conceptualising compensation in neurodevelopmental disorders: reflections from autism spectrum disorder. *Neurosci Biobehav Rev* 80:729–42
- Livingstone MS & Hubel DH (1988) Segregation of form, colour, movement, and depth: Anatomy, physiology, and perception. *Sci* 240:740–9
- Livingstone MS, Rosen GD, Drislane FW *et al.* (1991) Physiological and anatomical evidence for a magnocellular deficit in developmental dyslexia. *Proc Natl Acad Sci* 88:7943–7
- Ilbegi S, Buitelaar JK, Hoekstra PJ *et al.* (2021). Neurocognitive markers of late-onset ADHD: a 6-year longitudinal study. *JCPP* 62:244–52
- Llinas R (1988) The intrinsic electrophysiological properties of mammalian neurons – insights into central nervous system function. *Sci* 242:1654–64
- Lloyd DM, Gillis V, Lewis E *et al.* (2013) Pleasant touch moderates the subjective but not objective aspects of body perception. *Front. Behav Neurosci* 7:1–11
- Lloyd EC, Posner J, Schebendach J *et al.* (2024) Food choice and neural reward systems in adolescents with anorexia nervosa and atypical anorexia nervosa. *JCPP* 24 oct.
- Lloyd-Cox J, Chen Q & Beaty RE (2022) The time course of creativity: Multivariate classification of default and executive network contributions to creative cognition over time. *Cortex* 156:90–105
- Lloyds Lender W, Goodman JF & Linn MI (1998) Repetitive activity in the play of children with mental retardation. *J Early Intervention* 21:308–22
- Locatelli D, Bonfanti N, Sfogliarini R *et al.* (1978) Arachnoid cysts: Diagnosis and treatment. *Child's Nerv Syst* 3:121–4
- Locke JL (1993) *The child's path to spoken language*. Harvard Un Press, Cambridge MA, pp 518
- Locke JL (1997) A theory of neurolinguistic development. *Brain Lang* 58:265–326
- Lockwood KA, Marcotte AC, Stern C (2001) Differentiation of attention-deficit/hyperactivity disorder subtypes: Application of a neuropsychological model of attention. *J Clin Exp Neuropsychol* 23:317–30
- Lofthouse K, Beeson E, Dalgleish T *et al.* (2024) Characteristics of complex posttraumatic stress disorder (PTSD) in young people with PTSD following multiple trauma exposure. *JCPP* 65:822–31
- Logeswaran S (2016) *Hand preference and manual midline crossing in 12-month-old infants*. Master's thesis in Cogn Sci Umea Univ pp. 20
- Loiseau P & Beaussart M (1973) The seizures of benign childhood epilepsy with rolandic paroxysmal discharges. *Epilepsia* 14:381–89
- Loizou V, Rigaki C & Vlachos F (2017) Non-verbal learning disabilities: myth or reality? (Greek) *Epist Epet PTAE Panep loav*. 29:47–69
- Löken LS, Wessberg J, Morrison I *et al.* (2009) Coding of pleasant touch by unmyelinated afferents in humans. *Nat Neurosci* 12:547–8
- Lombroso CT (1983) A prospective study of infantile spasms: Clinical and therapeutic correlations. *Epilepsia* 24:135–58
- Looijestein J, Blom JD, Aleman A *et al.* (2015) An integrated network model of psychotic symptoms. *Neurosci Biobehav Rev* 59:238–50
- Loo SK, Lenartowicz A & Makeig S (2016) Research Review: Use of EEG biomarkers in child psychiatry research - current state and future directions. *JCPP* 57:4–17
- Looney GA & Elberger AJ (1986) Myelination of the corpus callosum in the cat: Time course,

- topography, and functional implications. *J Comp Neurol* 248:336–47
- Lopez C, Schreyer HM, Preuss N *et al.* (2012). Vestibular stimulation modifies the body schema. *Neuropsychol* 50:1830–7
- Lopez C (2013) A neuroscientific account of how vestibular disorders impair bodily self-consciousness. *Front Integr Neurosci* 7:91
- Lord C (1995) Follow-up of Two-Year-Olds Referred for Possible Autism. *JCPP* 36:1365–82
- Lord C, Leventhal BL & Cook EH (2001) Quantifying the phenotype in Autism Spectrum Disorders. *Am J Med Gen* 105:36–8
- Lord C, Rutter M & Le Couteur A (1994) Autism Diagnostic Interview–Revised: A revised version of a diagnostic interview for caregivers of individuals with possible pervasive developmental disorder. *J Autism Dev Disord* 24:659–75
- Lord C, Rutter M, DiKavore PC *et al.* (1999) *Autism Diagnostic Observation Schedule–WPS* (WPS edition), Los Angeles, Western Psychological Services
- Lord R & Hulme Ch (1987) Perceptual judgments of normal and clumsy children. *DMCN* 29:250–57
- Lorenz K (1970) *Studies in animal and human behaviour*. Harvard Univ Press, Cambridge
- Lorenz K (1991) Here am I—Where are you? The behaviour of the greylag goose. New York: Harcourt Brace Janovich. Translation of Hier bin ich—wo bist du? Ethologie der Graugans (1988)
- Losse A, Henderson SE, Elliman D *et al.* (1991) Clumsiness in children – do they grow out of it? A 10-year follow-up study. *DMCN* 33:55–68
- Lotfinia S, Afshar A, Yaser A *et al.* (2023) Functional brain changes after pharmacological interventions in post-traumatic stress disorder: A systematic review of clinical trials. *Brain Behav* 13: dec.
- Lou CL (1982) *Developmental neurology*. Raven Press, New York, 16:33–164
- Lou HC, Andresen J, Steinberg B *et al.* (1998) The striatum in a putative cerebral network activated by verbal awareness in normals and in ADHD children. *Eur J Neurol* 5:67–74
- Lou HC, Henriksen L & Bruhn P (1984) Focal cerebral hypoperfusion in children with dysphasia and/or attention deficit disorder. *Arch Neurol* 41:825–9
- Lou HC, Henriksen L, Bruhn P *et al.* (1989) Striatal dysfunction in attention deficit and hyperkinetic disorder. *Arch Neurol* 46:48–53
- Lovell H & Slater A (1960) The growth of the concept of time: a comparative study. *JCPP* 1:179–90
- Lowe MJ, Sakaie KE, Beall EB *et al.* (2016) Modern methods for interrogating the human connectome. *J Intern Neuropsychol Soc* 22:105–19
- Lubar JF, White JN, Swartwood MO *et al.* (1999) Methylphenidate effects on global and complex measures of EEG. *Pediatr Neurol* 21:633–7
- Lubián-Gutiérrez M, Benavente-Fernández I, Marín-Almagro Y *et al.* (2024) Corpus callosum long-term biometry in very preterm children related to cognitive and motor outcomes. *Pediatr Res*. 96:409–17
- Lubs HA (1969) A marker X chromosome. *Am J hum Genet* 21:231–44
- Lubs HA, Chiurazzi P, Arena J *et al.* (1999) XLMR Genes: update 1998. *Am J Med Gen* 83:237–47
- Luby JL, Agrawal A, Belden A *et al.* (2018) Developmental Trajectories of the Orbitofrontal Cortex and Anhedonia in Middle Childhood and Risk for Substance Use in Adolescence in a Longitudinal Sample of Depressed and Healthy Preschoolers. *Am J Psychiat* 175:1010–21
- Lucas AR, Rodin EA & Simson CB (1965) Neurological assessment of children with early school problems. *DMCN* 7:145–56
- Luciana M & Nelson ChA (1998) The functional emergence of prefrontally-guided working memory systems in four- to eight-year-old children. *Neuropsychol* 36:273–93
- Lude KH, Heimgärtner M, Winter S *et al.* (2018) Motor dysfunction in NF1: Mediated by attention deficit or inherent to the disorder? *Eur J Paed Neurol* 22:164–9
- Luders E, Steinmetz H & Jancke L (2002) Brain size and grey matter volume in the healthy human brain. *Neuroreport* 13:2371–4
- Luders E, Kurth F, Pigdon L *et al.* (2017) Atypical Callosal Morphology in Children with Speech Sound Disorder. *Neurosci* 367:211–8
- Luders E, Rex DE, Narr KL (2003) Relationships Between Sulcal Asymmetries and Corpus Callosum Size: Gender and Handedness Effects. *Cer Cortex* 13:1084–93
- Ludlow CL (1980) Children's Language Disorders: Recent Research Advances. *Ann Neurol* 7:497–507
- Ludlow CL & Cooper JA (eds, 1983) *Genetic aspects of speech and language disorders*. Acad Press, New York
- Luft AR, Skalej M, Stefanou A *et al.* (1998) Comparing motion- and imagery-related activation in the human cerebellum: A functional MRI study. *Hum Brain Mapping* 6:105–13
- Luik AL, Gordijn MCM, Verwijk E *et al.* (2019) Slaaptেকort, verschoven slaap en slaapelosheid. *Tijds Neuropsychol* 14:163–73
- Luijk PCM (2010) *Infant attachment and stress regulation*. A neurobiological study. Thesis, Department of the Institute of Child and Education Studies, Un. Leiden
- Luijk PCM, Tharner A, Van IJendoorn *et al.* (2011) The Association between parenting and attachment is moderated by a polymorphism in the mineralocorticoid receptor gene: Evidence for differential susceptibility. *Biol Psychol* 88:37–40
- Lukic S, Qi T, Watson Pereira C *et al.* Verbal short-term memory in developmental dyslexia: The role of the temporoparietal area. *Brain Lang*. 265:105570
- Luman M, Oosterlaan J, Knol DL *et al.* (2008) Decision-making in ADHD: sensitive to frequency but blind to the magnitude of penalty? *JCPP* 49:712–22
- Lundström S, Reichenberg A, Melke J *et al.* (2015) Autism spectrum disorders and coexisting disorders in a nationwide Swedish twin study *JCPP* 56:702–10
- Lunsing RJ, Hadders-Algra M, Huisjes HJ *et al.* [1992] Minor neurological dysfunction from birth to 12 years. II: Puberty is related to decreased dysfunction. *DMCN* 34: 404–409
- Luo Y & Ballargeon R (2005) Can a self-propelled box have a goal? Psychological reasoning in 5-month-old infants. *Psychol Sci* 16:601–8
- Luoma L, Herrgard E, Martikainen A *et al.* (1998) Speech and language development of children born at < 32 weeks' gestation: A 5-year prospective follow-up study. *DMCN* 40:380–7
- Lupattelli A, Wood M, Ystrom E *et al.* (2018) Effect of Time-Dependent Selective Serotonin Reuptake Inhibitor Antidepressants During Pregnancy on Behavioral, Emotional, and Social Development in Preschool-Aged Children *JAACAP* 57:200–8
- Lupien SJ, McEwen BS & Megan R (2009) Effects of stress throughout the lifespan on the brain, behaviour and cognition. *Nat Rev Neurosci* 10:434–45
- Luria AR (1980) *Higher cortical functions in man*. Tavistock Publ, London
- Luria AR (1970) *Traumatic aphasia*. Den Haag, Mouton, pp 115–127
- Luria AR (1976) *The neuropsychology of memory*. John Wiley and Sons, New York
- Luria AR (1977) Cerebral organization of conscious acts: a frontal lobe function. In : Tarnopol L & Tarnopol M (eds) *Brains functions and reading disabilities*. University Park Press, Baltimore, pp49–76
- Luria AR (1978) *The working brain*. Penguin Books Ltd, 3rd ed, Harmondsworth, Middlesex, England (Hoofdstuk 6 over de mediale corticale gebieden en de rechterhemisfeer onvertaald; staat wel in NL vertaling.)
- Lurija AR (1982) Grondslagen van de neuropsychologie (Vert. van *The working brain, 1978*). Deventer: Van Loghum Slaterus (ISBN 9060015746)
- Lussier F, Chevrier E & Gascon L (2017) *Neuropsychologie de l'enfant et de l'adolescent*. Malakoff, Dunod
- Lust JM, Steenbergen B, Diepstraten JAEM *et al.* (2022) The subtypes of developmental coordination disorder. *DMCN* 64:1366–74
- Lutz K, Specht K, Shah NJ *et al.* (2000) Tapping movements according to regular and irregular visual timing signals investigated with fMRI. *Neuroreport* 11:1301–6
- Luu TM, Ment L, Allan W *et al.* () Executive and Memory Function in Adolescents Born Very Preterm. *Pediatr* 127 e639–46
- Lynch CJ, Elbau IG, Ng T *et al.* (2024) Frontostriatal salience network expansion in individuals in depression. *Nature*. doi.org/10.1038/s41586-024-07805-2
- Lynn R (1966) *Attention, arousal and the orientation reaction*. Pergamon Press, Oxford
- Lyon GR & Krasnegor NA (eds 1996) *Attention, memory, and executive function*. PH Brookes, Baltimore, pp 424
- Lyons DM, Afarian H, Schatzberg AF *et al.* (2002) Experience-dependent asymmetric variation in primate prefrontal morphology. *Behav Brain Res* 136:51–9
- Lyons V & Fitzgerald M (2013) Atypical sense of self in autism spectrum disorders. A neurocognitive perspective. In Ch. 31, *Recent advances in*

Autism spectrum disorders. Vol I. Intech Open <http://dx.doi.org/10.5772/53680>

Lytard JF (1992) *Het onmenselijke. Cause-rieën over de tijd*. Kampen: Kok Agora

Lyttinen P, Laakso ML, Poikkeus AM *et al.* (1999) *The development and predictive relations of play and language across the second year*. *Scand J Psychol* 40:177–86

M

Ma AC, Cameron AD & Wiener M (2024) Memorability shapes perceived time (and vice versa). *Nat Hum Behav* 8:1296–1308

Macaluso E & Frith C (2000) Interhemispheric differences in extrastriate areas during visuo-spatial selective attention. *Neuroimage* 12:485–94

MacDuffie KE, Shen MD, Dager SR *et al.* (2020) Sleep Onset Problems and Subcortical Development in Infants Later Diagnosed With Autism Spectrum Disorder. *Am J Psychiat* doi: 10.1176/appi.ajp.2019.19060666

Macfarlane JA (1975) Olfaction and the development of social preferences in the human neonate. In: *Parent-infant interaction, CIBA foundation symposium* 33, ed. Porter R & O'Connor M Amsterdam: Elsevier-North-Holland, pp. 103–107

MacGregor N (2012) *Eine Geschichte der Welt in 100 Objekten*. München: Verlag CH Beck

Macar F (1980) *Le temps; Perspectives psychophysiological*. Pierre Mardaga, Bruxelles, p 267

Macar F (1998) Neural bases of internal timers: A brief overview. *Curr Psychol Cogn* 17:847–65

Maccario M, Hefferen SJ, Keblusek *et al.* (1982) Developmental dysphasia and electroencephalographic abnormalities. *DMCN* 24:141–55

Maccoby EE (1969) The development of stimulus selection. In: Hill JP (ed) *Minnesota Symposium on Child Psychology, vol 3*. Univ of Minnesota Press, Minneapolis

MacDermot KD, Bonora E, Sykes N *et al.* (2005) Identification of FOXP2 truncation as a novel cause of developmental speech and language deficits. *Am J Hum Genet* 76:1070–80

Macdonald H, Rutter M, Howlin P *et al.* (1989) Recognition and expression of emotional cues by autistic and normal adults. *JCPP* 30:865–77

MacDonald K, Scherjon F, van Veen E *et al.* (2021) Middle Pleistocene fire use: The first signal of widespread cultural diffusion in human evolution. *PNAS* 118: e2101108118

Machinskaya RI (1999) Brain organization of voluntary selective attention in first grade children with learning difficulties. In: Taddei-Ferretti C & Musio C (eds) *Neuronal bases and psychological aspects of consciousness*. World Scientific, Singapore, pp 343–6

MacKenzie Chr & Marteniuk RG (1985) Bimanual coordination. In: EA Roy (ed) *Neuropsychological studies of apraxia and related disorders*. North-Holland, Amsterdam, pp 345–58

MacLean P (1985) Brain evolution relating to family, play, and the separation call. *Arch Gen Psychiat*, 42: 405–17

MacLean P (1990) Participation of thalamocortical division in family-related behaviour. In: *The triune brain in evolution*. New York: Plenum Press

Macneil LK, Xavier P, Garvey MA *et al.* (2011) Quantifying excessive mirror overflow in children with attention-deficit/hyperactivity disorder. *Neurol* 76:622–8

MacNeilage PF & Davis BL (2000) On the Origin of Internal Structure of Word Forms. *Sci* 288:527–31

MacNeilage PF (2008) *The origin of speech*. Oxford: Oxford Un Press

MacNeilage PF, Studdert-Kennedy MG & Lindblom B (1987) Primate handedness reconsidered. *Brain Sci* 10:247–78

Madden J (1991) *Neurobiology of learning, emotion and affect*. Raven Press, New York, pp 354

Maes M, Vasupanrajit A, Jirakran K *et al.* (2023) Adverse childhood experiences and reoccurrence of illness impact the gut microbiome, which affects suicidal behaviours and the phenotype of major depression: towards enterotypic phenotypes. *Acta Neuropsychiat* 35: 328–45

Maes P, Weyland M, Kissine M (2023) Describing (pre)linguistic oral productions in 3- to 5-year-old autistic children: A cluster analysis. *Autism* 27:967–82

Maes P, Weyland M, Kissine M (2024) Structure and acoustics of the speech of verbal autistic preschoolers. *J Child Lang*. 51:509–25

Maestri G, Nicotra A, Pomati S *et al.* (2023) Cultural influence on clock drawing test: A systematic review. *J Int Neuropsychol Soc* 29:704–14

Magalhães JC, Gongora M, Vicente R *et al.* (2015) The Influence of Levettacetam in Cognitive Performance in Healthy Individuals: Neuropsychological, Behavioral and Electrophysiological Approach. *Clin Psychopharmacol Neurosci*. 13: 83–93

Magistretti PJ, Morrison JH & Bloom FE (eds, 1984) *Nervous system development and repair. Discussions in neurosciences, vol i*. Foundation FESN, Genève, pp 13–121

Mahler M (1969) *On human symbiosis and the vicissitudes of individuation. Vol i. Infantile psychosis*. The Hogarth Press and the Institute of Psycho-analysis, London

Mahler M, Pine F & Bergman A (1975) *The psychological birth of the human infant: symbiosis and individuation*. New York: Basic Books.

Mahmoudzadeh M, Dehaene-Lambertz G, Fournier M *et al.* (2013) Syllabic discrimination in premature human infants prior to complete formation of cortical layers. *Proc Nat Acad Sci USA* 110:4846–51

Mahoney AM & Sainsbury RS (1987) Hemispheric asymmetry in the perception of emotional sounds. *Brain Cogn* 6:216–33

Maisog JM, Einbinder ER, Flowers DL *et al.* (2008) A meta-analysis of functional neuroimaging studies of dyslexia. *ANAS* 1145:237–59

Maita I, Bazer A, Urbano Blackford J *et al.* (2021) Functional anatomy of the bed nucleus of the stria terminalis-hypothalamus neural circuitry: Implications for valence surveillance, addiction, feeding, and social behaviors. Chapter 27 *Handbook Clin Neurol*, 179: 403–18

Majerus S & Van der Linden M (2013) *Memory disorders in children*. Handbook of Clinical

Neurology, Vol. 111 (3rd series) Pediatric Neurology Part I

Makaroff KL & Putnam FW (2003) Outcomes of infants and children with inflicted traumatic brain injury. *DMCN* 45:497–502

Malanchini M, Allegrini A, Nivard MG *et al.* (2024) Genetic associations between non-cognitive skills and academic achievement over development. nature human behaviour. <https://doi.org/10.1038/s41562-024-01967-9>

Malekpour M (2007) Effects of attachment on early and later development. *Brit J Dev Disab* 53:81–95

Malle & LJ Bertram (eds) *Intention and intentionality: Foundation of social cognition* (pp.171–195). Cambridge MA: The MIT Press
Malone MA, Kershner JR & Swanson JM (1994) Hemispheric processing and methylphenidate effects in attention-deficit hyperactivity disorder. *J Child Neurol* 9:181–9

Malow BA, Findling RL, Schroder CM *et al.* (2019) Sleep, Growth, and Puberty After Two Years of Prolonged-Release Melatonin in Children With Autism Spectrum Disorder. *JAACAP* 49:3218–30

Mammarella IC & Cornoldi C (2014) An analysis of the criteria used to diagnose children with Nonverbal Learning Disability (NLD). *Child Neuropsychol*. 20:255–80

Mammarella IC, Cardillo R & Zocante L (2019) Differences in visuospatial processing in individuals with nonverbal learning disability or autism spectrum disorder without intellectual disability. *Neuropsychol* 33:123–34

Mammarella IC, Caviola S & Giofrè D *et al.* (2018) The underlying structure of visuospatial working memory in children with mathematical learning disability. *Br J Dev Psychol* 36:220–35

Mammarella IC, Ghisi M, Bomba M *et al.* (2016) Anxiety and depression in children with non-verbal learning disability reading disabilities, or typical development. *J Learn Disabil* 49:130–9

Mammucari A, Caltagirone C, Ekman P *et al.* (1988) Spontaneous facial expression of emotions in brain-damaged patients. *Cortex* 24:521–33

Mandal MK, Tandon SC & Asthana HS (1991) Right brain damage impairs recognition of negative emotions. *Cortex* 27:247–53

Mandler JM (1992) How to build a baby. II. Conceptual primitives. *Psychol Review* 99:587–604

Mandler JM (1984) Representation en Recall in Infancy. In: Moscovitch M (ed) *Infant memory. Advances in the study of communication en affect*. vol 9. Plenum press, New York, pp 75–102

Mandoki M & Sumner G (1991) Klinefelter syndrome: The need for early identification and treatment. *Clin Pediat* 30:161–4

Mandonnet E, Nouet A & Gatignol P (2007) Does the left inferior longitudinal fasciculus play a role in language? A brain stimulation study. *Brain* 130:623–9

Mandy W & Lai M-C (2016) Ann Res Rev: The role of the environment in the developmental psychopathology of autism spectrum condition. *JCPP* 57:271–92

- Mandy W, Wang A, Lee I *et al.* (2017) Evaluating social (pragmatic) communication disorder. *JCPP* 58:1166–75
- Manes F, Piven J, Vrancic D *et al.* (1999) An MRI study of the corpus callosum and cerebellum in mentally retarded autistic individuals. *J Neuropsychiat Clin Neurosci* 11:470–4
- Mangels JA, Ivry RB & Shimizu N (1998) Dissociable contributions of the prefrontal and neocerebellar cortex to time perception. *Cogn Brain Res* 7:15–39
- Mangeot SD, Miller LJ, McIntosh DN *et al.* (2001) Sensory modulation dysfunction in children with attention-deficit-hyperactivity disorder. *DMCN* 43:399–406
- Manitsa I, Gregory AM, Broome MR *et al.* (2024) Shorter night-time sleep duration and later sleep timing from infancy to adolescence. *JCPP* 65:1513–25
- Mann VA, Sharlin HM & Dorman M (1985) Children's perception of sibilants: The relation between articulation and perceptual development. *J Exp Child Psychol* 39:252–64
- Manor I, Eisenberg J, Tyano S *et al.* (2001) Family-based association study of the serotonin transporter promoter region polymorphism (5-HTTLPR) in attention deficit hyperactivity disorder. *Am J Med Genet (Neuropsychiat Genet)* 105:91–5
- Manzoni T, Barbaresi P & Conti F (1984) Callosal mechanism for the interhemispheric transfer of hand somatosensory information in the monkey. *Behav Brain Res* 11:155–70
- Manzoni T, Conti F, Fabri M (1986) Callosal projections from area SII to SI in monkeys: anatomical organization and comparison with association projections. *J Comp Neurol* 252:245–63
- Maquet P, Lejeune H, Pouthats B *et al.* (1996) Brain activation induced by estimation of duration: a PET study. *Neuroimage* 3:119–26
- Maravita A & Iriki A (2004) Tools for the body (schema). *TICS* 8:79–86
- Marburg O (1949) So-called agenesis of the corpus callosum defect. *Arch Neur Psychiatr* 61:297–312
- Marchman VA, Loi EC, Adams KA *et al.* (2018) Speed of language comprehension at 18 months old predicts school-relevant outcomes at 54 months old in children born preterm. *J Dev Behav Pediatr* 39:246–53
- Marco EJ, Harrell KM, Brown WS *et al.* (2012) Processing speed delays contribute to executive function deficits in individuals with agenesis of the corpus callosum. *J Int Neuropsychol Soc.* 18:521–9
- Marcus JC (1987) Neurological findings in the fetal alcohol syndrome. *Neuroped* 18:158–60
- Mareva S, CALM Team, Holmes J (2024) Mapping neurodevelopmental diversity in executive function. *Cortex* 172:204–21
- Maria BL (guest ed. 2002) Neurofibromatosis. *J Child Neurol* 17:547–660
- Mariën P & de Deyn PP (2000) Spraakmakende kleine hersenen. *Neuropraxis* 4:87–93
- Mariën P, Saerens J, Nanhoe R *et al.* (1996) Cerebellar induced aphasia: Case report of cerebellar induced prefrontal aphasic language phenomena supported by SPECT findings. *J Neurol Sci* 144:34–43
- Marion SD, Kilian SC & Naramor TL *et al.* (2003). Normal Development of Bimanual Coordination: Visuomotor and Interhemispheric Contributions. *Dev Neuropsychol*, 23:399–421
- Mariotti P, Iuvone L, Torrioli Mg *et al.* (1998) Linguistic and non-linguistic abilities in a patient with early left hemispherectomy. *Neuropsychol* 36:1303–12
- Marks AR & Cermak LS (1998) Intact temporal memory in amnesic patients. *Neuropsychol* 36:935–43
- Markova G & Legerstee M (2006) Contingency, Imitation, and Affect Sharing: Foundations of Infants' Social Awareness. *Developmental Psychology*. 42: 132–141
- Marquand AF, Rezek I, Buitelaar J *et al.* (2016) Understanding Heterogeneity in Clinical Cohorts Using Normative Models: Beyond Case-Control Studies. *Biol Psychiat* 80:552–61
- Marrus N, Hall LP, Paterson SJ *et al.* (2018) Language delay aggregates in toddler siblings of children with autism spectrum disorder. *J NeuroDevelop Disord* 10:29
- Mars RB, Neubert F-X, Noonan MP *et al.* (2012). On the relationship between the “default mode network” and the “social brain.” *Front Hum Neurosci* vol. 6.
- Marsman A (2021) *Beyond disease and disorder: exploring the long-lasting impact of childhood adversity in relation to mental health.* Thesis Univ Maastricht
- Marsman A, Interview met Tabitha van den Berg (2023) De impact van trauma (Over)leven en pleasen. T Conflictbantering 1: 5–9
- Marsh AP, Heron D, Edwards TJ, *et al.* (2017) Mutations in DCC cause isolated agenesis of the corpus callosum with incomplete penetrance. *Nat Genet* 49:511–7
- Marsh DO (1980) Fetal methylmercury poisoning: Clinical and toxicological data on 29 cases. *Ann Neurol* 7:348–53
- Marshall JC, Fink GR, Halligan PW *et al.* (2002) Spatial awareness: a function of the posterior parietal lobe? *Cortex* 38:253–57
- Martin JP & Bell JA (1943) A pedigree of mental defect showing sex-linkage. *J Neurol Psychiatr* 6:154–7
- Martin J, Hamshere ML, Stergiakouli E *et al.* (2014) Genetic Risk for Attention-Deficit/Hyperactivity Disorder Contributes to Neurodevelopmental Traits in the General Population. *Biol Psychiat* 76:664–71
- Martin J, O'Donovan MC, Thapar A *et al.* (2015) The relative contribution of common and rare genetic variants to ADHD. *Translat Psychiat.* 5, e506; doi:10.1038/tp.2015.5
- Martineau J, Barthélémy C, Jouve J *et al.* (1992) Monoamines (serotonin and catecholamines) and their derivatives in infantile autism: Age-related changes and drug effects. *DMCN* 34:593–603
- Martinez Jr JL (1986) Memory drugs and hormones. In: JL Martinez Jr and RP Kesner (eds) *Learning and memory. A biological view.* Acad Press, Orlando
- Martinez Jr JL (1986) Memory drugs and hormones. In: Martinez JL Jr & Kesner RP (eds) *Learning and memory. A biological view.* Acad Press, Orlando
- Martínez Martínez PFA (1980) Neuro-anatomie. Aanleg en bouw van het centrale zenuwstelsel. Met tekeningen van Anjo Mutsaers. Utrecht: Wet. Uitg. Bunge
- Martinius JW & Hoovey ZBL (1972) Bilateral synchrony of occipital alpha waves, oculomotor activity and attention in children. *EEG Clin Neurophysiol* 32:349–56
- Martinius J & Strunk P (1979) Tötungsdelikt eines aggressiven Jugendlichen mit umschriebener Läsion im rechten Temporalhirn. Ein Fallbericht. *Z Kinder-Jugendpsychiat* 7:199–207
- Martino M, Magioncalda P, Huang Z *et al.* (2016) Contrasting variability patterns in the default mode and sensorimotor networks balance in bipolar depression and mania. *PNAS* 113:4824–9
- Martinussen R, Hayden J, Hogg-Johnson S *et al.* (2005) A meta-analysis of working memory impairments in children with attention-deficit/hyperactivity disorder. *JAACAP* 44:377–84
- Marton K (2009) Imitation of body postures and hand movements in children with specific language impairment. *J Exp Child Psychol* 102:1–13
- Marx, W., Penninx, B.W.J.H., Solmi, M. *et al.* (2023) Major depressive disorder. *Nat Rev Dis Primers* 9:44
- Marzi CA (1999) The Poffenberger paradigm: A first, simple, behavioural tool to study interhemispheric transmission in humans. *Brain Res Bull* 50:421–22
- Maschke M, Gomez CM, Tuite PJ *et al.* (2003) Dysfunction of the basal ganglia, but not the cerebellum, impairs kinaesthesia. *Brain* 126:2312–22
- Masdeu JC (2016) *Gait and balance disorders.* Chapter 48 in: Masdeu JC & González RG (eds) *Handbook of Clinical Neurology, Vol. 136 (3rd series), Neuroimaging, Part II*
- Masdrakis VG, Markianos M, Baldwin DS (2023) Apathy associated with antidepressant drugs: a systematic review. *Acta Neuropsychiat.* 35:189–204
- Masland RL (1975) Neurological bases and correlates of language disabilities: Diagnostics implications. *Acta Symbol* 6:1–34
- Mason C & Geffen G (1996) Temporal integration of events within and between the cerebral hemispheres. *Cortex* 32:97–108
- Mason SM & Mellor DH (1984) Brain-stem, middle latency and late cortical evoked potentials in children with speech and language disorders. *EEG Clin Neuro-physiol* 59:297–309
- Massarc DW (1975) Language and information processing. In: DW Massarc (ed) *Understanding language: An information processing analysis of speech perception, reading and psycholinguistics.* Acad Press, New York
- Mastris S, Agnoli S, Zanon M *et al.* (2021) Clustering and switching in divergent thinking: Neurophysiological correlates underlying flexibility during idea generation. *Neuropsychol.* Jul 30;158:107890
- Matelli M & Lupino G (1998) Functional anatomy of human motor cortical areas. In: F Boller & J Grafman (eds) *Handbook of Neuropsychology.* Amsterdam, Elsevier Science, pp 9–26
- Mather DS (2001) Does dyslexia develop from learning the alphabet in the wrong hemi-

- sphere? A cognitive neuroscience analysis. *Brain Lang* 76:282–316
- Mather D (2003) Dyslexia and dysgraphia: more than written language difficulties in common. *J learn disab* 36:307–17
- Mather DS (2022) Preventing Children From Developing Dyslexia: A Premature Writing Hypothesis. *Percept Mot Skills* 129:468–87
- Mather D, Milford TM & McRae LM (2015) Does dyslexia develop from left eye dominance? *Percept Mot Skills* 121:569–601
- Mathew RJ, Partain CL, Prakash R *et al.* (1985) A study of the septum pellucidum and corpus callosum in schizophrenia with MR imaging. *Acta Psychiatr Scand* 72:414–21
- Mathur AM, Neil JJ & Inder TE (2010) Understanding brain injury and neurodevelopmental disabilities in the preterm infant: the evolving role of advanced magnetic resonance imaging. *Semin Perinatol* 34:57–66
- Matsumoto A, Watanabe K, Negoro T *et al.* (1981) Long-term prognosis after infantile spasm: A statistical study of prognostic factors in 200 cases. *DMCN* 23:51–65
- Mattews WJ & Meck WH (2016) Temporal Cognition: Connecting Subjective Time to Perception, Attention, and Memory. *Psychol Bull* 142:865–90
- Matthews GCh & Harley JP (1975) Cognitive and motor-sensory performance in toxic and non-toxic epileptic subjects. *Neuro* 25:184–88
- Matthews WS, Solan A & Barabas G (1995) Cognitive functioning in Lesch-Nyhan syndrome. *DMCN* 37:715–22
- Matthys W, van Goozen S, de Vries H *et al.* (1997) The dominance of behavioural activation over behavioural inhibition in conduct disordered boys with and without attention deficit hyperactivity disorders. *JCPP* 39:635–43
- Mattingley JB, Husain M, Rorden C *et al.* (1998) Motor role of human inferior parietal lobe revealed in unilateral neglect patients. *Nature* 392:179–82
- Mattis S (1978) Dyslexia syndromes: A working hypothesis that works. In: AL Benton and D Pearl (eds) *Dyslexia. An appraisal of current knowledge*. Oxford Univ Press, New York, pp 43–60
- Mattis S, French JH & Rapin I (1975) Dyslexia in children and young adults: Three independent neuropsychological syndromes. *DMCN* 17:150–63
- Mattson SN, Riley EP, Gramling L *et al.* (1998) Neuropsychological comparison of alcohol-exposed children with or without physical features of fetal alcohol syndrome. *Neuropsychol* 12:146–53
- Mauceri L, Sorge G, Baieli S *et al.* (2000) Aggressive behavior in patients with Sotos syndrome. *Pediatr Neurol* 22:64–7
- Maurer D & Mondloch CJ (2005) Neonatal synesthesia: A reevaluation. In: Synesthesia. Perspectives from cognitive neuroscience, ed. Robertson LC & Sagiv N New York: Oxford University Press, pp. 193–213
- Maurer D, Pathman T & Mondloch CJ (2006) The shape of boubas : sound-shape correspondences in toddlers and adults. *Dev Sci* 9:316–22
- Mayer E, Martory MD, Pegna AJ *et al.* (1999) A pure case of Gerstmann syndrome with a subangular lesion. *Brain* 122:1107–20
- Mayes AR (1986) Learning and memory disorders and their assessment. *Neuropsychol* 24:25–39
- Mayringer H & Wimmer H (2002) No deficits at the point of hemispheric indecision. *Neuropsychol* 40:701–4
- Mayston MJ, Harrison LM & Stephens JA (2001) A neurophysiological study of mirror movements in adults and children. *Ann Neurol* 45:583–94
- Mazet Ph & Houzel D (1983) Psychiatrie de l'enfant et de l'adolescent, Vol 1. Maloine, Paris
- Mazoyer B, Zago L, Jobard G *et al.* (2014) Gaussian mixture modeling of hemispheric lateralization for language in a large sample of healthy individuals balanced for handedness. *Plos One* 9:e101165
- Mazziotta J, Toga A, Evans A *et al.* (2001) A probabilistic atlas and reference system for the human brain: International consortium for brain mapping (ICBM). *Phil Trans R Soc Lond B* 356:1293–1322
- Mazzocco MM (2001) Math learning disability and math LD subtypes: evidence from studies of Turner syndrome, fragile X syndrome and neurofibromatosis Type 1. *J Learn Disabil* 34:520–33
- Mazzocco MM, Kates WR, Baumgardner ThL *et al.* (1997) Autistic behaviors among girls with fragile X syndrome. *J Autism Dev Disord* 27:415–35
- Mazzocco MM, Myers GF, Hamner JL *et al.* (1998) The prevalence of the FMR1 and FMR2 mutations among preschool children with language delay. *J Pediatr* 132:795–801
- McAnally KI *et al.* (1997) Effect of time and frequency manipulation on syllable perception in developmental dyslexics. *J Speech Lang Hear Res* 40:912–24
- McArthur GM & Bishop DVM (2001) Auditory perceptual processing in people with reading and oral language impairments: current issues and recommendations. *Dyslexia* 7:150–70
- McArthur GM & Hogben JH (2001) Auditory backward recognition masking in children with a specific language impairment and children with a specific reading disability. *J Acoustical Soc Amer* 109:1092–1100
- McBride-Chang C, Wagner RK & Chang L (1997) Growth modeling of phonological awareness. *J Educ Psychol* 89:621–30
- McBurnett K, Lahey BB, Capasso L *et al.* ((1996) *Aggressive symptoms and salivary cortisol in clinic-referred boys with conduct disorder*. Ann New York Acad Sci 794. The New York Academy of Sciences, New York, pp 169–78
- McBurney AK & Eaves LC (1986) Evolution of developmental and psychological test scores. In: Dunn HG (ed) *Sequelae of low birthweight: The Vancouver Study*. Clin Dev Med 95–96, Blackwell Sci Publ, Oxford & JB Lippincott Co, Philadelphia, pp 54–67
- McCall RB (1979) The development of intellectual functioning in infancy en the prediction of later IQ. In: Osofsky JD (ed) *Handbook of infant development*. Wiley & Sons, New York, 707–41
- McCall RB, van Ijzendoorn MH, Juffer F, *et al.* (Eds, 2011) Children without permanent parents: Research, practice, and policy. *Monogr Soc Res Child Dev* 76:
- McCarthy MI, Abecasis GR, Cardon LR *et al.* (2008) Genome-wide association studies for complex traits: consensus, uncertainty and challenges. *Nat Rev Gen* 9:356–69
- McCarthy R & Warrington EK (1984) A two-route model of speech production. Evidence from aphasia. *Brain* 107:463–85
- McCarton-Daum C, Danziger A, Ruff H *et al.* (1983) Periventricular low density as a predictor of neurobehavioral outcome in very low-birthweight infants. *DMCN* 25:559–65
- McCloskey M, Caramazza A & Basili A (1985) Cognitive mechanisms in numer processing and calculation: Evidence from dyscalculia. *Brain Cogn* 4:171–96
- McCormack T & Hoerl C (1999) Memory and temporal perspective: The role of temporal frameworks in memory development. *Dev Review* 19:154–82
- McCracken JT (1991) A two-part model of stimulant action on attention-deficit hyperactivity disorder in children. *J Neuropsychiatry Clin Neurosci* 3:201–9
- McDonald S, Bennett KMB, Chambers H *et al.* (1999) Covert orienting and focusing of attention in children with attention deficit hyperactivity disorder. *Neuropsychol* 37:345–56
- McFie J (1961) The effects of hemispherectomy on intellectual functioning in cases of infantile hemiplegia. *J Neurol Neurosurg Psychiatr* 24:240–49
- McGilchrist I (2010) *The master and his emissary. The divided brain and the making of the modern world*. Yale Univ Press
- McGlone J (1980) Sex differences in human brain asymmetry: A critical survey. *Behav Brain Sci* 3:215–63
- McGonigle-Chalmers M & Kusel L (2019) The Development of Size Sequencing Skills: An Empirical and Computational Analysis. *Monogr. Soc Res Child Dev* 84:1–202
- McGrath LM & Stoodley CJ (2019). Are there shared neural correlates between dyslexia and ADHD? A meta-analysis of voxel-based morphometry studies. *J Neurodev Disord* 11:31
- McGregor KK, Gordon K, Eden N *et al.* (2017) Encoding deficits impede word learning and memory in adults with developmental language disorders. *J Speech Lang Hear Res* 60:2891–905
- McGuire AM, Duncan JS & Trimble MR (1992) Effects of vigabatrin on cognitive function and mood when used as add-on therapy in patients with intractable epilepsy. *Epilepsia* 33:128–34
- McKelvey JR, Lambert R, Motttron L *et al.* (1995) Right-hemisphere dysfunction in Asperger's syndrome. *J of Child Neurology* 10:310–14
- McKern N, Dargue N & Sweller N (2023) Comparing gesture frequency between autistic and neurotypical individuals: A systematic review and meta-analysis. *Psychol Bull.* 149:724–45
- McKusick V (1998) *Mendelian inheritance in man. Catalogues of autosomal dominant, auto-*

- somal recessive and x-linked phenotypes. 13th ed. John Hopkins Un Press, Baltimore
- McLaughlin JF & Kriegsmann E (1980) Developmental dyspraxia in a family with X-linked mental retardation (Renpenning syndrome) *DMCN* 22:84–92
- McLeod NA, Williams JP, Machen B *et al.* (1987) Normal and abnormal morphology of the corpus callosum. *Neuro* 37:1240–2
- McManus C (2022) Cerebral Polymorphisms for Lateralisation: Modelling the Genetic and Phenotypic Architectures of Multiple Functional Modules. *Symmetry* 14:814 pp. 76
- McManus IC & Bryden MP (1993) The neurobiology of handedness, language, and cerebral dominance: a model for the molecular genetics of behavior. In: Johnson MH (ed) *Brain development and cognition*. A reader. Blackwell Publ. Cambridge, Mass, USA
- McManus IC, Davison A & Armour JA (2013) Multilocus genetic models of handedness closely resemble single-locus models in explaining family data and are compatible with genome-wide association studies. *Ann N Y Acad Sci* 1288:48–58
- McManus IC, Murray B, Doyle K *et al.* (1992) Handedness in childhood autism shows a dissociation of skill and preference. *Cortex* 28:373–81
- McMenamin JB, Shackelford GD & Volpe JJ (1984) Outcome of neonatal intraventricular hemorrhage with periventricular echodense lesions. *Ann Neurol* 15:285–90
- McNeill D (1992) *Hand and mind. What gestures reveal about thought*. Chicago: The Univ of Chicago Press
- McPhillips M & Sheehy N (2004) Prevalence of primary reflexes and motor problems in children with reading difficulties. *Dyslexia* 10:316–38
- McTague A & Appleton R (2010) Episodic dysscontrol syndrome *Arch Dis Child* 95:841–2
- Mention B, Pourre F, Andanson J (2024) Humor in autism spectrum disorders: A systematic review. *Encéphale*. 50:200–10
- Meaburn E, Dale PS, Craig IW *et al.* (2002) Language-impaired children: No sign of the FOXP2 mutation. *Neuroreport* 13:1075–77
- Meulemans J, Goeleven A, Zink I *et al.* (2012) Underlying neurological dysfunction in children with language, speech or learning difficulties and a verbal IQ - performance IQ discrepancy. *Acta Otorhinolary Belg* 8:71–76
- Meany MJ (2001) Maternal care, gene expression and the transmission of individual differences in stress reactivity across generations. *Ann Rev Neurosci* 24:1161–92
- Mecacci L (1993) On spatial frequencies and cerebral hemispheres: Some remarks from the electrophysiological and neuropsychological points of view. *Brain Cogn* 22:199–212
- Mechsner F, Kerzel D, Knoblich G *et al.* (2001) Perceptual basis of bimanual coordination. *Nature* 414:69–73
- Meck WM (1996) Neuropharmacology of timing and time perception. *Cogn Brain Res* 3:227–42
- Meck WH (2008) Cortico-striatal representation of time in animals and humans. *Curr Opin Neurobiol* 18:145–52
- Medalia A, Isaacs–Glberman K & Scheinberg H (1988) Neuropsychological impairment in Wilson's disease. *Arch Neurol* 45:502–4
- Medina L (2007) Do birds and reptiles possess homologues of mammalian visual, somatosensory and motor cortices? In: Evolution of Nervous Systems, Vol. 2: Non-Mammalian Vertebrates (JH Kaas & TH Bullock, Eds.) 163–94. Oxford: Elsevier
- Meguerditchian A, Phillips KA, Chapelain A *et al.* (2016) Handedness for Unimanual Grasping in 564 Great Apes: The Effect on Grip Morphology and a Comparison with Hand Use for a Bimanual Coordinated Task. *Front Psychol* 6:1–9
- Mehler J, Bertoncini J & Barrière M (1978) Infant recognition of mother's voice. *Perception* 7:491–7
- Mehler J, Jusczyk P, Halsted N *et al.* (1988) A precursor of language acquisition in young infants. *Cognition* 29:143–78
- Mehling WE, Wrubel J, Daubenmier JJ *et al.* (2011) Body Awareness: a phenomenological inquiry into the common ground of mind-body therapies. *Phil, Ethics, Human Med* 6:6
- Meichenbaum D & Goodman S (1977) The nature and modification of impulsivity. In: Blau ME & Rapin I (eds) *Topics in child neurology*. New York: Spectrum, pp 263–78
- Meier MJ & Thompson WG (1983) Methodological issues in clinical studies of right cerebral hemisphere dysfunction. In: Hellige JB (ed) *Cerebral hemisphere asymmetry. Method, theory, and application*. Praeger, New York, pp 46–94
- Meijer LL (2024) Just a Touch Away. Een aanraking binnen handbereik. De beleving van CT-optimale aanraking en de invloed ervan op pijn en jeuk. Thesis, Utrecht
- Meijer M (1995) *Borderline adolescents*. Thesis, Leiden
- Meins E & Fernyhough C (1999) Linguistic acquisitional style and mentalising development: The role of maternal mind-mindedness. *Cogn Dev* 14:363–80
- Meins E, Fernyhough C, Wainwright R *et al.* (2002) Maternal mind-mindedness and attachment security as predictors of theory of mind understanding. *Child Dev* 73:1715–26
- Meirsschaut M, Petra Warreyn P & Roeyers H (2011) What is the impact of autism on mother-child interactions within families with a child with autism spectrum disorder? *Autism Res* 4:358–67 Mieke.Meirsschaut@ugent.be, Petra Warreyn – petra.warreyn@sig-net.be – rechtstreeks tel. 09 218 83 45
- Meissner SJ (1993) Self-as-Agent in Psychoanalysis. *Psychoanal Contemp Thought* 16:459–95
- Meissner SJ (2000) The Self-as-Relational in Psychoanalysis. I. Relational Aspects of the Self. *Psychoanal Contemp Thought* 23:177–204
- Meissner TW, Friedrich P, Ocklenburg S, *et al.* (2017) Tracking the Functional Development of the Corpus Callosum in Children Using Behavioral and Evoked Potential Interhemispheric Transfer Times. *Dev Neuropsychol*, 42: 172–86
- Meissner WW (1996) The self-as-object in psychoanalysis. *Psychoanal Contemp Thought* 19:425–59
- Meissner WW (1997) The self and the body. I. The body self and the body image. *Psychoanal Contemp Thought* 20:419–48
- Meletti S, Benuzzi F, Rubboli G *et al.* (2003) Impaired facial emotion recognition in early-onset right mesial temporal lobe epilepsy. *Neuro* 60:426–31
- Mellor DH & Fielder AR (1980) Dissociated visual development: electrodiagnostic studies in infants who are 'slow to see'. *DMCN* 22:327–35
- Meltzoff AN & Moore KM (1977) Imitation of facial and manual gestures by human neonates. *Sci* 198: 74–78
- Meltzoff AN & Borton R (1979) Intermodal matching of human neonates. *Nature* 282:403–4
- Meltzoff AN (1990) Towards a developmental cognitive science: The implications of cross-modal matching and imitation for the development of representation and memory in infancy. In: Diamond A (ed) *The Development and Neural Bases of higher Cognitive Functions*. *Annals NY Ac Sci* 608:1–37
- Meltzoff AN (1995) Understanding the intentions of others: Re-enactment of intended acts by 18-month-old children. *Dev Psychol* 31:838–50
- Meltzoff AN & Moore KM (1992) Early imitation within a functional framework: The importance of person identity, movement, and development. *Infant Behav Dev* 15:479–505
- Meltzoff AN & Moore KM (1994) Imitation, memory, and the representation of persons. *Infant Behav Dev* 17:83–99
- Meltzoff AN & Moore KM (1995) Infants' understanding of people and things: from body imitation to folk psychology. In: Bermudez L *et al.* (eds) *The body and the self*. Bradford book, London, England
- Meltzoff AN & Moore KM (1997) Explaining facial imitation: a theoretical model. *Early Development Parenting* 6:179–92
- Meltzoff AN & Brooks R (2001) 'Like me' as a building block voor understanding other minds: Bodily acts, attention, and intention. In: Malle BF & Bertram LJ (eds) *Intention and intentionality: Foundation of social cognition* (pp.171–195). Cambridge MA: The MIT Press
- Meltzoff A (2001a) Elements of a developmental theory of imitation. In: A Meltzoff & W Prinz (eds) *The imitative mind: development, evolution and brain bases*. Cambridge MA, Cambridge Un Press, pp. 19–41
- Meltzoff AN (2004) The case for developmental cognitive science: theories of people and things. In: G Bremner & A Slater (Eds) *Theories of infant development* (pp 269–313) New York: Guilford Press.
- Meltzoff AN (2007) 'Like me': a foundation for social cognition. *Dev Sci* 10:126–34
- Meltzoff AN (2011) Social cognition and the origin of imitation, empathy, and theory of mind. In: U Goswami (ed) *The Wiley-Blackwell Handbook of childhood cognitive development*. Wiley-Blackwell, Oxford, UK, pp. 49–75
- Meltzoff AN, Saby JN & Marshall PJ (2019) Neural representations of the body in 60-day-old human infants. *Dev Sci* 22:e12698
- Melzack R, Israël R Lacroix R *et al.* (1997) Phantom limbs in people with congenital limb defi-

- ciency or amputation in early childhood. *Brain* 120:1603–20
- Menkes JH, Sarnat HB & Maria BL (2006) *Child neurology*. Lippincott Williams & Wilkins, pp 1100
- Menkes JH (1974) The clinical evaluation of school difficulties. *Neuropädiatrie* 5:217–23
- Mennella JA & Garcia PL (2001) Sleep disturbances after acute exposure to alcohol in mothers' milk. *Alcohol* 25:153–8
- Menni F, Lonlay P de, Sevin C *et al.* (2001) Neurologic outcomes of 90 neonates and infants with persistent hyperinsulinemic hypoglycemia. *Pediatr* 107:476–9
- Ment LR & Vohr BR (2008) Preterm birth and the developing brain. *Lancet Neurol*. 7:378–9
- Menon V (2011) Large-scale brain networks and psychopathology: a unifying triple network model. *TICS* 15:483–506
- Menon V (2019) Towards a new model of understanding – The triple network, psychopathology and the structure of the mind. *Med Hypoth* 133:1–7 109385
- Menon V & Uddin LQ (2010) Saliency, switching, attention and control: a network model of insula function. *Brain Struct Funct*. 214: 655–67
- Menyuk P (1986) Language development in a social context. *J of Pediatrics*. 109:217–24
- Merians AS, Clark MA, Poizner H *et al.* (1997) Visual-imitative dissociation apraxia. *Neuropsychol* 11:1483–90
- Merker B (2007) Consciousness without a cerebral cortex: A challenge for neuroscience and medicine. *Behav Brain Sci* 30:63–134
- Merleau-Ponty M (2009) Fenomenologie van de waarneming, Amsterdam: Boom
- Merrick CM, Dixon TC, Breska A *et al.* (2022) Left hemisphere dominance for bilateral kinematic encoding in the human brain. *eLife* 2022;11:e69977
- Mervis C & Bertrand J (1994). Acquisition of the novel name-nameless category (N3C) principle. *Child Dev*. 65: 1646–62
- Mervis CB & Klein-Tasman CB (2000) Williams syndrome: Cognition, personality, and adaptive behavior. *Ment Ret Dev Disab Res Rev* 6:148–58
- Merzenich MM, Nelson RJ, Stryker MP *et al.* (1984) Somatosensory Cortical Map Changes Following Digit Amputation in Adult Monkeys. *J Comp Neurol* 224:591–605
- Merzenich MM, Jenkins WM, Johnston P *et al.* (1996) Temporal processing deficits of language-learning impaired children ameliorated by training. *Sci* 271:77–81
- Mesker (1969, 1980) *De menselijke hand: Een onderzoek naar de ontwikkeling van de handvaardigheid in relatie tot die van de cerebrale organisatie gedaan bij leergestoorde kinderen*. Nijmegen: Dekker Dekker & Van de Vegt.
- Idem (2016) Amsterdam: Suyi Publ
- Mesker (1981) Kunnen en niet kunnen Begrip en functie in de orthodidactiek. Nijmegen: Dekker & van de Vegt.
- Idem 2017, Amsterdam: Suyi Publ
- Mesoudi A, Whiten A & Laland KN (2006) towards a unified science of cultural evolution. *Behav Brain Sci* 29:329–47
- Messerli P, Pegna A & Sordet N (1995) Hemispheric dominance for melody recognition in musicians and non-musicians. *Neuropsychol* 33:395–405
- Mesulam M-M (1981) A cortical network for directed attention and unilateral neglect. *Ann Neurol* 10:309–25
- Mesulam M-M (1985) *Principles of behavioral neurology*. Davis Company, Philadelphia, 134–140
- Mesulam M-M (1986) Frontal cortex and behavior. *Ann Neurol* 19:320–25
- Mesulam M-M (1990) Large-scale neurocognitive networks and distributed processing for attention, language, and memory. *Ann Neurol* 28:597–613
- Mesulam M-M (2008) Representation, Inference, and Transcendent Encoding in Neurocognitive Networks of the Human Brain. *Ann Neurol* 64: 367–78
- Metz-Lutz M-N (2009) The assessment of auditory function in CSWS: Lessons from long-term outcome. *Epilepsia* 50:73–76
- Metzger MM (1999) Differential effects of transformation on facial recognition in young children: A pilot study. *Perceptual Motor Skills* 89:799–807
- Metzinger Th (2004) *Being no one. The self-model theory of subjectivity*. Cambridge, MA: The MIT Press
- Meyer B-U, Röricht S, Einsiedel H Gräfin von *et al.* (1995) Inhibitory and excitatory interhemispheric transfers between motor cortical areas in normal humans and patients with abnormalities of the corpus callosum. *Brain* 118:429–40
- Meyer DR & Meyer MP (1984) Bases of recoveries from perinatal injuries to the cerebral cortex. In: Finger S and Almli CR (eds) *Early brain damage, vol 2. Neurobiology and behavior*. Acad Press, New York, pp 211–24
- Meyer M, Kircher M, Gansauge M- T *et al.* (2012) A high-coverage genome sequence from an archaic Denisovan individual. *Sci*. 338:222–6
- Miall RC & Reckess GZ (2002) The cerebellum and the timing of coordinated eye and hand tracking. *Brain Cognit* 48:212–26
- Michel GF (1998) A lateral bias in the neuropsychological functioning of human infants. *Dev Neuropsychol* 14:445–69
- Michel GF, Babik I, Nelson EL *et al.* (2018) Evolution and development of handedness: an evo-devo approach. *Prog Brain Res* 238:347–74
- Michel GF, Tyler AN, Ferre C *et al.* (2006). The manifestation of infant hand-use preferences when reaching for objects during the seven- to thirteen-month age period. *Dev Psychobiol* 48:436–43
- Michelotti J, Charman T, Slonims V *et al.* (2002) Follow-up of children with language delay and features of autism from preschool years to middle childhood. *DMCN* 44L812–19
- Michelson D, Allen AJ, Busner J *et al.* (2002) Once-daily atomoxetine treatment for children and adolescents with ADHD: a randomized, placebo-controlled study. *Am J Psychiat* 159:1896–1901
- Michon JA & Jackson JL (eds 1985) *Time, Mind and Behavior*. Springer-Verlag, Heidelberg, pp 313
- Michotte A (1962) *The perception of causality*. Methuen, Andover, MA
- Mikhailova ES, Vladimirova TV, Iznak AF *et al.* (1996) Abnormal recognition of facial expression of emotions in depressed patients with major depression disorder and schizotypal personality disorder. *Biol Psychiat* 40:697–705
- Mikkelsen EJ (2001) Enuresis and encopresis: Ten years of progress. *JAACAP* 40:1146–58
- Mikulincer M & Shaver PR (2007) Psychodynamics of attachment and sexuality. In: D Diamond SJ Blatt & JD Lichtenberg (eds). *Attachment and sexuality*. New York: Analytic Press, pp. 51–7
- Miller AB, Machlin L, McLaughlin KA *et al.* (2020) Deprivation and psychopathology in the Fragile Families Study: A 15-year longitudinal investigation. *JCPP* doi:10.1111/jcpp.13260
- Miller B, Cumming J, Mishkin F *et al.* (1998) Emergence of artistic talent in frontotemporal dementia. *Neuro* 51:978–82
- Miller CA (1982) Degree of lateralization as a hierarchy of manual and cognitive skill levels. *Neuropsychologia* 20:155–62
- Miller G & Ramer JC (1992) *Static encephalopathies of infancy and childhood*. Raven Press, New York
- Miller HL, Licari MK, Bhat A *et al.* (2024) Motor problems in autism: Co-occurrence or feature? *DMCN* 66:16-22
- Miller JL & Eimas PD (1995) Speech perception: From signal to word. *Annu Rev Psychol* 46:467–92
- Miller JS, Brown WS, Mangum RW *et al.* (2024) Adaptive behavior in primary agenesis of the corpus callosum. *Res Dev Disabil*. 154:104862
- Miller LJ (1982) *Assessment for preschoolers*. The Foundation for Knowledge in Development. Littleton, Colorado 80120, USA
- Miller SP, Shevell MI, Patenaude Y *et al.* (2000) Neuromotor spectrum of periventricular leukomalacia in children born at term. *Pediatr Neurol* 23:155–9
- Millichap JG, Aymat F, Sturgis LH *et al.* (1968) Hyperkinetic behavior and learning disorders, iii. Battery of neuropsychological tests in controlled trial of methylphenidate. *Am J Dis Child* 116:235–44
- Millman LS, Williams IA, Jungillgens J *et al.* (2024) Neurocognitive performance in functional neurological disorder: A systematic review and meta-analysis. *Eur J Neurol*. 2024;00:e16386
- Mills DL, Coffey-Corina SA & Neville H (1994) Variability in cerebral organization during primary language acquisition. In: Dawson G & Fisher KW (eds) *Human behavior and the developing brain*. The Guilford Press, New York, pp 427–55
- Milner AD & Goodale MA (1995) *The visual brain in action*. Oxford Un Press, Oxford
- Milner B (1964) Some effects of frontal lobectomy in man. In: Warren JM & Akert H (eds) *The frontal granular cortex and behaviour*. McGraw-Hill, New York, pp 313–34

- Milner B (1968) Preface: Material specific and generalized memory loss. *Neuropsychol* 6:175–79
- Milner B (1970) Memory and the medial temporal regions of the brain. In: KH Pribram & DE Broadbent (eds) *Biological bases of memory*. Ac Press, New York
- Milner B (1971) Interhemispheric differences and psychological processes. *Br Med Bull* 27:272–77
- Milner B (1974) Hemispheric specialization: Scope and limits. In: FO Schmitt and FG Worden (eds) *The neurosciences: Third research program*. MIT Press, Cambridge Mass, pp 75–89
- Milner D (1983) Neuropsychological studies of callosal agenesis. *Psychol Med* 13:731–25
- Milner D (1994) Visual integration in callosal agenesis. In: Lassonde M & Jeeves M (eds) *Callosal agenesis: A natural split-brain?* Plenum Press, New York, pp 171–84
- Minagawa-Kawai Y, Matsuoka S *et al.* (2009) Prefrontal activation associated with social attachment: Facial emotion recognition in mothers and infants. *Cerebral Cortex* 19:284–92
- Minagawa-Kawai Y, Cristia A & Dupoux E (2011a) Cerebral lateralization and early speech acquisition: A developmental scenario. *Dev Cogn Neurosci* 1:217–32
- Minagawa-Kawai YA & Dupoux E (2011a) Cerebral lateralization and early speech acquisition: A developmental scenario. *Dev Cogn Neurosci* 1:217–32
- Minagawa-Kawai Y, Mori K, Naoi N *et al.* (2007) Neural attunement processes in infants during the acquisition of a language-specific phonemic contrast. *J Neurosci* 27:321–15
- Minde K, Goldberg S, Perrotta M *et al.* (1989) Continuities and discontinuities in the development of 64 very small premature infants to 4 years of age. *JCPP* 30:391–404
- Minderaa RB (1985) *Neurochemical aspects of childhood autism*. Thesis. Krips Repro, Meppel
- Minnigulova A, Davydova E, Pereverzeva D *et al.* (2023) Corpus callosum organization and its implication to core and co-occurring symptoms of Autism Spectrum Disorder. *Brain Struct Funct*. 228:775–85
- Minshew NJ, Meyer JA & Dunn M (2003) Autism spectrum disorders. In: Segalowitz SJ & Rapin I *Handbook of neuropsychology*. Amsterdam, Elsevier, pp 863-96
- Mirsky AF, Duncan CC & Myslobodsky MS (1986) Petit-mal epilepsy: A review and integration of recent information. *J Clin Neurophysiol* 3:179–208
- Misaghia E, Zhang Z, Gracco VL *et al.* (2018) White matter tractography of the neural network for speech-motor control in children who stutter. *Neurosci Lett* 668:37–42
- Mishkin M (1982) A memory system in the monkey. *Phylos Trans R Soc Lond (Biol)* 298:85–95
- Mishkin M & Appenzeller T (1987) The anatomy of memory. *Sci Am* 256:62–71
- Modell AH (1993) *The private self*. London: Harvard Un Press
- Mody M, Studdert-Kennedy M & Brady S (1997) Speech perception deficits in poor readers: Auditory processing or phonological coding? *J Exp Child Psychol* 64:199–231
- Moe-Nilssen R, Helbostad JL, Talcott JB *et al.* (2003) Balance and gait in children with dyslexia. *Exp Brain Res*. 150:237–44
- Moffat SD & Hampson E (2000) Salivary testosterone concentrations in left-handers: An association with cerebral language lateralization? *Neuropsychol* 14:71–81
- Moffat SD, Hampson E & Lee DH (1998) Morphology of the planum temporale and corpus callosum in left handers with evidence of left and right hemisphere speech representation. *Brain* 121:2369–79
- Moffitt TE (2005) Genetic and environmental influences on antisocial behaviors: evidence from behavioral-genetic research. *Advan Genet* 55:41–104
- Moffitt TE, Brammer GL, Caspi A *et al.* (1997) Whole blood serotonin relates to violence in an epidemiological study. *Biol Psychiat* 43:446–58
- Mogg K & Bradley BP (1999) Orienting of attention to threatening facial expressions presented under conditions of restricted awareness. *Cognit Emotion* 13:713–40
- Mohades SG, Struys E & Van Schuerbeek P (2011) DTI reveals structural differences in white matter tracts between bilingual and monolingual children. *Brain Res* 1435:72–80
- Mohr B, Landgrebe A & Schweinberger SR (2002) Interhemispheric cooperation for familiar but not unfamiliar face processing *Neuropsychol* 40:1841–8
- Mol Lous A (2014) *Depression and play in early childhood*. Thesis, Radboud Universiteit Nijmegen
- Mole J, Ruffle JK, Nelson A *et al.* (2025) A right frontal network for analogical and deductive reasoning. *Brain* 148:1757–68
- Moleski M (2000) Neuropsychological, neuro-anatomical, and neurophysiological consequences of CNS chemotherapy for acute lymphoblastic leukemia. *Arch Clin Neuropsychol* 15:603–30
- Molfese DL (1977) Infant cerebral asymmetry. In: SJ Segalowitz and FA Gruber (eds) *Language development and neurological theory*. Academic Press, New York pp 22–35
- Molfese DL, Freeman RB & Palermo DS (1975) The ontogeny of brain lateralization for speech and non-speech stimuli. *Brain Lang* 2:356–68
- Molfese DL & Molfese VJ (1988) Right-hemisphere responses from preschool children to temporal cues to speech and nonspeech materials: electrophysiological correlates. *Brain Lang* 33:245–59
- Molfese JV & Thomson B (1985) Optimality versus complications: Assessing predictive values of perinatal scales. *Child Dev* 56:810–23
- Molfese VJ & Betz JC (1987) Language and motor development in infancy: three views with neuropsychological implications. *Dev Neuropsychol* 3:255–74
- Molinari M, Chiricozzi FR, Clausi S *et al.* (2008) Cerebellum and Detection of Sequences, From Perception to Cognition. *Cerebellum* 7:611-5
- Molko N, Cohen L & Mangin JF (2002) Visualizing the neural bases of a disconnection syndrome with diffusion tensor imaging. *J Cogn Neurosci* 14:629–56
- Moll H & Tomasello M (2006) Level 1 perspective-taking at 24 months of age. *Br J Dev Psychol* 24:603–13
- Moll K, Landerl K, Snowling MJ *et al.* (2018) Understanding comorbidity of learning disorders: task-dependent estimates of prevalence. *JCPP* 60:286–94
- Molnár Z, Tavare A & Cheung FP (2007) The origin of neocortex: lessons from comparative embryology. In: Evolution of Nervous Systems, Vol. 3: Mammals (JH Kaas & LA Krubitzer, Eds) 13–26. Oxford: Elsevier
- Mondloch CJ & Maurer D (2004) Do small white balls squeak? Pitch-object correspondences in young children. *Cogn, affect & Behav Neurosci* 4:133–6
- Money J (1973) Turner's syndrome and parietal lobe functions. *Cortex* 9:387–93
- Monroe RR (1974) Episodic behavioral disorders: An unclassified syndrome. In: S Ariety & EB Brody (eds). vol. 3 American Handbook of Psychiatry. Basic Books New York pp 237–54
- Monset-Couchard M, Bethmann O de & Kastler B (1996) Mid- and long-term outcome of 89 premature infants weighing less than 1,000 g at birth, all small for gestational age. *Biol Neonate* 70:328–38
- Monset-Couchard M, Bethmann O de & Kastler B (2002) Mid- and long-term outcome of 166 premature infants weighing less than 1,000 g at birth, all small for gestational age. *Biol Neonate* 81:244–54
- Montag C & Davis KL (2018) Affective Neuroscience Theory and Personality: An Update. *Person Neurosci*. Vol 1: e12, 1–12.
- Montangero J (1977) *La notion de durée chez l'enfant de 5 à 9 ans*. PUF, Paris, 252 p
- Montagner H (1988) *L'attachement, les débuts de la tendresse*. Paris: Odile Jacob
- Montagu A (1979) *La peau et le toucher. Un premier langage*. Paris: Editions du Seuil.
- Montgomery AK, Shuffrey LC, Guter SJ *et al.* (2018) Maternal serotonin levels are associated with cognitive ability and core symptoms in autism spectrum disorder. *JAACAP* 57:867–75
- Montgomery JW (2000) Verbal working memory and sentence comprehension in children with Specific Language Impairment. *J Speech, Lang & Hear Res* 43:293–308
- Monti RP, Lorenz R, Braga RM (2017) Real-time estimation of dynamic functional connectivity networks. *Hum Brain Mapp* 38:202–20
- Moore AA, Rappaport LM, Blair RJ *et al.* (2019) Genetic underpinnings of callous-unemotional traits and emotion recognition in children, adolescents, and emerging adults. *JCPP* 60:638–45
- Moore JK (2002) Maturation of human auditory cortex: Implications for speech perception. *Ann Otol Rhinol Laryngol* 111:7–10
- Moore KL, Persaud TVN, Torchia MG (2020) The developing human. Clinically oriented Embryology. Amsterdam: Elsevier
- Morales-Muñoz I, Upthegrove R, Lawrence K *et al.* (2023) The role of inflammation in the prospective associations between early childhood sleep problems and ADHD at 10 years: findings from a UK birth cohort study. *JCPP* 64:930–40
- Morange-Majoux F, Lemoine C & Dellatolas G (2013) Early manifestations of manual speciali-

- sation in infants: A longitudinal study from 20 to 30 weeks. *Laterality* 18:231–50
- Moreaud O, Charnallet A & Pellat J (1998) Identification without manipulation: a study of the relations between object use and semantic memory. *Neuropsychol* 36:1295–301
- Moreno I, de Vega M & León I (2013) Understanding action language modulates oscillatory mu and beta rhythms in the same way as observing actions. *Brain Cogn* 82:236–42
- Moretti R, Bava A, Torre P *et al.* (2002) Reading errors in patients with cerebellar vermis lesions. *J Neurol* 249:461–8
- Morgan AT, Masterton R, Pigdon L *et al.* (2013) Functional magnetic resonance imaging of chronic dysarthric speech after childhood brain injury: reliance on a left-hemisphere compensatory network. *Brain J Neurol* 136:646–57
- Morgan TJH, Uomini NT, Rendell LE *et al.* (2015) Experimental evidence for the co-evolution of hominin tool-making teaching and language. *Nature Comm* 6:6029
- Morgan AT & Webster R (2018) Aetiology of childhood apraxia of speech: A clinical practice update for paediatricians. *J Paediat & Child Health* 54:1090–95
- Mori K, Toda Y, Ito H *et al.* (2013) A proton magnetic resonance spectroscopic study in autism spectrum disorders: amygdala and orbito-frontal cortex. *Brain Dev* 35:139–45
- Morin S (1965) EEG Correlates of stuttering. *EEG Clin Neurophysiol* 18:425
- Morley ME (1972) *The development and disorders of speech in childhood*. Churchill Livingstone, London
- Morotti H, Mastel S, Keller K *et al.* (2020) Autism and attention-deficit/hyperactivity disorders and symptoms in children with neurofibromatosis type 1 DMCN doi/abs/10.1111/dmcn.14558
- Morris M (1969) *De Mensentuin*. Utrecht: Bruna
- Morris M (1997) *De andere sekse. Waarin mannen en vrouwen verschillen*. Houten: Van Holkema en Warendorf/Unie boek
- Morris RG, Ahmed S, Syed GM *et al.* (1993) Neural correlates of planning ability: Frontal lobe activation during the tower of London test. *Neuropsychol* 31:1367–78
- Morris RGM (2002) Episodic-like memory in animals: psychological criteria, neural mechanisms and the value of episodic-like tasks to investigate animal models of neurodegenerative disease. In: *Episodic Memory. New directions in Research*, eds. Baddeley A Conway M & Aggleton J Oxford, Oxford University Press. Pp. 181–203
- Morrison I, Björnsdotter M & Olsson H (2011) Vicarious Responses to Social Touch in Posterior Insular Cortex Are Tuned to Pleasant Caressing Speeds. *J Neurosci* 31: 9554–62
- Morrison I, Löken LS, Minde J *et al.* (2011) Reduced C-afferent fibre density affects perceived pleasantness and empathy for touch. *Brain* 134: 1116–26
- Morrison JA & Stewart MA (1974) Bilateral inheritance as evidence for polygenicity in the hyperactive child syndrome. *J Nerv Ment Dis* 158:226–28
- Morrow CE, Bandstra ES, Anthony JC *et al.* (2003) Influence of prenatal cocaine exposure on early language development: Longitudinal findings from four months to three years of age. *J Dev Behav Pediatr* 24:39–50
- Morsanyi K, van Bers BMCW, McCormack T *et al.* (2018) The prevalence of specific learning disorder in mathematics and comorbidity with other developmental disorders in primary school-age children. *Br J Psychol* 109:917–40
- Morse PA (1972) The discrimination of speech and nonspeech stimuli in early infancy. *J Exp Child Psychol* 14:477–92
- Morselli PL, Pippenger CE & Penry JK (ed 1983) *Antiepileptic drug therapy in pediatrics*. Raven Press, New York
- Mort DJ, Malhotra P, Mannan SK *et al.* (2003) The anatomy of visual neglect. *Brain* 126:1986–97
- Morton J & Johnson MH (1991) conspec and conlern: a two-process theory of infant face recognition. *Psychol Rev* 98:164–81
- Moscovitch M (1979) Information processing and the cerebral hemispheres. In: MS Gazzaniga (ed) *Handbook of behavioral neurobiology*. Plenum Press, NY, p 379–466
- Moscovitch M (ed 1984) *Infant memory. Advances in the study of communication and affect, vol 9*. Plenum Press, New York
- Moseley RL, Shtyrov Y & Mohr B (2014) Lost for emotion words: What motor and limbic brain activity reveals about autism and semantic theory. *Neuro-Image* 104:413–22
- Moser C, Spencer-Smith MM, Anderson PJ *et al.* (2024) Language and communication functioning in children and adolescents with agenesis of the corpus callosum. *Brain Lang*. 255:105448
- Moser HW, Loes DJ, Melhem ER *et al.* (2000) X-linked adrenoleukodystrophy: Overview and prognosis as a function of age and brain magnetic resonance imaging abnormality. A study involving 372 patients. *Neuropediatr* 31:227–39
- Moss EM, Batshaw ML, Solot CB *et al.* (1999) Psychoeducational profil van the 22q11.2 microdeletion: A complex pattern. *J Pediatr* 134:193–8
- Mostofsky SH, Cooper KL, Kates WR *et al.* (2002) Smaller prefrontal and premotor volumes in boys with ADHD. *Biol Psychiat* 52:785–94
- Mostofsky SH, Goldberg MC, Landa RJ *et al.* (2000) Evidence for a deficit in procedural learning in children and adolescents with autism: Implications for cerebellar contribution. *J Int Neuropsychol Soc* 6:752–9
- Mostofsky SH, Newschaffer CJ, Denckla MB (2003) Overflow movements predict impaired response inhibition in children with ADHD. *Percept Mot Skills* 97:1315–31
- Mostofsky SH, Reiss AL, Lockhart P *et al.* (1998) Evaluation of cerebellar size in attention-deficit hyperactivity disorder. *J Child Neurol* 13:434–9
- Mostofsky SH, Rimrod SL, Schafer JG, *et al.* (2006) Atypical motor and sensory cortex activation in attention-deficit/ hyperactivity disorder: a functional magnetic resonance imaging study of simple sequential finger tapping. *Biol Psychiat* 59:48–56.
- Mostofsky SH, Wendlandt J, Cutting L *et al.* (1999) Corpus callosum measurements in girls with Tourette syndrome. *Neurol* 53:1345–7
- Motes-Rodrigo A, McPherron SP, Archer W *et al.* (2022) Experimental investigation of orangutans’ lithic percussive and sharp stone tool behaviours. *PLoS ONE* 17:e0263343
- Mounier-Kuhn P & Lafon JC (1968) *Les rythmes*. SIMEP, Lyon, 350 p
- Mouridsen SE (2003) Childhood disintegrative disorder. *Brain Dev* 25:225–8
- Mouridsen SE, Rich B & Isager T (1999) The natural history of somatic morbidity in disintegrative psychosis and infantile autism: A validation study. *Brain Dev* 21:447–52
- Moutard M-L, Kieffer V, Feingold J *et al.* (2003) Agenesis of corpus callosum: prenatal diagnosis and prognosis. *Childs Nerv Syst* 19:471–6
- Msall M, Shapiro B, Balfour PB *et al.* (1986) Acquired epileptic aphasia. *Neurol* 25:248–51
- Muehl S, Knott JR & Benton AV (1965) EEG abnormality and psychological test performance in reading disability. *Cortex* 1:434–40
- Mueller KLO, Marion SD, Paul LK *et al.* (2009) Bimanual Motor Coordination in Agenesis of the Corpus Callosum. *Behav Neurosci* 123:1000–11
- Mukherjee P, Miller JH, Shimony JS *et al.* (2001) Normal brain maturation during childhood: Developmental trends characterized with diffusion-tensor MR imaging. *Radiol* 221:349–58
- Mulder EJ, Morssink LP, van der Schee T *et al.* (1998) Acute maternal alcohol consumption disrupts behavioral state organization in the near-term fetus. *Pediatr Res*. 44:774–9
- Mulhern RK, Palmer SL, Reddick WE *et al.* (1999) Neurocognitive deficits in medulloblastoma survivors and white matter loss. *Ann Neurol* 46:834–41
- Mullaart R (1997) *Cerebral blood flow & neonatal brain damage after preterm birth*. Thesis, Univ Nijmegen
- Müller F, Kunesch E, Binkofski F *et al.* (1991) Residual sensorimotor functions in a patient after right-sided hemispherectomy. *Neuropsychol* 29:125–45
- Müller HF, Achim A, Laur A *et al.* (1986) Topography and possible physiological significance of EEG amplitude variability in psychosis. *Acta Psychiatr Scand* 73:665–75
- Muller K & Homberg V (1992) Development of speed of repetitive movements in children is determined by structural changes in corticospinal efferents. *Neurosci Lett* 144:57–60
- Müller R-A, Behen ME, Rothermel RD *et al.* (1999) Brain mapping of language and auditory perception in high-functioning autistic adults: A PET study. *J Aut Dev Disord* 29:19–31
- Müller R-A, Rothermel RD, Behen ME *et al.* (1998) Differential patterns of language and motor reorganization following early left hemisphere lesion. A PET study. *Arch Neurol* 55:1113–19
- Müller R-A, Rothermel RD, Behen ME *et al.* (1999) Language organization in patients with early and late left-hemisphere lesion: A PET study. *Neuropsychol* 37:545–57

- Müller R-A (2004) Genes, language disorders, and developmental archaeology: What role can neuroimaging play? *Dev Lang Disord, Phenotypic Etiol* pp 291–328
- Müller WE, Eckert GP, Eckert A (1999) Pi-racetam: Novelty in a Unique Mode of Action. *Pharmacopsychiat* 32 Suppl 1:2–9
- Müller-Axt C, Kauffmann L, Eichner C *et al.* (2025) Dysfunction of the magnocellular subdivision of the visual thalamus in developmental dyslexia. *Brain*. 148252–61
- Mundy P, Card J & Fox N (2000) EEG correlates of the development of infant joint attention skills. *Dev Psychobiol* 36:325–38
- Muñoz-López M, Hoskote A, Chadwick MJ *et al.* (2017) Hippocampal damage and memory impairment in congenital cyanotic heart disease. *Hippoc* 27:417–24
- Muñoz Zúñiga JF, Ramirez-Bermudez J, Flores Rivera J de J, *et al.* (2015). Catatonia and Klüver-Bucy Syndrome in a Patient With Acute Disseminated Encephalomyelitis. *J Neuropsychiat Clin Neurosci*, 27:e161–e162
- Murakami F, Song WJ & Katsumaru H (1992) Plasticity of neuronal connections in developing brains of mammals. *Neurosci Res* 15:235–54
- Murakami JW, Courchesne E, Press GA *et al.* (1989) Reduced cerebellar hemisphere size and its relationship to vermal hypoplasia in autism. *Arch Neurol* 46:689–94
- Murdock BB (1967) Recent developments in short-term memory. *Br J Psychol* 58:421–33
- Mure LS, Vinberg F, Hanneken A *et al.* (2019) Functional diversity of human intrinsically photosensitive retinal ganglion cells. *Sci* 366:1251–55
- Murin H *et al.* (2011) Discriminating Reactive Attachment Disorder From Autism Spectrum Disorders: Key Symptoms and Clinical Characteristics. Conference
- Murner-Lavanchy I, Steinlin M, Kiefer C *et al.* (2015) Delayed development of neural language organization in very preterm born children. *Dev neuropsychol* 39:529–42
- Murphy DGM, Allen G, Haxby JV *et al.* (1994) The effects of sex steroids, and the x chromosome, on female brain function: A study of the neuropsychology of adult Turner syndrome. *Neuropsychol* 32:1309–23
- Murphy E & Benítez-Burraco A (2017) Language deficits in schizophrenia and autism as related oscillatory connectomopathies: An evolutionary account. *Neurosci Biobehav Rev* 83:742–64
- Murphy R & Honey R (eds, 2016) The Wiley Handbook on the cognitive Neuroscience and Learning. 624 pp. Wiley-Blackwell
- Murphy FC, Nimmo-Smith I & Lawrence AD (2003) Functional neuroanatomy of emotions: a meta-analysis. *Cogn Affect Behav Neurosci* 3:207–33
- Murray EA, Cermak SA & O'Brien V (1990) The relationship between form and space perception, constructional abilities, and clumsiness in children. *Am J Occup Therap* 44:623–8
- Murray EA & Mishkin M (1985) Amygdalec-tomy impairs crossmodal association in monkeys. *Sci* 228:604–606
- Murray S & Krasich K (2020) Can the mind wander intentionally? *Mind & Lang* 37:432–41
- Musaph H (1974) Huidcontact. *Ned T Geneesk* 118:1861–3
- Musatti T, Veneziano E & Mayer S (1998) Contributions of language to early pretend play. *Curr Psychol Cogn* 17:155–84
- Musiek FE & Reeves A (1986) The effects of partial and complete commissurotomy on central auditory function. In: Leporé F, Pito M & Jasper HH (eds) *Two hemispheres—one brain: Functions of the corpus callosum*. Alan R Liss Inc, New York, pp 423–43
- Musiek FE, Reeves AG & Baran JA (1985) Release from central auditory competition in the split-brain patient. *Neural* 35:983–7
- Muskens J (2024) *Keep the body in mind. Towards integrating physical and mental health in child and adolescent psychiatry*. Thesis, Nijmegen
- Mussie M, Skinner MM, Melis RT *et al.* (2023) Homo erectus lived at high altitudes and produced both Oldowan and Acheulean tools. *Science* 12 oct DOI: 10.1126/science.add9115
- Muter V, Taylor S & Vargha-Khadem F (1997) A longitudinal study of early intellectual development in hemiplegic children. *Neuropsychol* 35:289–98
- Myers EH, Hampson M, Vohr B, *et al.* (2010) Functional connectivity to a right hemisphere language center in prematurely born adolescents. *NeuroImage*. 51:1445–52
- Myklebust HR (1978) Toward a science of dyslexiology. In: HR Myklebust (ed) *Progress in learning disabilities, vol Iv*. Grune and Stratton, New York, pp 1–40
- Mylopotamitaki D, Weiss M, Fewlass H *et al.* (2023) Homo sapiens reached the higher latitudes of Europe by 45,000 years ago. *Nature* 626:341–6
- Myslobodsky MS & Weiner M (1983) Pharmacopsychotherapy and aberrant brain laterality. In: Myslobodsky MS (ed) *Hemisyndromes. Psychobiology, neurology, psychiatry*. Acad Press, New York, pp 447–78
- Myslobodsky MS, Mintz M & Tomer R (1983) Neuroleptic effects and the site of abnormality in schizophrenia. In: Myslobodsky MS (ed) *Hemisyndromes. Psychobiology, neurology, psychiatry*. Acad Press, New York, pp 347–88
- N**
- Naber FBA, Bakermans-Kranenburg MJ, Van Ijzendoorn MH *et al.* (2008a) Joint attention development in toddlers with autism. *Eur J Child Adolesc Psychiat* 17:143–52
- Naber FBA, Swinkels SHN, Buitelaar JK *et al.* (2007a) Attachment in toddlers with autism and other developmental disorders. *J Autism Dev Dis* 37:1123–38
- Naber FBA, Swinkels SHN, Buitelaar JK *et al.* (2007b) Joint attention and attachment in toddlers with autism. *J Abn Child Psychol* 35:899–911
- Nachshon I & Carmon A (1975) Hand preference in sequential and spatial discrimination tasks. *Cortex* 11:123–31
- Nachshon I & Denno D (1986) Birth order and lateral preferences. *Cortex* 22:567–78
- Nadel J & Potier C (2002) Imiter et être imité dans le développement de l'intentionnalité. In: Nadel J & Decety J (eds) *Imiter pour découvrir l'humain*. Paris, PUF, pp. 83–104
- Nadig A & Shaw H (2012) Acoustic and perceptual measurement of expressive prosody in high-functioning autism: increased pitch range and what it means to listeners. *J Autism Dev Disord*. 42:499–511
- Nagasaki H, Kosaka K & Nakamura R (1981) Disturbances of rhythm formation in patients with hemispheric lesion. *J Exp Med* 135: 231–36
- Nagel Th (1974) What Is It Like to Be a Bat? *Phil Rev* 83: 435–50
- Nagel T (1986) *The view from nowhere*. New York: Oxford Un Press
- Nagy E, Compagne H, Orvos *et al.* (2005) Index finger movements imitation by human neonates: motivation, learning and lefthand preference. *Pediatr Res* 25: 625–60
- Nagy E, Pal A & Orvos H (2014) Learning to imitate individual finger movements by the human neonate. *Dev Sci* 17:841–57
- Naidich TP & Fulling KH (eds, 1983) Congenital malformations of the brain. *Neuroradiol* 25:177–303
- Naidich TP, Grant JL, Altman N *et al.* (1994) The developing cerebral surface. Preliminary report on the patterns of sulcal and gyral maturation – Anatomy, ultrasound, and magnetic resonance imaging. *Neuroimag Clin N Am* 4:201–40
- Nakajima R, Kinoshita M, Miyashita K *et al.* (2017) Damage of the right dorsal superior longitudinal fascicle by awake surgery for glioma causes persistent visuospatial dysfunction. *Sci Rep* 7:17158
- Nakamura H, Nagafuchi M, Nakamura S, *et al.* (1984) Functional significance of the corpus callosum based on the analysis of rhythmic capabilities in the split-brain patients. *J Exp Med* 142:363–79
- Nakamura J & Csikszentmihalyi M (2002) The Concept of Flow. In C Snyder & S Lopez (Eds.), *Handbook of Positive Psychology* (pp. 89-105). New York: Univ. Press
- Nakamura K, Kawashima R, Ito K *et al.* (1999) Activation of the right inferior frontal cortex during assessment of facial emotion. *J Neurophysiol* 82:1610–14
- Nakamura M, Watanabe K, Matsumoto A *et al.* (2001) Williams syndrome and deficiency in visuospatial recognition. *DMCN* 43:617–21
- Nakano K (2000) Neural circuits and topographic organization of the basal ganglia and related regions. *Brain Dev* 22:s5–16
- Nakao T, Matsumoto T, Morita M *et al.* (2013) The degree of early life stress predicts decreased medial prefrontal activations and the shift from internally to externally guided decision making: an exploratory NIRS study during resting state and self-oriented task. *Front Hum Neurosci* 7:339
- Nakeva Von Mentzer C (2020) Phonemic discrimination and reproduction in 4-5-year-old children: Relations to hearing. *Int J Pediatr Otorhinolaryngol*. 133:109981
- Nalçacı E, Başar-Eroglu C & Stadler M (1999) Visual evoked potential interhemispheric transfer time in different frequency bands. *Clin Neurophysiol* 110:71–81

- Nalçacı E, Kalaycioglu C, Çiçek M *et al.* (2001) The relationship between handedness and fine motor performance. *Cortex* 37:493–500
- Naouri A (1982) *L'enfant porté*. Paris : Editions du Seuil Napier J (1993/2009 revision by RH Tuttle) *Hands*. Princeton NJ: Princeton Univ Press
- Narad ME, Smith-Paine J, Cassidy A *et al.* (2024) Recovery trajectories of IQ after pediatric TBI: A latent class growth modeling analysis. *J Int Neuropsychol Soc*. 30:273–84
- Narr KL, Thompson PM, Sharma T *et al.* (2000) Mapping morphology of the corpus callosum in schizophrenia. *Cerebral Cortex* 10:40–9
- Nasr JT, Andriola MR & Coyle PK (2000) ADEM: Literature review and case report of acute psychosis presentation. *Pediatr Neurol* 22:8–18
- Nass R (1985) Mirror movement asymmetries in congenital hemiparesis: The inhibition hypothesis revisited. *Neurol* 35:1059–62
- Nass R & Baker S (1991) Learning disabilities in children with congenital adrenal hyperplasia. *J Child Neurol* 6:306–12
- Nass R, Baker S, Speiser P *et al.* (1987) Hormones and handedness: Left-hand bias in female congenital adrenal hyperplasia patients. *Neurol* 37:711–15
- Nass R, Gross A & Devinsky O (1998) Autism and autistic epileptiform regression with occipital spikes. *DMCN* 40:453–8
- Nass R & Gutman R (1997) Boys with Asperger's disorder, exceptional verbal intelligence, tics and clumsiness. *DMCN* 39:691–95
- Nass R & Koch D (1991) Innate specialization for emotion: Temperament differences in children with early left versus right brain damage. In: Amir N, Rapin I *et al.* (eds) *Pediatric Neurology: Behavior and Cognition of the Child with Brain Dysfunction*. Karger, Basel, pp 1–17
- Nass R, Peterson H & Koch D (1989) Differential effects of congenital right and left hemisphere injury on intelligence. *Brain Cogn* 9:258–66
- Nass R & Petrucha D (1990) Epileptic aphasia: a pervasive developmental disorder variant. *J Child Neurol* 5:327–28
- Nass R, Speiser P, Heier L *et al.* (1990) White matter abnormalities in congenital adrenal hyperplasia. *Ann Neurol* 28:470–5
- Nathan PW, Smith MC & Deacon P (1990) The spinocortical tracts in man. *Brain* 113:303–24
- Nation K (1999) Reading skills in hyperlexia: a developmental perspective. *Psychol Bull* 3:338–55
- Natsopoulos D, Kiosseoglou G, Xeromeritou A *et al.* (1998) Do the hands talk on mind's behalf? Differences in language ability between left- and right-handed children. *Brain Lang* 64:182–214
- Natsopoulos D, Koutsellini M, Kiosseoglou G *et al.* (2002) Differences in language performance in variations of lateralization. *Brain Lang* 82:223–40
- Naudé PJW, Claassen-Weitz S, Gard-ner-Lubbe S *et al.* (2020) Association of maternal prenatal psychological stressors and distress with maternal and early infant faecal bacterial profile. *Acta Neuropsych* 32:43–42
- Navon D (1977) Forest before trees: the precedence of global features in visual perception. *Cogn Psychol* 9:353–83
- Navon D (2022) How do genetic tests answer questions about neurodevelopmental differences? A sociological take. *DMCN* 64:1462–9
- Nazzi T & Ramus (2003) Perception and acquisition of linguistic rhythm by infants. *Speech Comm* 41:233–43
- Neiniger B & Pulvermüller F (2001) The right hemisphere's role in action word processing: a double case study. *Neurocase* 7:303–17
- Neisser U (1967) *Cognitive Psychology*. Appleton–Century–Crofts, New York
- Neisser U (1976) *Cognition en reality*. Freeman en Company, San Francisco
- Neisser U (1988) Five kinds of self-knowledge. *Philos Psychol* 1:35–39
- Neisser U (1993) 'The self perceived', in U Neisser (ed) *The Perceived Self: Ecological and Interpersonal Sources of Self Knowledge*. Cambridge: Cambridge Un Press, pp 237–53
- Nejad AB, Fossati P & Lemogne C (2013) Self-referential processing rumination and cortical midline structures in major depression. *Front Hum Neurosci* 7:666
- Neligan GA, Kolvin I, Scott DM *et al.* (1976) *Born too soon or born too small*. London: Clin Dev Med 61, SIMP, Heinemann Med Books Ltd
- Nelson BD, Kessel EM, Klein DN *et al.* (2018) Depression symptom dimensions and asymmetrical frontal cortical activity while anticipating reward. *Psychophysiol*. 55:10.1111/psyp.12892
- Nelson CA & Collins PF (1992) Neural and behavioural correlates of visual recognition memory in 4- and 8-month-old infants. *Brain Cogn* 19:105–21
- Nelson CA, Sullivan E & Engelstad A-M (2023) Annual Research Review: Early intervention viewed through the lens of developmental neuroscience. *JCPP*: July 12
- Nelson CD, Waggoner DD, Donnell GN *et al.* (1991) Verbal dyspraxia in treated galactosemia. *Pediatr* 88:346–9
- Nelson EL, Campbell JM & Michel GF (2013) Unimanual to bimanual: tracking the development of handedness from 6 to 24 months. *Infant Beh Dev* 36:181–88
- Nelson K & Gruendel JM (1981) Generalized event representations: Basic building blocks of cognitive development. In: K Nelson (ed) *Event knowledge: Structure and function in development*. vol 1, Erlbaum, Hillsdale NJ, pp 21–46
- Nemrodov D, Harpaz Y, Javitt DC (2011) ERP evidence of hemispheric independence in visual word recognition. *Brain & Lang* 118 :72–80
- Nerberhaus A, Segarra D, Caldu X *et al.* (2007) Gestational Age at Preterm Birth in Relation to Corpus Callosum and General Cognitive Outcome in Adolescents. *J Child Neurol* 6:761–5
- Neri G, Chiurazzi P, Arena F *et al.* (1992) XLMR genes: update 1992. *Am J Med Genet* 43:373–82
- Nersessian & Solms (1999) Editors' Introduction to Issue 1. *Neuropsychanalysis* 1:3–4
- Netelenbos JB (1998) *Motorische ontwikkeling van kinderen*. Handboek I: introductie pp 376; II: theorie pp 407. Uitg Boom, Amsterdam
- Netley C (1983) Sex chromosome abnormalities and the development of verbal and non-verbal abilities. In: Ludlow CHI & Cooper JA (eds) *Genetic aspects of speech and language disorders*. Acad Press, New York, pp 179–95
- Netz J, Ziemann U & Hömberg V (1995) Hemispheric asymmetry of transcallosal inhibition in man. *Exp Brain Res* 104:527–33
- Neufeld J, Hagström A, Van't Westeinde A *et al.* (2020) Global and local visual processing in autism – a co-twin-control study, *JCPP* 61:470–9
- Neundörfer B, Wallesch CW, Ehret W *et al.* (1977) Das leichte bis mittelschwere Schädelhirntrauma im Kindesalter. *Z Kinder-Jugendpsychiat* 5:203–21
- Neuner F & Schweinberger SR (2000) Neuropsychological impairments in the recognition of faces, voices, and personal names. *Brain Cognit* 44:342–66
- Neuropediatrics* (1995) Molecular and Neurobiology aspects of Rett syndrome. 26:57–128
- Neville HJ (1985) Brain potentials reflect meaning in language. *TINS* 8:91–92
- Nevo Y, Kramer U, Shinnar S *et al.* (2002) Macrocephaly in children with developmental disabilities. *Ped Neurol* 27:363–8
- Newbury D & Monaco (2010) A Genetic advances in the study of speech and language disorders. *Neuron* 68:309–20
- Newcombe NS, Balcumb F, Ferrara K *et al.* (2014) Two rooms, two representations? Episodic-like memory in toddlers and preschoolers. *Dev Sci* 17:743–56
- Newcombe F, Ratcliff G & Damasio H (1987) Dissociable visual and spatial impairments following right posterior cerebral lesions: Clinical, neuropsychological and anatomical evidence. *Neuropsychol* 25:149–61
- Newcorn JH, Huss M, Connor DF *et al.* (2020) Efficacy of Guanfacine Extended Release in Children and Adolescents With Attention-Deficit/Hyperactivity Disorder and Comorbid Oppositional Defiant Disorder. *Dev Behav Pediatr*, doi: 10.1097/DBP.0000000000000822
- Newman S (1933) Further experiments in phonetic symbolism. *Am J Psychol* 45:53–75
- Newman JP & Wallace JF (1993) Diverse pathways to deficient selfregulation: Implications for disinhibitory psychopathology in children. *Clin Psychol Rev* 13:699–720
- Newson E, Le Maréchal K & David C (2003) Pathological demand avoidance syndrome: A necessary distinction within the pervasive developmental disorders. *Arch Dis Child* 88:595–600
- Neyens LGJ, Alpherts WCJ & Aldenkamp AP (1995) Cognitive effects of a new pyrrolidine derivative (levetiracetam) in patients with epilepsy. *Prog Neuropsychopharmacol & Biol Psychiat* 19:411–9
- Niccum N, Rubens AB & Selnes OA (1983) Dichotic listening performance, language impairment, and lesion location in aphasic listeners. *J Speech Hearing Res* 26:35–42

- Nichelli P, Venneri A, Molinari M *et al.* (1993) Precision and accuracy of subjective time estimation in different memory disorders. *Cognit Brain Res* 1:87–93
- Nichols LW (2013) *The Paintings of Hendrick Goltzius 1558-1617. A Monograph and Catalogue Raisonné (Aetas Aurea, Monographs on Dutch & Flemish Painting, vol. XXIII)*. Davaco Publishers, Doornspijk
- Nicholls MER, Ellis BE, Clement JG *et al.* (2004). Detecting hemifacial asymmetries in emotional expression with three-dimensional computerized image analysis. *Proc Royal Soc B: Biol Sci*, 271: 663–8
- Nielsen-Saines, K, Brasil P, Kerin T *et al.* (2019) Delayed childhood neurodevelopment and neurosensory alterations in the second year of life in a prospective cohort of ZIKV-exposed children. *Nat Med* 25:1213–17
- Nieuwenhuys R, Voogd J & van Huijzen Chr (2008 4th ed) *The human central nervous system*. Springer-Verlag, Berlin
- Nieuwenhuys R, Broere CA & Cerliani (2015) A new myeloarchitectonic map of the human neocortex based on data from the Vogt-Vogt school. *Brain Struct Func* 220:2551–73
- Nijenhuis ERS, Van der Hart O & Steele K (2004). Trauma-related structural dissociation of the personality. *Trauma Info*. Trauma-pages.com
- Nijhof G, Joha D & Pekelharing H (1998) Aspects of stereotypic behaviour among autistic persons: A study of the literature. *Br J Dev Disab* 44:3–13
- Nijland L [2004] ‘Hé ze schiet weer’ of ‘Hé zus giet weer’. *Hersen Magazine*. vol. 4
- Niklasson L, Rasmussen P, Óskarsdóttir S *et al.* (2002) Chromosome 22q11 deletion syndrome (CATCH 22): Neuropsychiatric and neuropsychological aspects. *DMCN* 44:44–50
- Nikolaenko NN & Egorov A (1991) Functional brain asymmetry and changes in the structure of the visual space in emotional pathology and psychotropic exposures. *Zh Vyssh Nerv Deiat Im I P Pavlova* 41:680–90
- Nilsson KK & Jensen de Lopez K (2015) Theory of mind in children with specific language impairment: a systematic review and meta-analysis. *Child Dev* 87:143–53
- Nishikawa T, Okuda J, Mizuta I *et al.* (2001) Conflict of intentions due to callosal disconnection. *J Neurol Neurosurg Psychiatr* 71:462–71
- Njoikiktjen C (1983) Callosal dysfunction as a possible pathogenetic factor in developmental dysphasia. *ECFNS-symposium*, Noordwijkerhout, The Netherlands. *Neuropädiat* 14:123
- Njoikiktjen C (1984) Zur Pathogenese von Sprachentwicklungsstörungen. In: Michaelis R, Nolte R, Buchwald-Saal M & Haas GH (eds) *Entwicklungsneurologie*. Kohlhammer, Stuttgart, pp 83–85
- Njoikiktjen C (1985 and 1986) Developmental interhemispheric disconnection (abstract). *Clin Neurol Neurosurg* 87:75–76 / 88:320
- Njoikiktjen C (1988) *Pediatric Behavioural Neurology, Vol 1. Clinical Principles*. (396 pp) Amsterdam, Suyi Publ
- Njoikiktjen C (1989) Dysfatische ontwikkeling: klinisch belang en neurologische achtergronden. In: T. v. *Kindergeneeskunde* 57:106–112
- Njoikiktjen C (1990) Dysfatische Entwicklung: Klinische Bedeutung und neurologische Hintergründe. Developmental dysphasia: Clinical importance and underlying neurological causes. *Eur J Child Adolesc Psychiat & Acta Paedopsychiatr* 53:126–136 (in German and English)
- Njoikiktjen C (1993) Neurological arguments for a joint developmental dysphasia–dyslexia syndrome. In: A Galaburda (ed) *The extraordinary brain: Neurobiologic and neuropathologic issues in developmental dyslexia*, Cambridge (Mass) Harvard University Press. pp 205–236
- Njoikiktjen C (1994) Apparently normal survivors of brain damage: neuro-behavioral aspects at school-age. In: Amiel-Tison C & Stewart A (Eds) *The newborn infant: One brain for life*. Paris, Les éditions INSERM
- Njoikiktjen C (1994) Dyslexia: a neuroscientific puzzle. (review) *Acta Paedopsychiatr* 3:157–67
- Njoikiktjen C (1995) Gedragsneurologie: de praktische betekenis voor de hulpverlener. *Kind & Adol* 16:42–48
- Njoikiktjen C (1996) Morphologie et fonctionnement calleux dans la dyslexie de développement. *Rev de Neuropsychol* 6:347–69
- Njoikiktjen C (1996) *Problemen in de psychomotorische ontwikkeling*. Suyi Publicaties, Amsterdam
- Njoikiktjen C (1998) *ROFE test: Recognition of facial emotions*. Suyi Publ, Amsterdam
- Njoikiktjen C (2001) Welk middel is voor hyperactieve kinderen de beste keuze? Zijn er gecontroleerde onderzoeken? *Neurologen Vademecum* 7
- Njoikiktjen C (2002) Le développement de la latéralité et les asymétries droite–gauche. *Méd & Enf* 22:447–50
- Njoikiktjen C (2004/2020/2025) *Gedragsneurologie van het kind. Handboek voor neuropsychologie, neurologie en psychiatrie*. Amsterdam: Suyi Publicaties
- Njoikiktjen C (2005) Taalstoornissen en autisme. *Wet T Autisme* 4:48–56
- Njoikiktjen C (2005a) Differences in vulnerability between the hemispheres in early childhood and adulthood. *Human Physiol* 32:37–42
- Njoikiktjen C (2005b) Taalstoornissen en autisme. *Wet T Autisme* 4:48–56
- Njoikiktjen C (2006a) De relatie tussen taalstoornissen en gedragsstoornissen: psychologische en neuropsychiatrische inzichten. *Logoped & Foniat* 78:78–85
- Njoikiktjen C (2006a) Klinische vaststelling en etiologische diagnostiek van autisme bij jonge kinderen *T Kindergeneesk* 74:91–7
- Njoikiktjen C (2006b) Developmental Language Disorders and Behavioural Disorders. In: Riva D, Rapin I & Zardini G (eds.) *Language: normal and pathological development*. John Libbey Eurotext, pp 1–1
- Njoikiktjen C (2006c) Klinische vaststelling en etiologische diagnostiek van autisme bij jonge kinderen *T Kindergeneesk* 74:91–7
- Njoikiktjen C & Verschoor CA (2007) Tan’s metamorphosis concept of speech-language development. *Cogn Neurosci Forum* 2:42–55
- Njoikiktjen C (2007) Developmental dyspraxias and related motor disorders. *Neural substrates and assessment*. Amsterdam: Suyi Publ
- Njoikiktjen C & Bos H (1993) Dyslexie als cerebrale functiestoornis. In: *NTvG* 137: 2472–5
- Njoikiktjen C & Chiarenza G (2008): *Le disprassie dello sviluppo e i disturbi motori associati. Le basi neurali e l’esame clinico*. Amsterdam: Suyi Publ
- Njoikiktjen C, de Sonnevile L & Verschoor CA (2012) Understanding of its caretaker’s affective gestures by the young infant is the basis of a theory of body. *Neuropsychanalysis* 14:93–116
- Njoikiktjen C (2013) Early social relatedness: theory of body, attachment and the self in Korkmaz B *et al.* *Children’s social relatedness: an embodied brain function. A clinical view of typical development and disorders*. Amsterdam, Suyi Publ
- Njoikiktjen C (2022) Mond en handen: abstracte instrumenten van de geest. Taal en motoriek in de ontwikkeling. Amsterdam:Suyi Publicaties
- Njoikiktjen C, Amiel-Tison C, de Grauw A *et al.* (1991a) Interhemispheric dysfunction as a cause of learning disabilities. Proceedings Joint Convention 5th ICNA and 3rd AOCCN Tokyo, *Brain Dev* 12:596
- Njoikiktjen C, Beesems M, Karelse K *et al.* (2013) Hoe (para)medisch is de term S-TOS? Het belang van neuronale geladen terminologie. *Log & Fon.* januari-februari 2013
- Njoikiktjen C, de Rijke W & Jonkman EJ (2001) Children with non-verbal learning disabilities (NLD): Coherence values in the resting state may reflect hypofunctional long distance connections in the right hemisphere. *Hum Physiol* 27:17–22
- Njoikiktjen C & de Sonnevile L (1991c) Abnormal morphogenesis of the corpus callosum II: morphometry. In: G. Ramaekers and C. Njoikiktjen (eds.) *Pediatric Behavioural Neurology, Vol 3. The Child’s Corpus Callosum*. Amsterdam: Suyi Publ. pp 310–18.
- Njoikiktjen C & de Sonnevile L (1992) Differential diagnosis and treatment of attention deficit disorders. In: A Benton, H Levin, G Moretti *et al.* (eds.) *Developmental Neuropsychology*. FrancoAngeli, Milano, pp 128–58
- Njoikiktjen C, de Sonnevile L & Vaal J (1994) Callosal size in children with learning disabilities. *Beh Brain Res* 64:213–18
- Njoikiktjen C, de Sonnevile L & Verschoor CA (2012) Understanding of its caretaker’s affective gestures by the young infant is the basis of a theory of body. *Neuropsychanalysis* 14:93–116
- Njoikiktjen C, Driessen M & Habraken L (1985) *Developmental aspects of laterality in normal children. Unpublished Report*.
- Njoikiktjen C, Driessen M & Habraken L (1986) Development of supination–pronation movements in normal children. *Human Neurobiol* 5:199–203
- Njoikiktjen C & Gobin A (1981,1986, 1992) *Kinderen met leerstoornissen. Handleiding voor het neurologisch onderzoek*. Bunge, Utrecht, pp 282
- Njoikiktjen C, Kurgansky A, Vildavsky V *et al.* (1997) Unimanual and bimanual simultaneous

fingertapping in schoolchildren: developmental aspects and handpreference-related asymmetries. *Laterality* 2:117–35

Njiokiktjien C & Kurver P (1980) Predictive value of neonatal neurological examination for cerebral function in infancy. *DMCN* 22:736–47

Njiokiktjien C & Ramaekers G (1991b) Developmental interhemispheric disconnection in learning and motor disabilities. In: Ramaekers G and Njiokiktjien C (eds 1991) *Pediatric Behavioural neurology, vol 3, The child's corpus callosum*. Suyi Publ, Amsterdam, pp 198–218

Njiokiktjien C, Valk J & Ponssen H (1980) Subdural hygroma: Results of treatment by ventriculo-abdominal shunt. *Child's Brain* 7:285–302

Njiokiktjien C, Valk J & Ramaekers G (1988) Malformation or deformation of the Corpus callosum? A clinical and MRI study. *Brain Dev* 10:92–9

Njiokiktjien C, Valk J & Ponssen H (1980) Subdural hygroma: Results of treatment by ventriculo-abdominal shunt. *Child's Brain* 7:285–302

Njiokiktjien C, Valk J & Ramaekers G (1988) Malformation or deformation of the Corpus callosum? A clinical and MRI study. *Brain Dev* 10:92–9

Njiokiktjien C, van Grunsven W, Oosterbosch E *et al.* (2021) Involuntary Left-Right Antagonism: a Supposed Archaic Sign of Neural Immaturity? *Hum Physiol* 47:489–97

Njiokiktjien C & Verschoor CA (1998) Attention and the right hemisphere. *J Human Physiol* 24:145–51

Njiokiktjien C & Verschoor CA (1998) Attention and the right hemisphere. *J Human Physiol* 24:145–51 Suyi Publ. pdf op www.suyi.nl

Njiokiktjien C & Verschoor CA (2007) Tan's metamorphosis concept of speech-language development. *Cogn Neurosci Forum* 2:42–55 (pdf download via suyi.nl)

Njiokiktjien C & Verschoor CA (2007a) Tan's metamorphosis concept of speech-language development. *Cogn Neurosci Forum* 2:42–55

Njiokiktjien C & Verschoor CA (2015) De sociale relatie in de ontwikkeling en ontwikkelingsstoornissen: belichaamde processen. *Wet T Autisme (WTA)* 14:75–90

Njiokiktjien C & Verschoor CA (2012) The role of the hippocampus in neural mechanisms of attachment and attachment disorders: a review. In: D Riva, C Njiokiktjien & S Bulgheroni (eds) *Brain lesion localization and developmental functions*. John Libby Eurotext, Montrouge, France. pp. 157–73

Njiokiktjien C, Verschoor CA, de Sonnevile L *et al.* (2001) Disordered recognition of facial identity and emotions in three Asperger type autists. *Eur J Child Adol Psych* 10:79–90

Njiokiktjien C, Verschoor CA, Vranken M & Vroklage LM (2000) Development of ideomotor praxis representation. *DMCN* 42:253–7

Njiokiktjien C, Visser SL & de Rijke W (1977) EEG and visual evoked responses in children with learning disorders. *Neuropädiat* 8:134–47

Noack RA (2012) Solving the “human problem”: The frontal feedback model. *Consc Cogn* 21:1043–67

Nobakht HN, Steinsbekk S, Wichstrøm L (2024) Development of symptoms of oppositional defiant disorder from preschool to adolescence: the role of bullying victimization and emotion regulation. *JCPP*. 65:343–53

Noë A (2012) *We zijn toch geen brein?* Rotterdam: Lemniscaat

Noffsinger D (1985) Dichotic-listening techniques in the study of hemispheric asymmetries. In: F Benson and E Zaidel (eds) *The dual Brain. Hemispheric specialization in humans*. The Guilford Press, New York, pp 127–41

Nolan C (1987) *Under the eye of the clock*. Weidenfeld, London

Nomura Y, Newcorn JH, Ginalis C *et al.* Prenatal exposure to a natural disaster and early development of psychiatric disorders during the preschool years: stress in pregnancy study. *JCPP* 64:1080–91

Nonneman AJ, Corwin JV, Sahley ChrL *et al.* (1984) Functional development of the prefrontal system. In: S Finger and CR Almlt (eds) *Early brain damage, vol 2. Neurobiology and behavior*. Acad Press, Orlando, pp 139–53

Noordam C, Thoonen G & van den Burgt CJAM (2003) Het Noonan-syndroom vanuit kindergeneeskundig perspectief. *Ned T Gen* 147:644–48

Nopoulos P, Berg S, Castellanos FX *et al.* (2000) Developmental brain anomalies in children with attention-deficit hyperactivity disorder. *J Child Neurol* 15:102–8

Norbury CFN (2014). Social (pragmatic) communication disorder conceptualization, evidence and clinical implications. *JCPP* 55:204–16

Norbury CF & Sonuga-Barke E (2017) Editorial: New frontiers in the scientific study of developmental language disorders. *JCPP* 58:1065–67

Nordgaard J, Siersbæk Nilsson L, Sæby D *et al.* (2018) Self-disorders in schizophrenia-spectrum disorders: a 5-year follow-up study. *Eur Arch Psychiat Clin Neurosci*. 268:713–18

Normann C & Buttenschøn HN (2020) Gene-environment interactions between HPA-axis genes and childhood maltreatment in depression: a systematic review. *Acta Neuropsychiatr*. 6:1-11

Norrelgen F, Lacerda F & Forssberg H (1999) Speech discrimination and phonological working memory in children with ADHD. *DMCN* 41:335–9

North K, Hyman S & Barton B (2002) Cognitive deficits in neurofibromatosis 1. *J Child Neurol* 17:605–12

Northam GB, Morgan AT, Fitzsimmons S *et al.* (2019) Corticobulbar Tract Injury, Oromotor Impairment and Language Plasticity in Adolescents Born Preterm. *Front Hum Neurosci*. 13:45

Northoff G (2004) Am I my brain? Personal identity and brain identity. *Philosophia naturalis*, Band 41 Heft 2. Frankfurt am Main: V. Klostermann, pp. 257–82

Northoff G (2006) Is emotion regulation self-regulation? *Trends Cogn Sci* 9: 408

Northoff G (2008) Are our emotional feelings relational? A Neurophilosophical investigation of the James-LangeLong theory. *Phenom Cogn Sci* 7:501–27

Northoff G (2011) Self and brain: what is self-related processing? *Trends Cogn Sci* 15:186–7

Northoff G (2011) *Neuropsychanalysis in practice. Brain, Self, and Objects*. Oxford: Oxford University Press

Northoff G (2012) Psychoanalysis and the brain – Why did Freud abandon neuroscience? *Front Psychol* 3:71

Northoff G (2013) Brain and self – a neurophilosophical account. *Child Adolesc Psychiat Ment Health* 7:28–40

Northoff G (2014) Do cortical midline variability and low frequency fluctuations mediate William James' “Stream of Consciousness”? “Neurophenomenal Balance Hypothesis” of “Inner Time Consciousness. *Conscious Cogn* 30:184–200

Northoff G (2017) Personal Identity and Cortical Midline Structure (CMS): Do Temporal Features of CMS Neural Activity Transform Into “Self-Continuity”? *Psychol Inquiry*, 28:122–31

Northoff G (2023) *Neuropsychanalysis. A contemporary introduction*. Abington: Routledge

Northoff G & Bermpohl F (2004) Cortical midline structures and the self. *Trends in Cogn Sci* 8: 102–107

Northoff G, Heinzel A, de Greck M *et al.* (2006) Self-Referential Processing in Our Brain—A Meta-Analysis of Imaging Studies on the Self. *Neuroimage* 31:440–57

Northoff G & Panksepp J (2008) The trans-species concept of self and the subcortical-cortical midline system. *TICS* 12:259–65

Northoff G & Qin P (2011) How can the brain's resting state activity generate hallucinations? A ‘resting state hypothesis’ of auditory verbal hallucinations. *Schizophr Res* 127:202–14

Northoff G, Qin P & Feinberg TE (2011) Brain imaging of the self – Conceptual, anatomical and methodological issues. *Consc Cogn* 20:52–63

Northoff G, Schneider F, Rotte M *et al.* (2009) Differential Parametric Modulation of Self-Relatedness and Emotions in Different Brain Regions. *Human Brain Mapping* 30:369–82

Nosarti C, Al-Asady MHS, Frangou S *et al.* (2002) Adolescents who were born very pre-term have decreased brain volumes. *Brain* 125:1616–23

Nosarti Ch & Froudish-Walsh S (2016) Alterations in development of hippocampal and cortical memory mechanisms following very pre-term birth. *DMCN* 58: 35–45

Nosarti C, Giouroukou E, Healy E *et al.* (2008) Grey and white matter distribution in very pre-term adolescents mediates neurodevelopmental outcome. *Brain* 131:205–17

Nosarti C, Rushe TM, Woodruff P W *et al.* (2004) Corpus callosum size and very preterm birth: Relationship to neuropsychological outcome. *Brain* 127:2080–9

Noshpetz JD (ed 1979) *Basic handbook of child psychiatry*. Basic books, New York

Nota NM, Kreukels BPC, den Heijer M *et al.* (2017). Brain functional connectivity patterns in children and adolescents with gender dysphoria: Sex atypical or not? *Psychoneuroendocrinol*, 86:187–95

- Noten AM, Loomans EM, Vrijkotte TG *et al.* (2015) Maternal hypothyroxinaemia in early pregnancy and school performance in 5-year-old offspring. *Eur J Endocrinol* 173:563–71
- Noterdaeme M, Sitter S, Mildenberg K *et al.* (2000) Diagnostic assessment of communicative and interactive behaviours in children with autism and receptive language disorder. *Eur Child & Adolesc Psychiatr* 9:295–300
- Nottebohm F (1980) Testosterone triggers growth of brain vocal nuclei in adult female canaries. *Brain Res* 189:429–36
- Nottebohm F (1984) Learning, forgetting and brain repair. In: N Geschwind and AM Galaburda (eds) *Cerebral dominance*. Harvard University Press, Cambridge Mass, pp 93–113
- Nottebohm F & Nottebohm ME (1978) Relationship between song repertoire and age in the canary, *serinus canarius*. *Z Tierphysiol* 46:298–305
- Novick JD, Trueswell JC & Thompson-Schill SL (2005) Cognitive control and parsing: Reexamining the role of Broca's area in sentence comprehension. *Cogn, Affect & Behav. Neurosci* 5:263–81
- Nowicka A & Fersten E (2001) Sex-related differences in interhemispheric transmission time in the human brain. *NeuroReport* 12:4171–5
- Nowicka A & Tacikowski P (2009) Transcallosal transfer of information and functional asymmetry of the human brain. *Laterality* 16:35–74
- Nunez PL (2000) Toward a quantitative description of large-scale neocortical dynamic function and EEG. *Behav Brain Sci* 23:371–437
- Nunn JA, Polkey CE & Morris RG (1998) Selective spatial memory impairment after right unilateral temporal lobectomy. *Neuropsychol* 36:837–48
- Nusslock R, Alloy LB, Brody GH, *et al.* (2024) Annual Research Review: Neuroimmune network model of depression: a developmental perspective. *JCPP* 65:538–67
- Nuyens FM & Griffiths MD (2019) A dual-systems perspective on temporal cognition: Implications for the role of emotion. *Behav Brain Sci* 42:e267
- Nyhan WL & Sakati NO (1976) Genetic & malformation syndromes in clinical medicine. *Year Book Med. Publ.*
- Nyholmer M, Wronski ML, Hog L, *et al.* (2025) Neurodevelopmental and psychiatric conditions in 600 Swedish children with the avoidant/restrictive food intake disorder phenotype. *JCPP*. Mar 12
- Nweze T, Ezenwa M, Ajaelu C *et al.* (2023) Childhood mental health difficulties mediate the long-term association between early-life adversity at age 3 and poorer cognitive functioning at ages 11 and 14. *JCPP* 64:952–65
- Nweze T, Banaschewski T, Ajaelu C *et al.* (2023) Trajectories of cortical structures associated with stress across adolescence: a bivariate latent change score approach. *JCPP* 64:1159–75
- O** —
- Oades RD, Daniels R & Rascher W (1998) Plasma neuropeptide-Y levels, monoamine metabolism, electrolyte excretion and drinking behavior in children with attention-deficit hyperactivity disorder. *Psychiatr Res* 80:177–86
- Oakden EC & Sturt M (1929) The development of the knowledge of time in children. *Br J Psychol* 12:319–36
- Oberman LM & Ramchandran VS (2007) The Simulating Social Mind: The Role of the Mirror Neuron System and Simulation in the Social and Communicative Deficits of Autism Spectrum Disorders. *Psychol Bull* 133:310–27
- O'Brien EK, Zhang XY, Nishimura C *et al.* (2003) Association of specific language impairment (SLI) to the region of 7q31. *Am J Hum Genet* 72:1536–43
- O'Brien G (1994) Behavioural and developmental consequences of corpus callosum agenesis and Aicardi syndrome. In: Lassonde M & Jeeves MA (eds) *Callosal agenesis: A natural split brain?* Plenum Press, New York, pp 235–45
- O'Brien G (ed 2002) *Behavioural phenotypes in clinical practice*. Clinics in Developmental Medicine 157. Cambridge University Press
- Obrzut JE & Boliek CA (1986) Lateralization characteristics in learning disabled children. *J Learning Disab* 19:308–14
- O'Callaghan MJ, Burn YR, Mohay HA *et al.* (1993) Handedness in extremely low birth weight infants: Aetiology and relationship to intellectual abilities, motor performance and behaviour at four and six years. *Cortex* 29:629–37
- O'Callaghan MJ, Burn YR, Rogers Y *et al.* (1993) The prevalence and origins of left hand preference in high risk infants, and its implications for intellectual, motor and behavioural performance at four and six years. *Cortex* 29:617–27
- Ocklenburg S, Garland A, Ströckens F *et al.* (2015) Investigating the neural architecture of handedness – a closer look at schizophrenia and language lateralization. *Front Psychol* 6:148
- Ocklenburg S, Metzen D, Schlüter C *et al.* (2022) Polygenic scores for handedness and their association with asymmetries in brain structure. *Brain Struct Funct* 227:515–27
- O'Connor TG, Heron J, Golding J & Gover V (2003) Maternal antenatal anxiety and behavioural/emotional problems in children: a test of a programming hypothesis. *JCPP* 44:1025–36
- Odgers CL & Jensen MR (2020) Annual Research Review: Adolescent mental health in the digital age: facts, fears, and future directions. *JCPP* Doi/full/10.1111
- O'Donohue NV (1979) *Epilepsies of childhood*. J Apley (gen ed) Postgraduate paediatrics series. Butterworths, London
- O'Dougherty M, Wright FS, Loewenson RB *et al.* (1985) Cerebral dysfunction after chronic hypoxia in children. *Neurology* 35:42–6
- Oerlemans AM, van der Meer JM, van Steijn DJ *et al.* (2014) Recognition of facial emotion and affective prosody in children with ASD (+ADHD) and their unaffected siblings. *Eur Child Adolesc Psychiatr* 23:257–71
- Ogden JA (1984) Dyslexia in a right-handed patient with a posterior lesion of the right cerebral hemisphere. *Neuropsychol* 22:265–80
- Ogden JA (1988) Language and memory functions after long recovery periods in left-hemispherectomized subjects. *Neuropsychol* 26:645–59
- Ogden JA (1989) Visuospatial and other "right-hemispheric" functions after long recovery periods in left-hemispherectomized subjects. *Neuropsychol* 27:765–76
- Ojemann GA (1977) Asymmetric function of the thalamus in man. *Ann N Y Acad Sci* 299:380–96
- Okada K, Rong F, Venezia, J *et al.* (2010) Hierarchical organization of human auditory cortex: evidence from acoustic invariance in the response to intelligible speech. *Cer Cortex* 20:2486–95
- Okamoto-Barth S, Tanaka M, Kawai N & Tomonaga M (2007) Looking compensates for the distance between mother and infant chimpanzee. *Dev Sci* 10:172–82
- Oke A, Keller R, Mefford I *et al.* (1978) Lateralization of Norepinephrine in Human Thalamus. *Sci* 200:1411–13
- O'Keefe J & Nadel L (1978) *The hippocampus as a cognitive map*. Clarendon Press, Oxford
- Oki J, Takahashi S, Miyamoto A *et al.* (1999) Cerebral hypoperfusion and developmental dysphasia in a male. *Pediatr Neurol* 21:745–48
- Okuda M, Martins SS, Wall MM *et al.* (2019) Do parenting behaviors modify the way sensation seeking influences antisocial behaviors? *JCPP* 60:169–77
- O'Kusky J, Strauss E, Kosaka B *et al.* (1988) The corpus callosum is larger with right-hemisphere cerebral speech dominance. *Ann Neurol* 24:379–83
- Olausson H, Lamarre Y, Backlund *et al.* (2002) Unmyelinated tactile afferents signal touch and project to insular cortex. *Nat Neurosci* 5: 900–4
- Oldehinkel AJ & Ormel J (2023) Annual Research Review: Stability of psychopathology: lessons learned from longitudinal population surveys. *JCPP* 64:489–502
- Oldfield RC (1971) The assessment and analysis of handedness, the Edinburgh Inventory. *Neuropsychol* 9:97–111
- O'Leary DDM (1987) Remodelling of early axonal projections through the selective elimination of neurons and long axon collaterals. In: A Wiley (ed) *Selective neuronal death*. Ciba Foundation Symposium 126. John Wiley & Sons, Chichester, pp 113–42
- O'Leary DS (1980) A developmental study of interhemispheric transfer in children aged five to ten. *Child Dev* 51:743–50
- O'Leary DS, Block RI, Turner BM *et al.* (2003) Marijuana alters the human cerebellar clock. *Neuroreport* 14:1145–51
- Oliver A, Johnson MH, Karmiloff-Smith A & Pennington B (2000) Deviations in the emergence of representations: a neuroconstructivist framework for analysing developmental disorders. *Dev Sci* 3:1–40
- Oliveri M, Rossini PM, Pascualetti P *et al.* (1999) Interhemispheric asymmetries in the perception of unimanual and bimanual cutaneous stimuli – A study using transcranial magnetic stimulation. *Brain* 122:1721–29
- Oller DK, Eilers RE & Basinger D (2001) Intuitive identification of infant vocal sounds by parents. *Dev Sci* 4:49–60
- Oller-Daurella L (1970) Crises épileptiques psychiques de longue durée. *Rev Neuropsychiatr Inf* 18:547–57

- O'Loughlen J, McKenzie M, Lang C *et al.* (2024) Repetitive Behaviors in Autism and Obsessive-Compulsive Disorder: A Systematic Review. *J Autism Dev Disord*
- Olson IR, Plotzker A & Ezzyat Y (2007) The Enigmatic temporal pole: a review of findings on social and emotional processing. *Brain* 130:1718–31
- Olsson B & Rett A (1987) Autism and Rett syndrome: behavioural investigations and differential diagnosis. *DMCN* 29:429–41
- Olton DS (1983) Memory functions and the hippocampus. In: W Seifert (ed) *Neurobiology of the hippocampus*. Acad Press, New York
- Olton DS, Gamzu E & Corkin S (1985) Memory dysfunctions: An integration of animal and human research from preclinical and clinical perspectives. *Ann NY Ac Sci* vol 144
- Omenn GS (1973) Genetic issues in the syndrome of Minimal Brain Dysfunction. In: S Walzer & PH Wolff (eds) *Minimal Brain Dysfunction in children*. Grune & Stratton, New York, pp 5–17
- Omer S, Jijon AM & Leonard HC (2019) Research Review: Internalising symptoms in developmental coordination disorder: a systematic review and meta-analysis. *JCPP* 60:606–21
- Omont-Lescieux S, Menu I, Salvia E *et al.* (2023) Lateralization of the cerebral network of inhibition in children before and after cognitive training. *Dev Cogn Neurosci* :63:101293
- Oncioiu SI, Nation K, Lim KX *et al.* (2024) Concurrent and longitudinal associations of developmental language disorder with peer victimization in adolescence: evidence from a co-twin study. *JCPP* 65:1283–98
- Önder H (2017) Balint Syndrome due to Bilateral Parieto-occipital Ischemic Stroke. *Turk J Neurol* 23:252–53
- O'Nions E, Sebastian CL, McCrory E *et al.* (2014) Neural bases of Theory of Mind in children with autism spectrum disorders and children with conduct problems and callous- unemotional traits. *Devel Sci* 17: 786–96
- Onnis L (2017) Caregiver communication to the child as moderator and mediator of genes for language *Behav Brain Res* 325:197–202
- Onnis L, Truzzi A & Ma X (2018) Language development and disorders: Possible genes and environment interactions. *Res Devel Disab* 82:132–46
- Oosterlaan (1996) *Response inhibition in children with Attention Deficit Hyperactivity and related disorders*. Thesis, Amsterdam
- Op Heij CPMO, Renier WO & Gabreëls FJM (1985) Intellectual sequelae of primary non-obstructive hydrocephalus in infancy: Analysis of 50 cases. *Clin Neurol Neurosurg* 87:247–53
- Opfer JE & Gelman SA (2011) Development of the animate-innate distinction In: U Goswami (ed) *The Wiley-Blackwell Handbook of childhood cognitive development*. Wiley-Blackwell, Oxford, UK, pp. 213–238
- Opitz JM & Sutherland GR (1984) International workshop on the fragile x and x-linked mental retardation. *Am J Med Gen* 17:5–94
- Oppenheim RW (1981) Ontogenetic adaptations and retrogressive processes in the development of the nervous system and behaviour: A neuroembryological perspective. In: KJ Connolly & HFR Prechtl (eds) *Maturation and development: Biological and psychological perspectives*. Clin Dev Med. Nos 77–78 SIMP. London: W. Heinemann, pp 73–109
- Oppenheim JS, Lee BCP, Nass R *et al.* (1987) No sex-related differences in human corpus callosum based on magnetic resonance imagery. *Ann Neurol* 21:604–6
- Oppenheim D & Koren-Karie N (2002) Mothers' insightfulness regarding their children's internal worlds: The capacity underlying secure child-mother relationships. *Inf Ment Health J* 23:593–605
- Orehova EV, Stroganova TA, Posikera IN *et al.* (2006) EEG theta rhythm in infants and pre-school children. *Clin Neurophysiol* 117:1047–62
- Oren G, Shapira A, Lifshitz R *et al.* (2024) Vocal labeling of others by nonhuman primate. *Science* 385: 996–1003
- Orlebeke JF, Knol DL, Koopmans JR *et al.* (1996) Left-handedness in twins: Genes or environment? *Cortex* 32:479–90
- Ornitz EM (1970) Vestibular function in schizophrenia and childhood autism. *Compreh Psychiat* 11:159–73
- Ornitz EM (1983) The functional neuroanatomy of infantile autism. *Int J Neurosci* 19:85–124
- Ornitz EM (1985) Neurophysiology of infantile autism. *JAACAP* 24:251–62
- Ornoy A, Reece E A, Pavlinkova G *et al.* (2015), Effect of maternal diabetes on the embryo, fetus, and children: Congenital anomalies, genetic and epigenetic changes and developmental outcomes. *Birth Defects Res Part C: Embryo Today: Rev*, 105: 53–72
- Ornoy A, Segal J, Bar-Hamburger R *et al.* (2001) Developmental outcome of school-age children born to mothers with heroin dependency: Importance of environmental factors. *DMCN* 43:668–75
- Ornoy A, Weinstein-Fudim L & Ergaz Z (2015) Prenatal factors associated with autism spectrum disorder (ASD). *Reprod Toxicol* 56:155–69
- Ornstein R (1975) Temporal dimensions of consciousness. *New Scientist* 27:772–3
- Ors M (2002) Time to drop “specific” in “specific language impairment”. *Acta Paediatr* 91:1025–30
- Orsini DL & Satz P (1986) A syndrome of pathological left-handedness. Correlates of early left hemisphere injury. *Arch Neurol* 43:333–37
- Orton ST (1925) Word-blindness in school children. *Arch Neur Psych* 14:581–615
- Orton ST (1928) Specific reading disability–strephosymbolia. *JAMA* 90:1095–99
- Orton ST (1937) *Reading, writing and speech problems in children*. Norton, New York
- Oseretzyk NI (1928) Zur Methodik der Untersuchung der motorischen Komponenten. *Zeitschr f angewandte Psychol* 32:257–93
- Osserman J & Wallerstein H (2022) Transgender Children: From Controversy to Dialogue. *Psychoanal Study Child*. 75:159–72
- Ostertag C, Reynolds JE, Kar P *et al.* (2023) Arcuate fasciculus and pre-reading language development in children with prenatal alcohol exposure. *Front Neurosci*. Jun 2;17:1174165
- Ostrolenk A, Courchesne V, Motttron L (2023) A longitudinal study on language acquisition in monozygotic twins concordant for autism and hyperlexia. *Brain Cogn*. 173:106099
- Ott D, Siddarth P, Gurbani S *et al.* (2003) Behavioral disorders in pediatric epilepsy: Unmet psychiatric need. *Epilepsia* 44:591–7
- Otte E & van Mier HI (2006) Bimanual interference in children performing a dual motor task. *Hum Mov Sci* 25:678–93
- Ottinen V (2022) Vygotsky and Spinoza. *Studies in East European Thought* 74:359–38
- O'Tuama LA, Dickstein DP, Neeper R *et al.* (1999) Functional brain imaging in neuropsychiatric disorders of childhood. *J Child Neurol* 14:207–21
- Ounsted C (1969) Aggression and epilepsy rage in children with temporal lobe epilepsy. *J Psychosom Res* 13:237–42
- Ounsted C, Lindsay J & Norman R (1966) *Biological factors in temporal lobe epilepsy*. Clin Dev Med 22, Heinemann, London
- Out, D, Bakermans-Kranenburg MJ & Van IJzendoorn MH (2009) The role of disconnected and extremely insensitive parenting in the development of disorganized attachment: Validation of a new measure. *Attach Hum Dev* 11:419–43
- Ovando-Tellez M, Kenett YN, Benedek M *et al.* (2022) Brain connectivity-based prediction of real-life creativity is mediated by semantic memory structure. *Sci Adv*. 8:eabl4294
- Overmeyer S, Bullmore ET, Suckling J *et al.* (2001) Distributed grey and white matter deficits in hyperkinetic disorder: MRI evidence for anatomical abnormality in an attentional network. *Psychol Med* 31:1425–35
- Overmeyer S, Simmons A, Santosh J *et al.* (2000) Corpus callosum may be similar in children with ADHD and siblings of children with ADHD. *DMCN* 42:8–13
- Overweg J (1995) Lokale epilepsieën. Partielle epileptische aanvallen vanuit een frontaalkwab. *Epicare* 6:3–9
- Overweg-Plandsoen WCG & Smit LME (2000) Kinderneurologische oorzaken van microcephalie. *Ned T Neurol* 4:242–9
- Overy K (2000) Dyslexia, Temporal Processing and Music: The Potential of Music as an Early Learning Aid for Dyslexic Children. *Psychol of Music* 28:218–29
- Overy K, Nicolson RI, Fawcett AJ *et al.* (2003) Dyslexia and music: measuring musical timing Skills. *Dyslexia* 9:18–36
- Owen AM, Downes JJ, Sahakian BJ *et al.* (1990) Planning and spatial working memory following frontal lobe lesions in man. *Neuropsychol* 28:1021–34
- Owen D & Matthews SG (2003) Glucocorticoids and sex dependent development of brain glucocorticoid and mineralocorticoid receptors. *Endocrinol* 144:2775–84
- Owen D & Matthews SG (2007) Repeated maternal glucocorticoid treatment affects activity and hippocampal NMDA receptor expression in juvenile guinea pigs. *J Physiol* 578:249–57

- Owens JA, Maxim R, Nobile Ch *et al.* (2000) Parental and self-report of sleep in children with Attention-Deficit/Hyperactivity Disorder. *Arch Pediatr Adolesc Med* 154:549–55
- Oyeboode F (7th.ed. 2022) Sims' Symptoms in the Mind: Textbook of Descriptive Psychopathology. Amsterdam: Elsevier
- Oyler RF, Oyler AL & Matkin ND (1988) Unilateral hearing loss: demographics and educational impact. *Lang Speech Hear Serv Schools* 19:201–10
- Ozand PT, Thompson JN, Gascon GG *et al.* (1994) Sanfilippo type D presenting with acquired language disorder but without features of mucopolysaccharidosis. *J Child Neurol* 9:408–11
- Ozanne A (1995) The search for Developmental Verbal Dyspraxia. In: B Dodd (Ed) *Differential diagnosis & treatment of children with speech disorders*. London, Whurr Publ
- Özdamar Ö, Kraus N & Curry F (1982) Auditory brain stem and middle latency responses in a patient with cortical deafness. *EEG Clin Neurophysiol* 53:224–30
- Ozgen HM, Helleman GS, Stellato RK *et al.* (2010) Morphological features in children with autism spectrum disorders: A matched case-control study. *J of Aut Dev Disord* 41:23–31
- Ozonoff S (1999) Cognitive impairment in neurofibromatosis type 1. *Am J Med Genet* 89:45–52
- Ozonoff S, Pennington BF & Rogers SJ (1991) Asperger's syndrome: evidence of an empirical distinction from high-functioning autism. *JCPP* 32:1107–22
- Ozonoff S, Pennington BF & Rogers SJ (1991) Executive function deficits in high-functioning autistic individuals: relationship to theory of mind. *JCPP* 32:181–1105
- Ozonoff S, Young GS, Landa RJ *et al.* (2015) Diagnostic stability in young children at risk for autism spectrum disorder: a baby siblings research consortium study. *JCPP* 56:988–98
- Oztop E, Arbib MA & Bradley N (2006) The development of grasping and the mirror system in: MA Arbib (ed) *Action to language via the Mirror Neruron System*, Cambridge Un Press, Cambridge pp 397–423
- P —
- Pagliaccio D, Herbstman JB, Perera F *et al.* (2020) Prenatal exposure to polycyclic aromatic hydrocarbons modifies the effects of early life stress on attention and Thought Problems in late childhood. *JCPP* doi:10.1111/jcpp.13189
- Paillard J (1986) Development and acquisition of motor skills: A challenging prospect for neuroscience. In: HTA Whiting and MG Wade (eds) *Motor development in children: Aspects of coordination and control*. M Nijhoff, Den Haag, pp 416–41
- Paillard J (ed. 1991) *Brain and space*. Oxford Univ Press, Oxford, pp 496
- Paillard J (1991) Motor and representational framing of space. In: *Brain and space* (J Paillard, ed). Oxford UnivPress, Oxford pp. 163–82
- Pain R (2022) Stone tools, predictive processing and th evolution of language. *Mind Lang* 38:711–31
- Paine RS, Werry JS & Quay HC (1968) A study of minimal cerebral dysfunction. *DMCN* 10:505–20
- Palisano RJ (1986) Use of chronological and adjusted ages to compare motor development of healthy preterm and fullterm infants. *DMCN* 28:180–7
- Pallasmaa J, Mallgrave HF, Robinson S, Gallese V (2015) Philip Tidwell (ed.) *Architecture and empathy*. Espoo (Fi): Tapio Wirkkala-Rut Bryk Foundation
- Panayiotopoulos Ch (2000) Benign childhood epileptic syndromes with occipital spikes: New classification proposed by the international league against epilepsy. *J Child Neurol* 15:548–52
- Pandya DN, Karol EA & Heilbronn D (1971) The topographical distribution of interhemispheric projections in the corpus callosum of the rhesus monkey. *Brain Res* 32:31–43
- Pandya DN & Seltzer B (1986) The topography of commissural fibres. In: F Leporé, M Ptito & HH Jasper (eds) *Two hemispheres—one brain: Functions of the corpus callosum*. Alan R Liss Inc, New York, pp 47–73
- Panesar SS, Yeh FC, Jacquesson T *et al.* (2018) A quantitative tractography study into the connectivity, segmentation and laterality of the human inferior longitudinal fasciculus. *Front in Neuroanat* 12:1–13
- Panksepp J (1998a) *Affective neuroscience. The foundations of human and animal emotions*. Oxford: Oxford Univ Press,
- Panksepp J (1998b) The pre-conscious substrates of consciousness: Affective states and the evolutionary origins of the SELF. *J Consciousn Stud* 5:566–82
- Panksepp J (2005) Defining concepts for affective neuroscience: how the brain creates meaning by integrating emotions and cognitions. In: *Neuroscientific and psychoanalytic perspectives on emotion*, M Jaffa (ed). London: Internat Neuro-Psychoanal Centre. pp. 85–138
- Panksepp J (2005a) Affective consciousness: Core emotional feelings in animals and humans. *Consc Cogn* 14:30–80
- Panksepp J (2005b) On the embodied neural nature of the core emotional affects. *J Consc Studies* 5:158–84
- Panksepp (2007) Criteria for basic emotions: Is DISGUST a primary "emotion"? *Cogn & Emot* 21:1819–28
- Panksepp J & Northoff G (2008) The trans-species core self: The emergence of active cultural and neuro-ecological agents through self-related processing within subcortical-cortical midline networks. *Consciousn Cogn* 18:193–215
- Panksepp J (2010) The Evolutionary Sources of Jealousy. In SL Hart & M Legerstee (eds) *Handbook of jealousy: Theory, Research, and Multidisciplinary Approaches*. pp. 101–20 Blackwell Publ.
- Panksepp J & Biven L (2012) *The Archaeology of Mind: Neuroevolutionary Origins of Human Emotions*. WW Norton & Company
- Panksepp J & Northoff G (2009) The trans-species core self: The emergence of active cultural and neuro-ecological agents through self related processing within subcortical-cortical midline networks. *Consciousness & Cogn*. 18:193–215
- Panksepp J & Trowill JA (1971) Positive and negative contrast in licking with shifts in sucrose concentration as a function of food deprivation. *Learn Motiv*, 2:49–57
- Pantelis C, Velakoulis D, McGorry PD *et al.* (2003) Neuroanatomical abnormalities before and after onset of psychosis: a cross-sectional and longitudinal MRI comparison. *Lancet*. 361:281–8
- Panzer A & Viljoen M (2004) Dissociation: a developmental psychoneurobiological perspective. *S Afr Psychiat Rev* 7:11–14
- Papagno C, Della Sala S & Basso A (1993) Ideomotor apraxia without aphasia and aphasia without apraxia: The anatomical support for a double dissociation. *J Neurol Neurosurg Psychiatr* 56:286–9
- Papagno C, Comi A, Riva M *et al.* (2017) Mapping the brain network of the phonological loop. *Hum Brain Map* 38:3011–24
- Pape KE & Wigglesworth JS (1979) *Haemorrhage, ischaemia and the perinatal brain*. Clin Dev Med 69/70. SIMP London :Heinemann
- Papez JW (1937) A proposed mechanism of emotion. *Arch Neurol Psychiatr* 38:725–43
- Papousek H & Papousek M (1986) Structure and dynamics of human communication at the beginning of life. *Eur Arch Psychiatr Neurol Sci* 236:21–5
- Papousek H & Papousek M (1987) Intuitive parenting: a dialectic counterpart to the infant's integrative competence. In: JD Osofsky (ed) *Handbook of infant development*. Wiley, New York, pp 669–720
- Pappa I, St Pourcain B, Benke K *et al.* (2016) A genome-wide approach to children's aggressive behavior: The EAGLE consortium. *Am J Med Genet B Neuropsychiatr Genet* 171:562–572.
- Pappadopoulos E, MacIntyre JC, Crismon ML *et al.* (2003) Treatment recommendations for the use of antipsychotics for aggressive youth (T R A A Y) Part II. *JAACAP* 42:145–61
- Paquette N, Vannasing P, Tremblay J *et al.* (2015) Early electrophysiological markers of atypical language processing in prematurely born infants. *Neuropsychol*. 79:21–32
- Paquier Ph F & Van Dongen HR (1996) Review of research on the clinical presentation of acquired childhood aphasia. *Acta Neurol Scand* 93:428–36
- Paquier Ph F, van Dongen HR & Loonen Chr B (1992) The Landau-Kleffner syndrome or 'acquired aphasia with convulsive disorder'. Long-term follow-up of six children and a review of the recent literature. *Arch Neurol* 49:354–9
- Paradiso S, Brown WS, Porcerelli JH *et al.* (2020) Integration Between Cerebral Hemispheres Contributes to Defense Mechanisms. *Front Psychol*. 11:1534
- Pareés I, Saifee TA, Kassavetis P *et al.* (2012) Believing is perceiving: mismatch between self-report and actigraphy in psychogenic tremor. *Brain* 135:117-33
- Parfit D (1989) *Reasons and persons*. Oxford: Oxford Un Press
- Paris J (2017) *Psychotherapy In an Age of Neuroscience*. Oxford Univ Press

- Parisse Ch (1999) Cognition and language acquisition in normal and autistic children. *Neurolinguist* 12:247–69
- Park J, Choi HW, Yum MS *et al.* (2018) Relationship Between Aggravation of Seizures and Methylphenidate Treatment in Subjects with Attention-Deficit/Hyperactivity Disorder and Epilepsy. *J Child Adol Psychopharmacol* 28:537–46
- Park SA, Hahn JH, Kim JI *et al.* (2000) Memory deficits after bilateral anterior fornix infarction. *Neurol* 54:1379–82
- Parker AJ, Woodhead ZVJ, Thomp-son PA *et al.* (2020) Assessing the reliability of an online behavioural laterality battery: a pre-registered study. Doi 10.31234
- Parker J, Mitchell A, Kalpakidou A *et al.* (2008) Cerebellar growth and behavioral & neuropsychological outcome in preterm adolescents. *Brain* 131:1344–51
- Parkin AJ & Williamson P (1987) Cerebral lateralisation at different stages of facial processing. *Cortex* 23:99–110
- Parkinson GM (2002) High incidence of language disorder in children with focal epilepsies. *DMCN* 44:533–37
- Parlow SE (1990) Asymmetrical movement overflow in children depends on handedness and task characteristics. *J Clin Exp Neuropsychol* 12:270–80
- Parmeggiani A, Posar A, Scaduto MC *et al.* (2003) Epilepsy, intelligence, and psychiatric disorders in patients with cerebellar hypoplasia. *J Child Neurol* 18:1–4
- Parnas J, Gram L & Flachs H (1980) Psychopharmacological aspects of antiepileptic treatment. *Progress Neurobiol* 15:119–38
- Parr C, Routh DK, Byrd MT *et al.* (1974) A developmental study of the asymmetrical tonic neck reflex. *DMCN* 16:329–35
- Parrish ML, Roessman V & Levinsohn MW (1979) Agenesis of the corpus callosum: A study of the frequency of associated malformations. *Ann Neurol* 6:349–54
- Partz de M-P (1986) Re-education of a deep dyslexic patient: Rationale of the method and results. *Cogn Neuropsychol* 3:149–77
- Parush S, Sohmer H, Steinberg A *et al.* (1997) Somatosensory functioning in children with attention deficit hyperactivity disorder. *DMCN* 39:464–8
- Paruthi S, Brooks LJ, D'Ambrosio C *et al.* (2016). Recommended amount of sleep for pediatric populations: A consensus statement of the American academy of sleep medicine. *J Clin Sleep Med* 12:785–86
- Pasamanick B & Knobloch H (1961) Epidemiologic studies on the complications of pregnancy and the birth process. In: G Caplan (ed) *Prevention of mental disorders in childhood*. Basic Books, New York, chapter 4
- Pascal A, Govaert P, Oostra A *et al.* (2018) Neurodevelopmental outcome in very preterm and very-low-birthweight infants born over the past decade: a meta-analytic review. *Dev Med Child Neurol* 60:342–55
- Pascalis O, de Haan M & Nelson CA (2002) Is face processing species-specific during the first year of life? *Sci* 296:1321–23
- Pascoe L, Scratch SE, Burnett AC *et al.* (2015) Neurodevelopmental outcomes and neural mechanisms associated with non-right handedness in children born very preterm. *J Int Neuropsychol Soc* 21:610–21
- Pascual-Castroviejo I, Pascual-Pascual SI, Peña W *et al.* (1999) Status epilepticus-induced brain damage and opercular syndrome in childhood. *DMCN* 41:420–32355
- Pascual-Castroviejo I, Pascual-Pascual SI, Peña W *et al.* (1999) Status epi-lepticus-induced brain damage and opercular syndrome in childhood. *DMCN* 41:420–32355
- Pascual-Castroviejo I, Pascual-Pascual SI, Vi-ano J *et al.* (2001) Unilateral polymicrogyria: A common cause of hemiplegia of prenatal origin. *Brain Dev* 23:216–22
- Pascual-Castroviejo I, Roche C, Martinez-Bermejo A *et al.* (1998) Hypomelanosis of Ito. A study of 76 infantile cases. *Brain Dev* 20:36–43
- Pascual-Leone A, Amedi A, Fregni F *et al.* (2005) The plastic human brain cortex. *Ann Rev Neurosci* 28: 377–401
- Pasman J, Rotteveel JJ & Maassen B (1998) Neurodevelopmental profile in low-risk pre-term infants at 5 years of age. *Eur J Paed Neurol* 1:7–17
- Pasqualotto A & Venuti P (2020) A Multifactorial Model of Dyslexia: Evidence from Executive Functions and Phonological-based Treatments. *Learn Disab Res & Pract*. 10.1111/ldrp.12228, 0, 0
- Pastor MA, Arieda J, Jahanshahi M *et al.* (1992) Time estimation and reproduction is abnormal in Parkinson's disease. *Brain* 115:211–25
- Patankar VC, Sangle JP, Shah H *et al.* (2012) Neurological soft signs in children with attention deficit hyperactivity disorder. *Ind J Psychiat* 54:159–65
- Patel AD (2011) Why would musical training benefit the neural encoding of speech? The OPERA hypothesis. *Front Psychol*. 2: 1–14
- Patten BM (1973) Visually mediated thinking: A report of the case of Albert Einstein. *J Learn Disab* 6:15–20
- Patterson ML & Werker JF (2003) Two-month-old infants match phonetic information in lips and voice. *Dev Sci* 6:191–6
- Patwardhan AJ, Eliez 100S, Bender B *et al.* (2000) Brain morphology in Klinefelter syndrome – Extra x chromosome and testosterone supplementation. *Neurol* 54:2218–23
- Paul LK (2011) Developmental malformation of the corpus callosum: a review of typical callosal development and examples of developmental disorders with callosal involvement. *J Neurodevel Disord* 3:3–27
- Paul LK, Brown WS, Adolphs R *et al.* (2007) Agenesis of the corpus callosum: genetic, developmental and functional aspects of connectivity. *Nat Rev NeuroSci* 8:287–299
- Paul LK, Corsello Ch, Kennedy DP *et al.* (2014) Agenesis of the corpus callosum and autism: a comprehensive comparison. *Brain* 137:1813–29
- Paul LK, Erickson RL, Hartman JA *et al.* (2016) Learning and Memory in Individuals with Agenesis of the Corpus Callosum. *Neuropsychol* 60:121–30
- Paul LK, Lautzenhiser A, Brown WS *et al.* (2006) Emotional arousal in agenesis of the corpus callosum. *Int J Psychophysiol*. 61:47–56
- Paul LK, Pazenza SR, Brown WS (2021) Alexithymia and somatization in agenesis of the corpus callosum. *Soc Cogn Affect Neurosci*. 16:1071–8
- Paul LK, Turner J, Sung S *et al.* (2024) Social and Communication Development in Infants with Isolated Agenesis of the Corpus Callosum. *J Pediatr Clin Pract*. 14:200118
- Paul LK, Van Lancker-Sidtis D, Schieffer B *et al.* (2003) Communicative deficits in agenesis of the corpus callosum: Nonlateral language and affective prosody. *Brain Lang* 85:313–24
- Paul R & Cohen DJ (1984) Outcome of severe disorders of language acquisition. *J Autism Dev Disord* 14:405–22
- Pauls DL, Alsobrook JP, Goodman W *et al.* (1995) A family study of obsessive-compulsive disorder. *Am J Psychiat* 152:76–84
- Paus T, Collins DL, Evans AC *et al.* (2001) Maturation of white matter in the human brain: A review of magnetic resonance studies. *Brain Res Bulletin* 54:255–66
- Paus T, Zatorre RJ, Hofle N *et al.* (1997). Time changes in neural systems underlying attention and arousal during the performance of an auditory vigilance task. *J Cogn Neurosci* 9:392–408
- Paus T, Zijdenbos A, Worsley K *et al.* (1999) Structural maturation of neural pathways in children and adolescents: In vivo study. *Sci* 283:1908–11
- Pavel AM, Rennie JM, de Vries LS *et al.* (2024) Temporal evolution of electrographic seizures in newborn infants with hypoxic-ischaemic encephalopathy requiring therapeutic hypothermia: a secondary analysis of the ANSeR studies. *The Lancet/ Child-adolescent*. Online Jan 18
- Pavesi G, Causin F, Feletti A (2014) Cavernous Angioma of the Corpus Callosum Presenting with Acute Psychosis. *Behav Neurol*. 2014; 2014: 243286
- Pavlidis GTh & Fisher DF (eds, 1986) *Dyslexia. Its neuropsychology and treatment*. Wiley, Chichester
- Pavlov IP (1927) *Conditioned reflexes*. Oxford Univ Press, Oxford
- Pavlova M, Staudt M, Sokolov A *et al.* (2003) Perception and production of biological movement in patients with early periventricular brain lesions. *Brain* 126:692–701
- Pavone P, Parano E, Battaglia C *et al.* (2020) Severe psychotic symptoms in youth with PANS/PANDAS: Case-series. *J Child Adolesc Psychopharmacol* doi: 10.1089/cap.2020.0050
- Pavone P, Ruggieri M, Marino SD *et al.* (2020) Chromosome 15q BP3 to BP5 deletion is a likely locus for speech delay and language impairment report on a four-member family and an unrelated boy. *Mol Gen & Gen Med* 28:e1109
- Pavonen EJ, Almqvist F, Tamminen T *et al.* (2002) Poor sleep and psychiatric symptoms at school: an epidemiological study. *Eur Child Adolesc Psychiat* 11:10–17

- Payne C, Machado CJ, Bliwise NG *et al.* (2009) Maturation of the hippocampal formation and amygdala in Macaca mulatta: A volumetric magnetic resonance study. *Hippocampus* 19:183–92
- Payne JM, Walsh KS, Pride NA *et al.* (2020) Social skills and autism spectrum disorder symptoms in children with neurofibromatosis type 1: evidence for clinical trial outcomes. *DMCN* doi: 10.1111/dmcn.14517
- Payne MC Jr & Holzman TG (1983) Auditory short-term memory and digit span: Normal versus poor readers. *J Educat Psychol* 75:424–30
- Pêcheux M-G (1990) *Le développement des rapports des enfants à l'espace*. Paris:Éd. Nathan pp 330
- Peel AJ, Oginni O, Assary E *et al.* (2023) A multivariate genetic analysis of anxiety sensitivity, environmental sensitivity and reported life events in adolescents. *JCPP* 64:289–98
- Peelen MV & Downing PE (2005) Selectivity for the Human Body in the Fusiform Gyrus. *AJP - JN Physiol* 93:603–8
- Peelen MV & Downing PE (2007) The neural basis of visual body perception. *Nat Rev Neurosci* 8:636–48
- Peigneux P, van der Linden M, Andres-Benito P *et al.* (2000) Neuropsychological and functional brain imaging study of visuo-imitative apraxia. *Rev Neurol* 156:459–72
- Peiper A (1949) *Die eigenarts der kindlichen Hirntätigkeit*. Thieme, Leipzig
- Peijnenborgh JCAW, Hurks PM *et al.* (2015) Efficacy of working memory training in children and adolescents with learning disabilities: A review study and meta-analysis. *Neuropsychol Rehab* 26:645–72
- Pegna AJ & Landis T (2002) Fonctions visuo-spatiales et spécialisation hémisphérique droite. *Rev Neuropsychol* 12:213–40
- Pell MD & Baum SR (1997) Unilateral brain damage, prosodic comprehension deficits, and the acoustic cues to prosody. *Brain Lang* 57:195–214
- Peijnenborgh JC, Hurks PM & Aldenkamp AP (2016) Efficacy of working memory training in children and adolescents with learning disabilities: A review study and meta-analysis. *Neuropsychol Rehab* 26:645–72
- Pellegrino R, Kavakli IH, Goel N *et al.* (2014) A Novel *BHLHE41* Variant is Associated with Short Sleep and Resistance to Sleep Deprivation in Humans. *Sleep* 37:1327–36
- Pelli DG, Farell B & Moore DC (2003) The remarkable inefficiency of word recognition. *Nature* 423:752–6
- Pelsser LM, Frankena K, Toorman J *et al.* (2011) Effects of a restricted elimination diet on the behaviour of children with attention-deficit hyperactivity disorder (INCA study): a randomised controlled trial. *Lancet* 377:494–503
- Peña M, Maki A, Kovacic D *et al.* (2003) Sounds and silence: An optical topography study of language recognition at birth. *PNAS* 100:11702–5
- Penhune VB, Zatorre RJ & Evans AC (1998) Cerebellar contributions to motor timing: A PET study of auditory and visual rhythm reproduction. *J Cog Neurosci* 10: 752–65
- Penhune VB, Zatorre RJ & Feindel WH (1999) The role of auditory cortex in retention of rhythmic patterns as studied in patients with temporal lobe removals including Heschl's gyrus. *Neuropsychol* 37:315–31
- Pennello M-J, Lambert J, Eustache F *et al.* (1995) A PET study of the functional neuroanatomy of writing impairment in Alzheimer's disease. The role of the left supramarginal and left angular gyri. *Brain* 118:697–705
- Pennings EJM, Konijn KZ & De Wolff FA (1998) Klinische en toxicologische aspecten van ecstasygebruik. *NTvG* 142:1942–46
- Pennington BF (1991) *Diagnosing learning disorders*. The Guilford Press, New York, pp 224
- Pennington BF (1995) Genetics of learning disabilities. *J Child Neurol* 10:69–77
- Pennington BF (1999) Toward an integrated understanding of dyslexia: Genetic, neurological, and cognitive mechanisms [Review]. *Dev Psychopathol* 11:629–54
- Pennington BF & Ozonoff S (1996) Executive functions and developmental psychopathology. *JCPP* 37:51–87
- Pentland LM, Anderson VA & Wrennall JA (2000) The implications of childhood bacterial meningitis for language development. *Child Neuropsychol* 6:87–100
- Peper M & Irlé E (1997) Categorical and dimensional decoding of emotional intonations in patients with focal brain lesions. *Brain Lang* 58:233–64
- Péran P, Démonet JF, Cherubini A *et al.* (2010) Mental representations of action: the neural correlates of the verbal and motor components. *Brain Res* 1328:89–103
- Perecman (ed) *Cognitive processing in the right hemisphere*. Acad Press, New York, pp 83–105
- Perelberg RJ (2007) *Time and Memory*. Karnac Books, London
- Peretz I, Kolinsky R, Tramo M *et al.* (1994) Functional dissociations following bilateral lesions of auditory cortex. *Brain* 117:1283–301
- Perrett DI, Mistlin AJ & Chitty AJ (1987) Visual neurones responsive to faces. *TINS* 10:358–64
- Perry RJ, Rosen HR, Kramer JH *et al.* (2001) Hemispheric dominance for emotions, empathy and social behaviour: Evidence from right and left handers with frontotemporal dementia. *Neurocase* 7:145–60
- Persson Benbow C (1987) Possible biological correlates of precocious mathematical reasoning ability. *TINS* 10:17–20
- Pervanidou P & Chrousos G (2016) Stress and pediatric obesity: Neurobiology and behavior. *Famil Relat* 65:85–93
- Peskin N, Behrmann M, Gabay S *et al.* (2024) Atypical reliance on monocular visual pathway for face and word recognition in developmental dyslexia. *Brain Cogn*. 174:106106
- Peter-Derex L, Klimes P, Latreille V *et al.* (2020). Sleep disruption in epilepsy: Ictal and interictal epileptic activity matter. *Ann Neurol* doi:10.1002/ana.25884
- Peters JE, Romine JS & Dykman RA (1975) A special neurological examination of children with learning disabilities. *DMCN* 17:63–78
- Peters LH, Maathuis CG & Hadders-Algra M (2013) Neural correlates of developmental coordination disorder. *DMCN* 55:59–64
- Peters M (1986) Incidence of left-handed writers and the inverted writing position in a sample of 2194 German elementary school children. *Neuropsychol* 24:429–33
- Peters M & Pang J (1992) Do "right-armed" left-handers have different lateralization of motor control for the proximal and distal musculature? *Cortex* 28:391–9
- Peters SAF, Grievink EH, Bon WHJ van *et al.* (1997) The contribution of risk factors to the effect of early otitis media with effusion on later language, reading, and spelling. *DMCN* 39:31–9
- Peterson BS, Anderson AW, Ehrenkranz R *et al.* (2003) Regional brain volumes and their later neurodevelopmental correlates in term and preterm infants. *Pediatrics* 111:939–48
- Peterson CC, Riggs J & Guyon-Harris K (2018) Effects of Intimate Partner Violence and Home Environment on Child Language Development in the First 3 Years of Life. *J Dev Behav Pediatr* 40:112–21
- Petersen E (1917) 'Rhythmus'. *Abhandl der K Gesellschaft Wissensch Göttingen*, Phil-Hist Klasse, N.F. 16:1–104
- Peterson CC & Siegal M (1995) Deafness, conversation and theory of mind. *JCPP* 36:459–74
- Peterson RL & Pennington BF (2012) Developmental dyslexia. *Lancet* 379:1997–2007
- Petitto (2001) Language rhythms in baby hand movements. *Nature* 413:35–6
- Petti VL, Voelker SL, Shore DL *et al.* (2003) Perception of non-verbal emotion cues by children with non-verbal learning disabilities. *J Dev Phys Disab* 15:23–36
- Pettigrew AG, Edwards DA & Henderson-Smart DJ (1985) The influence of intra-uterine growth retardation on brainstem development of preterm infants. *DMCN* 27:467–72
- Pezzini G, Vicari S, Volterra V *et al.* (1999) Children with Williams Syndrome: Is there a single neuropsychological profile? *Dev Neuropsychol* 15:141–55
- Pfefferbaum A, Mathalon D, Sullivan E *et al.* (1994) A quantitative magnetic resonance imaging study of changes in brain morphology from infancy to late adulthood. *Arch Neurol* 51:874–87
- Pfeiffer C, Serino A & Blanke O (2014) The Vestibular System: A Spatial Reference for Bodily Self-Consciousness. *Front Integr Neurosci* 17:31
- Hashimoto T, Taoka M, Obayashi S *et al.* (2013) Modulation of cortical vestibular processing by somatosensory inputs in the posterior insula. *Brain Inj*, 27:1685–91
- Phan KL *et al.* (2004) Neural correlates of individual ratings of emotional salience: A trial-related fMRI study. *Neuroimage* 21:768–80
- Phélip M (2014) Le paradigme d'écoute dichotique : état des recherches et données développementales. *Rev Neuropsychol* 6:59–68
- Phélip M, Donnot J & Vauclair J (2015) Auditory orienting of attention: Effects of cues and verbal workload with children and adults. *Child Neuropsychol*. 22:692–706

- Philippart M (1992) Handwringing in Rett syndrome: A normal developmental stage. *Pediatr Neurol* 8:197–9
- Philippart M (2001) Rett and Angelman's syndromes: Models of arrested development. *Pediatr Neurol* 268–94
- Phillips KA & Kaye WH (2007) The Relationship of Body Dysmorphic Disorder and Eating Disorders to Obsessive-Compulsive Disorder. *CNS Spectrums*, 12: 347–58
- Phillips ML, Bullmore ET, Howard R *et al.* (1998). Investigation of facial recognition memory and happy and sad facial expression perception: an fMRI study. *Psychiat Res: Neuroimag Sect* 83: 127–138
- Phillips ML, Young AW, Scott SK *et al.* (1998) Neural responses to facial and vocal expressions of fear and disgust. *Proc Royal Soc London – Series B: Biol Sci* 265:1809–17
- Phillips ML, Young AW, Senior C *et al.* (1997). A specific neural substrate for perceiving facial expressions of disgust. *Nature* 389:495–98
- Phillips KA (1996) *The broken mirror. Understanding and treating body dysmorphic disorder*. New York: Oxford Un Press
- Phillips PH, Brodsky MC & Henry PM (2000) Congenital ocular motor apraxia with autosomal dominant inheritance. *Am J Ophthalmol* 129:820–2
- Piaget J (1952) *The origin of intelligence in children*. New York: Norton
- Piaget J (1954) *The construction of the reality in the child* (M. Cook Transl). Basic Books, New York
- Piaget J (1960) Les praxies chez l'enfant. *Rev Neurol* 102:551–65
- Piaget J (1976) *La formation du symbole chez l'enfant*. Delachaux et Niestlé, Neuchatel
- Piaget J (1981) *Le développement de la notion de temps chez l'enfant*. PUF, Paris
- Piaget J & Inhelder B (1966) *La psychologie de l'enfant*. PUF, Paris (Nederlandse vertaling, 1972 Lemniscaat, Rotterdam)
- Piaget J & Inhelder B (1969) *The Psychology of the Child*. Routledge Kegan Paul London
- Piaget J & Szeminska A (1980) *La g n se du nombre chez l'enfant*. Delachaux et Niestl , Neuchatel
- Piazza DM (1977) Cerebral lateralization in young children as measured by dichotic listening and finger tapping tasks. *Neuropsychol* 15:417–25
- Pickens J, Field T, Nawrocki T *et al.* (1994) Full-term and preterm infants' perception of face-voice synchrony. *Infant Behav Dev* 17:447–55
- Pickles A, Wright N, Bedford R *et al.* (2022) Pathways in ASD Study Team. Predictors of language regression and its association with subsequent communication development in children with autism. *JCPP* 63:1243–51
- Piek JP, Dawson L, Smith LM, *et al.* (2008) The role of early fine and gross motor development on later motor and cognitive ability. *Hum Mov Sci* 27:668–81
- Piek JP, Pitcher TM & Hay DA (1999) Motor coordination and kinaesthesia in boys with attention deficit-hyperactivity disorder. *DMCN* 41:159–65
- Piek JP, Dawson L, Smith LM, *et al.* (2008) The role of early fine and gross motor development on later motor and cognitive ability. *Hum Mov Sci* 27:668–81
- Pierce K, M ller R-A, Ambrose J *et al.* (2001) Face processing occurs outside the fusiform 'face area' in autism: Evidence from functional MRI. *Brain* 124:2059–73
- Pierrot-Deseilligny C, M ri RM, Rivaud-Pechoux S *et al.* (2002) Cortical control of spatial memory in humans: The visuoculomotor model. *Ann Neurol* 52:10–19
- Pieters S, De Block K, Scheiris J *et al.* (2012) How common are motor problems in children with a developmental disorder: rule or exception? *Child Care Health Dev* 38:139–45
- Pigdon L, Willmott C, Reilly S *et al.* (2019) Grey matter volume in developmental speech and language disorder. *Brain Struct & Funct* 224:3387–98
- Piggott LR & Anderson Th (1983) Brainstem auditory evoked response in children with central language disturbance. *JAACAP* 22:535–40
- Pigliucci M & Finkelman L (2014) The Extended (Evolutionary) Synthesis Debate: Where Science Meets Philosophy. *BioScience* 64: 511–6
- Pinchevsky EF, Accogli A, Shevell MI *et al.* (2019) Developmental outcomes in children with congenitalcerebellar malformations. *Dev Med Child Neurol* 61:350–58
- Pinkerton F, Watson DR & McClelland RJ 1989 A neuropsychological study of children with reading, writing and spelling difficulties. *Dev Med and Child Neurol* 31:569–81
- Pinsard N & Cotte MF (coord, 1984) M David M et D Floret (eds) *Neurologie neuropsychiatrie*. Simep, Villeurbanne, France
- Pinter JD, Eliez S, Schmitt JE, *et al.* (2001) Neuroanatomy of Down's syndrome: A high-resolution MRI study. *Am J Psychiat* 158:1659–65
- Pipe M-E (1987) Pathological left-handedness: Is it familial? *Neuropsychol* 25:571–7
- Pirozzolo FJ (1979) *The neuropsychology of developmental reading disorders*. Praeger, New York
- Pisch M, Wiesemann F & Karmiloff-Smith A (2019) Infant wake after sleep onset serves as a marker for different trajectories in cognitive development. *JCPP* 60:189–98
- Piven J (1997) The biological basis of autism. *Curr Opin Neurobiol* 7:708–12, 1997
- Piven J (2001) The broad autism phenotype: A complementary strategy for molecular genetic studies of autism. *Am J Med Gen* 105:34–5
- Piven J, Arndt S, Bailey J *et al.* (1996) Regional brain enlargement in autism: A magnetic resonance imaging study. *JAACAP* 35:530–6
- Pizzamiglio L, Committeri G, Galati G *et al.* (2000) Psychophysical properties of line bisection and body midline perception in unilateral neglect. *Cortex* 36:469–84
- Plante E, Boliek C, Binkiewicz A *et al.* (1996) Elevated androgen, brain development and language/learning disabilities in children with congenital adrenal hyperplasia. *DMCN* 38:423–37
- Plante E, Holland SK & Schmithorst VJ (2006) Prosodic processing by children: an fMRI study. *Brain Lang* 97:332–42
- Planton S, Jucla M & Roux F-E (2013) The "handwriting brain": a meta-analysis of neuroimaging studies of motor versus orthographic processes. *Cortex* 49:2772–87
- Planton S, Longcamp M, P ran P *et al.* (2017) How specialized are writing-specific brain regions? An fMRI study of writing, drawing and oral spelling. *Cortex* 88:66–80
- Planton S, Wang S, Bolger D *et al.* (2022) Effective connectivity of the left-ventral occipito-temporal cortex during visual word processing: Direct causal evidence from TMS-EEG co-registration. *Cortex* 154:167–83
- Platz Th, Hinterhuber H & Biebl W (1984) Zur Psychopathologie organischer Psychosen unter Ber cksichtigung differentialdiagnostischer, epidemiologischer und morphologischer Aspekte. *Psychiat Prax* 11:42–48
- Plaza M (1997) Phonological impairment in dyslexic children with and without early speech- language disorder. *Eur J Disord Commun* 32:277–90
- Pliszka SR (1992) Comorbidity of attention-deficit hyperactivity disorder and overanxious disorder. *JAACAP* 31:197–203
- Plomin R (1999) Genetics and general cognitive ability. *Nature* 402:25–29
- Plomin R, DeFries JC, McClearn GE *et al.* (2001) *Behavioral genetics*. 4th Ed Worth Publishers, New York
- Plomin R & Bergeman CS (1991) The nature of nurture: Genetic influences on "environmental" issues. *BBS* 14: 373–86
- Plomin R & Viding E (2022) Commentary: Will genomics revolutionise research on gene-environment interplay? *JCPP* 63:1214–18
- Plotsky PM & Meaney MJ (1993) Early postnatal experience alters hypothalamic corticotropin-releasing factor (CRF) mRNA, median eminence CRF content and stress-induced release in adult rats. *Mol Brain Res* 18:195–200
- Plourde V, Yeates KO & Brooks BL (2018) Predictors of Long-Term Psychosocial Functioning and Health-Related Quality of Life in Children and Adolescents With Prior Concussions. *JINS* 24:540–8
- Pluess M & Belsky J (2010) Children's differential susceptibility to effects of parenting. *Fam Sci* 1:14–25
- Pocock SJ, Smith M & Baghurst P (1994) Environmental lead and children's intelligence: a systematic review of the epidemiological evidence. *BMJ* 309:1189–97
- Poeck K (1985) Temporal lobe syndromes. In: Vinken PJ & Bruyn GW (eds) *Handbook of clinical neurology*, vol 45. *Clinical neuropsychology*. Frederiks JAM (ed) Elseviers Sci Publ, Amsterdam, pp 43–48
- Poeck K & Lehmkuhl G (1980) Das Syndrom der ideatorischen Apraxie und seine Lokalisation. *Nervenarzt* 51:217–25
- Poeck K & Orgass B (1964) Ueber die Entwicklung des K rperschemas. Untersuchung an gesunden blinden und amputierten Kindern. *Fortschr Neurol Psychiat* 32:538–55

- Poeck K & Orgass B (1969) An experimental investigation of finger agnosia. *Neurol* 19:801–7
- Poeck K & Orgass B (1971) The concept of the body schema. A critical review and some experimental results. *Cortex* 7:254–77
- Poelman G, Pauls DL, Buitelaar JK *et al.* (2011) Integrated Genome-Wide Association Study Findings: Identification of a Neurodevelopmental Network for Attention Deficit Hyperactivity Disorder. *Am J Psychiat* 168:365–77
- Poelmans H, Luts H, Vandermosten M *et al.* (2012). Auditory steady state cortical responses indicate deviant phonemic-rate processing in adults with dyslexia. *Ear Hearing* 33:134–43
- Pohl H, Grubmüller G & Grubmüller H (1984) Developmental changes in dichotic right ear advantage (rea). *Neuropediat* 15:139–44
- Poizner H, Clark MA, Merians AS *et al.* (1995) Joint coordination deficits in limb apraxia. *Brain* 118:227–42
- Polani PE (1977) Abnormal sex chromosomes, behaviour and mental disorder. In: JM Tanner (ed) *Developments in Psychiatric Research*. Hodder and Stoughton, London pp 89–128
- Polich J (1998) P300 clinical utility and control of variability. *J Clin Neurophysiol* 15:14–33
- Pollitt JJ (1972) *Art and experience in classical Greece*. Cambridge: Univ. Press
- Pomiechowska B, Bródy G, Téglás E *et al.* (2024) Early-emerging combinatorial thought: Human infants flexibly combine kind and quantity concepts. *Proc Natl Acad Sci U S A*. 121:e2315149121
- Pond DA (1961) Psychiatric aspects of epileptic and brain-damaged children. *Br Med J* 5265:1454–59
- Ponsford JL, Ziino C, Parcell DL *et al.* (2012) Fatigue and Sleep Disturbance Following Traumatic Brain Injury—Their Nature, Causes, and Potential Treatments. *J Head Trauma Rehab* 27: 224–33
- Pontius A (1973) Dysfunction patterns analogous to frontal lobe system and caudate nucleus syndromes in some groups of Minimal Brain Dysfunction. *J Am Med Women's Ass* 26:285–92
- Poole JL, Gallagher J, Janosky J *et al.* (1997) The mechanisms for adult-onset apraxia and developmental dyspraxia: An examination and comparison of error patterns. *Am J Occup Ther* 51:339–46
- Poortinga K, Nijokiktjen C & Visser SL (1982) Correlations between visual evoked potential parameters of 5-year old children and their neonatal neurological condition. In: Courjon J, Mauguière F & Revol M (eds) *Clinical applications of evoked potentials in neurology*. Raven Press, New York, pp 81–88
- Pop-Jordanova N & Demerdzieva A (2022) How Alcohol Damages Brain Development in Children. *Pril (Makedon Akad Nauk Umet Odd Med Nauki)* 43:29–42
- Popper KR & Eccles JC (1977) *The self and its brain*. Springer, Berlin
- Porsch RM, Middeldorp CM, Cherny SS *et al.* (2016) Longitudinal heritability of childhood aggression. *Am J Med Genet B Neuropsychiatr Genet* 171:697–707
- Porot D (1978) *Les troubles du langage. Que sais-je?* PUF, Paris
- Porter RJ (1974) *The dichotic lag effect: implications for the central processing of speech*. *Speech communication Seminar* 3. Almqvist and Wiksell, Stockholm, p 21
- Posner MI & Presti DE (1987) Selective attention and cognitive control. *TINS* 10:13–17
- Posner MI & Raichle ME (1996) *Images of mind*. New York: Sci Am Library
- Posth C, Yu H, Ghalichi A *et al.* (2023) Palaeogenomics of Upper Palaeolithic to Neolithic European hunter-gatherers. *Nature* 615:117–26
- Poti P & Parenti F (2013) Primates' constructional abilities. *J Anthropol Sci* 91:111–33
- Pott JWR (1992) *Visuele functies bij 5-jarige kinderen in relatie tot een zeer laag geboortegewicht en/of een zeer korte zwangerschapsduur*. Thesis, Erasmus Univ Rotterdam
- Potter SM & Graves RE (1988) Is interhemispheric transfer related to handedness and gender? *Neuropsychol* 26:319–25
- Poulain-Dubois D, Sodian B, Metz U *et al.* (2004) *Out of sight is not out of mind: developmental changes in infants' understanding of visual perception during the second year*. Submitted
- Pouthas V & Macar F (2005) Les bases neurales de la perception du temps et de la régulation temporelle de l'action. *Psychol Fr* 50:27–45
- Powell GE (1979) *Brain and personality*. Saxon House, Westmead, Farnborough, Hants, England
- Powell RP & Bishop DVM (1992) Clumsiness and perceptual problems in children with specific language impairment. *DMCN* 34:755–65
- Powls A, Botting N, Cooke RWI *et al.* (1996) Handedness in very-low-birthweight (VLBW) children at 12 years of age: Relation to perinatal and outcome variables. *DMCN* 38:594–602
- Praamstra P (1992) *Central auditory functions and auditory processing*. Thesis Cath Un Nijmegen
- Praamstra P, Hagoort P, Maassen B *et al.* (1991) Worddeafness and auditory cortical function. A Case history and hypothesis. *Brain* 114:1197–1225
- Prabhakar J, Johnson EG, Nordahl Ch *et al.* (2018) Memory-related hippocampal activation in the sleeping toddler. *PNAS* 115:6500–05
- Prader A, Labhart A, Willi H (1956) Ein Syndrom von Adipositas, Kleinwuchs, kryptorchismus und oligophrenie nach myotonieartigem Zustand im Neugeborenenalter. *Schweiz Med Wschr* 86:1260
- Pramstaller PP & Marsden CD (1996) The basal ganglia and apraxia. *Brain* 119:319–40
- Pranjić M, Rahman N, Kamenetskiy A *et al.* (2023) A systematic review of behavioral and neurobiological profiles associated with coexisting attention-deficit/hyperactivity disorder and developmental coordination disorder. *Neurosci Biobehav Rev*. 153:105389
- Prasad C, Prasad AN, Chodirker BN *et al.* (2000) Genetic evaluation of pervasive developmental disorders: the terminal 22q13 deletion syndrome may represent a recognizable phenotype. *Clin Gen* 57:103–9
- Prats JM, Garaizar C, Uterga JM *et al.* (1992) Operculum syndrome in childhood: A rare cause of persistent speech disturbance. *DMCN* 34:359–64
- Prechtl HFR (1970) Hazards of oversimplification. *DMCN* 12:522–4
- Prechtl HFR (1977) The neurological examination of the fullterm newborn infant. *Clin Dev Med* 63, London: Heinemann,
- Prechtl HFR (1981) The study of neural development as a perspective of clinical problems. In: Connolly K, Prechtl HFR (eds) *Maturation and development. Clinics in developmental medicine*, No 77/78. Spastics Int Med Publ, Heinemann, London/Lip-pincott, Philadelphia
- Prechtl HFR (1982) Assessment methods for the newborn infant, a critical evaluation. In: Stratton P (ed) *Psychobiology of the human Newborn*. Wiley, New York, pp 21–52
- Prechtl HFR (ed 1984) *Continuity of neural functions from prenatal to postnatal life*. SIMP 94. Blackwell, Oxford and Lippincott, Philadelphia
- Prechtl HFR (1984) Continuity and change in early neural development. In: Prechtl HFR (ed) *Continuity of neural functions from prenatal to postnatal life*. Clin Dev Med no 94. Blackwell, Lippincott, Oxford, Philadelphia
- Prechtl HFR (2001) General movement assessment as a method of developmental neurology: New paradigms and their consequences. *DMCN* 43:836–42
- Prechtl HFR & Dijkstra J (1960) Neurological diagnosis of cerebral injury in the newborn. In: Ten Berge BS (ed) *Prenatal care: The collected papers and discussions presented at the symposium held at Groningen-Rotterdam*. Noordhoff, Groningen, pp 222–31
- Prechtl HFR & Stemmer C (1962) The choreiform syndrome in children. *DMCN* 4:119–27
- Preis S, Jäncke L, Schittler P *et al.* (1998) Normal intrasylvian anatomical asymmetry in children with developmental language disorder. *Neuropsychol* 36:849–55
- Preis S, Schittler P & Lenard H-G (1997) Motor performance and handedness in children with developmental language disorder. *Neuropediatr* 28:324–27
- Premack D & Woodruff G (1978) Does the chimpanzee have a theory of mind? *Behav Brain Sci* 1:516–26
- Preston MS & Guthrie JT (1974) Visual Evoked Responses (ver) in normal and disabled readers. *Psychophysiol* 11:452–57
- Preuss UW, Meisenzahl EM, Frodl T *et al.* (2002) Handedness and corpus callosum morphology. *Psychiat Res Neuroimag* 116:33–42
- Previc FH (1991) A general theory concerning the prenatal origins of cerebral lateralization in humans. *Psychol Rev* 98:299–334
- Pribram KH (1971) *Holograms. In: Languages of the brain*. Prentice-Hall Inc, Englewood Cliffs, pp. 159–66
- Price DJ, Kennedy H, Dehay C *et al.* (2006) The development of cortical connections. *Europ J Neurosci* 23:910–20
- Price C, Wise R, Ramsay S *et al.* (1992) Regional response differences within the human auditory cortex when listening to words. *Neurosci Letters* 146:179–82
- Price CJ, Wise R, Warburton EA *et al.* (1996) Hearing and saying. The functional neuro-

- anatomy of auditory word processing. *Brain* 119:919–31
- Prieto P, Estrella A, Thorson J *et al.* (2011) Is prosodic development correlated with grammatical and lexical development? Evidence from emerging intonation in Catalan and Spanish. *J Child Lang* 39:221–57
- Prigogine I & Stengers I (1984) *Order out of chaos*. Heinemann, London
- Prinsen J, Bernaerts S, Wang Y *et al.* (2017) Direct eye contact enhances mirroring of others' movements: A transcranial magnetic stimulation study. *Neuropsychol* 95:111–18
- Prinz W (1996). Bewußtsein und Ich-Konstitution. In G Roth & W Prinz (Hrsg.), *Kopf-Arbeit – Gehirnfunktionen und kognitive Leistungen*. Heidelberg: Spektrum Verlag
- Prior M, Sanson A & Freethy C (1985) Auditory attentional abilities in hyperactive children. *JCPP* 26:289–304
- Prior MR, Tress B & Hoffman WL (1984) Computed tomographic study of children with classic autism. *Arch Neurol* 41:482–84
- Pritschet L, Taylor CM, Cossio D *et al.* (2024) Neuroanatomical changes observed over the course of a human pregnancy. *Nat Neurosci* sept. 16
- Prizant BM (1986) Social relatedness and communicatively impaired children. *Paper presented at the Third Sino-American Symposium on Speech Pathology and Communication Disorders*, Taipei, Taiwan
- Prizant BM & Meyer E (1993) Socioemotional aspects of communication disorders in young children. *Am J Speech Lang Pathol* 2:56–71
- Prohovnik I, Håkansson K & Risberg J (1980) Observations on the functional significance of regional cerebral blood flow in resting normal subjects. *Neuropsychol* 18:203–17
- Pronk JC, Geraeds JPM, Anders GJPA *et al.* (red 1999) *Medical genetics*. (Dutch) Bunge, Utrecht
- Provine RR & Westerman JA (1979) Crossing the midline: Limits of early eye–hand behavior. *Child Dev* 50:437–41
- Provins KA (1958) The effect of training handedness on the performance of two simple motor tasks. *Q J Exp Psychol* 10:29
- Provins KA & Cunliffe P (1972) The reliability of some motor performance tests of handedness. *Neuropsychol* 10:199–206
- Pryde KM, Bryden PJ & Roy EA (2000) A developmental analysis of the relationship between hand preference and performance: I. Preferential reaching into hemispace. *Brain Cogn* 43:370–4
- Przybylski L & Króliczak G (2017) Planning functional grasps of simple tools invokes the hand-independent praxis representation network: an fMRI study. *J Int Neuropsychol Soc* 23:108–20
- Puce A & Perrett D (2003) Electrophysiology and brain imaging of biological motion. *Philosophical Transactions of the Royal Society London. Biol Sci* 358: 435–445
- Puga TB, Dai HD, Wang Y *et al.* (2024) Maternal tobacco use during pregnancy and child neurocognitive development. *JAMA netw open*. 7:e2355952
- Pujol J, Junqué C, Vendrell P *et al.* (1991) Left–ear extinction in patients with MRI periventricular lesions. *Neuropsychol* 29:177–84
- Pulvermüller FA (2002) brain perspective on language mechanisms: from discrete neuronal ensembles to serial order. *Prog Neurobiol*. 67:85–111
- Pulvermüller F (2005b) Brain mechanisms linking language and action. *Nature Rev Neurosci* 6:576–82
- Pulvermüller F, Hauk O, Nikulin VV & Limoniemi RJ (2005a) Functional links between motor and language system. *Eur J Neurosci* 21:793–7
- Pulvermüller F (2010) Brain embodiment of syntax and grammar: Discrete combinatorial mechanisms spelt out in neuronal circuits. *Brain and Language*, 112:167–7
- Purdy MH (2016) Executive functions: Theory, assessment, and treatment. In: Kimbarow (Ed) *ML Cognitive communication disorders*. pp 83–128
- Raichle ME, MacLeod AM, Snyder AZ *et al.* (2001) A default mode of brain function. *Proc Natl Acad Sci* 98:676–82
- Purpura DP (1974) Dendritic spine 'dysgenesis' and mental retardation. *Sci* 186:1126–28
- Purves D (1986) The trophic theory of neural connections. *TINS* 9:486–89
- Purves D & Lichtman JW (1985) *Principles of neural development*. Sinauer Ass Inc Publ, Sunderland, Mass, USA
- Pylyshyn ZW (2002) Mental imagery: In search of a theory. *Beh Brain Sci* 25:157–238
- Pytkowicz Streissguth A, Sampson PD, Barr HM *et al.* (1986) Studying alcohol teratogenesis from the perspective of the fetal alcohol syndrome: Methodological and statistical issues. In: Wisniewski HM & Snider DA (eds) *Mental retardation: Research, education, and technology transfer*. *Ann NY Acad Sci* 477:63–86
- Q**
- Qi T, Mandelli ML, Watson Pereira CL *et al.* (2025) Anatomical and behavioural correlates of auditory perception in developmental dyslexia. *Brain* 148: 833–44
- Qin P, Di H, Liu Y *et al.* (2010) Anterior Cingulate Activity and the Self in Disorders of Consciousness. *Hum Brain Map* 12:1993–2002
- Qin P, Liu Y & Wang Y (2012) Dissociation Between Anterior and Posterior Cortical Regions During Self-Specificity and Familiarity: A Combined fMRI–Meta-Analytic Study. *Hum Brain Mapping* 33:154–64
- Qin P & Northff G (2011) How is our self related to midline regions and the default-mode network? *NeuroImage* 57:1221–33
- Qiu M, Anderson S, Chen S *et al.* (1996) Rapid communication. Mutation of the Emx–1 homeobox gene disrupts the corpus callosum. *Dev Biol* 178:174–8
- Quadt L, Critchley HD & Garfinkel SN (2018) The neurobiology of interoception in health and disease. *Ann N Y Acad Sci*. 1428: 112–28
- Querleu D, Renard X & Crepin G (1981) Perception auditive et réactivité foetale aux stimulations sonores. *J Gyn Obst Biol Reprod* 10:307–14
- Querné L, Eustache F & Faure S (2000) Inter-hemispheric inhibition, intrahemispheric activation, and lexical capacities of the right hemisphere: A tachistoscopic, divided visual-field study in normal subjects. *Brain Lang* 74:171–90
- Quigley C & French F (1995) Androgen Receptor Defects: Historical, Clinical and Molecular Perspectives. *Endocrine Rev*. 16: 271–321
- Quinn P (2011) Born to categorize. In: U Goswami (ed) *The Wiley-Blackwell Handbook of childhood cognitive development*. Wiley-Blackwell, Oxford, UK, pp. 129–152
- Quinn K & Geffen G (1986) The development of tactile transfer information. *Neuropsychol* 24:793–804
- Quirin M, Gillath O, Pruessner JC *et al.* (2009) Adult attachment insecurity and hippocampal cell density. *Soc Cogn Affective Neurosci* 5:39–47
- R**
- Rabinowicz Th, Dean DE, McDonald Comber Petetot J *et al.* (1999) Gender differences in the human cerebral cortex: More neurons in males; More processes in females. *J Child Neurol* 14:98–107
- Rademakers RP, van der Knaap MS, Verbeeten B *et al.* (1995) Central cortico–subcortical involvement: a distinct pattern of brain damage caused by perinatal and postnatal asphyxia in term infants. *J Comp Ass Tomogr* 19:256–63
- Radil T, Mates J, Ilmberger J *et al.* (1990) Stimulus anticipation in following rhythmic acoustic patterns by tapping. *Exp er* 46: 762–63
- Radjabzadeh D, Bosch JA, Uitterlinden AG *et al.* (2022) Gut microbiome-wide association study of depressive symptoms. *Nat Commun* 13, 7128
- Radonovich KJ, Carr JT, Denckla MB *et al.* (2002) *Time judgment and production in children with ADHD*. Poster, in s, Toronto
- Raichle ME, MacLeod AM, Snyder AZ *et al.* (2001) A default mode of brain function. *Proc Natl Acad Sci* 98:676–82
- Raili Riikonen R. (2005) The latest on infantile spasms. *Curr Opin Neurol*. 18:91–9
- Raine A (1996) Autonomic nervous system factors underlying disinhibited, antisocial, and violent behavior. Biosocial perspectives and treatment implications. *Ann New York Acad Sci* 794. The New York Academy of Sciences, pp 46–59
- Raine A (1997) Antisocial behavior and psychophysiology: A biosocial perspective and a prefrontal dysfunction hypothesis. In DM Stoff, J Breiling, & JD Maser (Eds), *Handbook of antisocial behavior* (pp. 289–304). John Wiley & Sons Inc.
- Raine A (2002) Annotation: The role of prefrontal deficits, low autonomic arousal, and early health factors in the development of antisocial and aggressive behaviour in children. *JCPP* 43:417–34
- Rajah MN, McIntosh AR & Grady ChL (1999) Frontotemporal interactions in face encoding and recognition. *Cognit Brain Res* 8:259–69
- Rajendran K, O'Neill S, Marks D J *et al.* (2015) Latent profile analysis of neuropsychological

- measures to determine preschoolers' risk for ADHD. *JCPP* 56:958–65
- Rakic P (1988) Specification of cerebral cortical areas. *Sci* 241:170–76
- Rakic P (1995) A small step for the cell, a giant leap for mankind: A hypothesis of neocortical expansion during evolution. *TINS* 18: 383–88
- Rakic P & Novakowski R (1981) The time and origin of neurons in the hippocampal region of the rhesus monkey. *J Comp Neurol* 196:99–128
- Raisova V & Hyanek J (1986) Speech disorders associated with histidinemia and other hereditary disorders of amino acid metabolism. *Folia phoniat* 38:43–48
- Ramachandran VS & Hubbard EM (2005) The emergence of the human mind: Some clues from synesthesia. In: LC Robertson & N Sagiv (eds) *Synesthesia. Perspectives from cognitive neuroscience*. Oxford Un Press, New York, pp 147–90
- Ramachandran VS & Hubbard EM (2001) Synaesthesia – a window into perception, thought and language. *J Consciousness Stud* 8:3–34
- Ramaekers G & Njokiktjen C (eds 1991) *Pediatric Behavioural neurology, vol 3, The child's corpus callosum*. Suyi Publ, Amsterdam, pp 386
- Ramírez NF, Ramírez RR, Clarke M *et al.* (2017) Speech discrimination in 11-month-old bilingual and monolingual infants: a magnetoencephalography study. *Devel Sci* 20:e12427
- Rammsayer ThH (1994) A cognitive–neuroscience approach for elucidation of mechanisms underlying temporal information processing. *Int J Neurosci* 77:61–76
- Ramsey D (1979) Manual preferences for tapping in infants. *Dev Psychol* 15:437–42
- Ramsay DS (1980) Onset of unimanual handedness in infants. *Infant Behav & Devel* 3:337–38
- Ramus F (2006) Genes, brain, and cognition: A roadmap for the cognitive scientist. *Cogn* 101:247–69
- Rankin JM, Aram DM & Horwitz SJ (1981) Language ability in right and left hemiplegic children. *Brain Lang* 14:292–306
- Ransom DM, Burns AR, Youngstrom EA *et al.* (2016) Applying an Evidence-Based Assessment Model to Identify Students at Risk for Perceived Academic Problems following Concussion *JINS* 22:1038–49
- Rao SM, Harrington DL Haaland KY *et al.* (1997) Distributed neural systems underlying the timing of movements. *J Neurosci* 17:5528–5535
- Rao SM, Mayer AR & Harrington DL (2001) The evolution of brain activation during temporal processing. *Nature Neurosci* 4:317–23
- Rapcsak SZ, Kaszniak AW & Rubens AB (1989) Facial expression recognition by people with Möbius syndrome. *Cog Neuropsychol* 17:73–87
- Rapcsak SZ, Kaszniak AW & Rubens AB (1989) Anomia for facial expressions: evidence for a category specific visual–verbal disconnection syndrome. *Neuropsychol* 27:1031–41
- Rapin I (1982) *Children with Brain Dysfunction. Neurology, Cognition, Language and Behavior*. Int Rev Child Neurol Series. Raven Press, New York, pp 284
- Rapin I (ed 1996) *Preschool Children with inadequate communication. Developmental language disorder, autism, low IQ*. Clin Dev Med 139. Mac Keith Press, London
- Rapin I (2016) Dyscalculia and the Calculating Brain. *Pediatr Neurol* 61:11–20
- Rapin I & Allen DA (1982) Developmental language disorders: nosologic considerations. In: I Rapin, DA Allen (eds) *Neuropsychology of language, reading and spelling*. Acad Press Inc New York, pp 157–86
- Rapin I & Allen DA (1986) The Physician's Assessment and Management of young children with Developmental Language Disorders. In: Rossi E (ed & Neuropädiatrie iii. *Pädiatrische Fortbildungskurse für die Praxis*, Karger, Basel, pp 1–12
- Rapin I & Allen DA (1988) Syndromes in Developmental Dysphasia and Adult Aphasia. In: Plum F (ed) *Language, Communication and the Brain*. Raven Press, New York, 57–75
- Rapin I & Katzman R (1998) Neurobiology of autism. *Ann Neurol* 43:7–14
- Rapin I, Mattis S, Rowan AJ *et al.* (1977) Verbal auditory agnosia in children. *DMCN* 19:192–207
- Rapin I & Segalowitz SJ (eds, 1992) *Handbook of Neuropsychology vol.6* (Child Neuropsychology, part 1 & 2) Elsevier, Amsterdam (see Segalowitz)
- Rapoport JL (1983) The use of drugs: trends in research. In: Rutter M (ed) *Developmental neuropsychiatry*. Churchill Livingstone, Edinburgh, pp 385–403
- Rapoport JL, Quin PO, Bradbard G *et al.* (1974) Imipramine en methylphenidate treatments of hyperactive boys. *Arch Gen Psychiat* 30: 789–93
- Rapoport JL & Zamatkin A (1985) *Drug treatment of attention deficit disorder. Paper presented at Conference on 'Hyperactivity as a Scientific Problem'*. Groningen, The Netherlands, June 12–16, 1985
- Rapuc S, Pierrat V, Marchand-Martin L *et al.* (2024) The interrelatedness of cognitive abilities in very preterm and full-term born children at 5.5 years of age: a psychometric network analysis approach. *JCPP* 65:18–30
- Raskin LA, Shaywitz BA, Shaywitz SE *et al.* (1984) Early brain damage and attentional deficit disorder: an animal model. In: Almlí CR & Finger S (eds 1984) *Early Brain Damage. vol 1 Research orientations and clinical observations*. Ac Press, Inc New York, pp 111–23
- Rasmussen KJ & Milner B (1975) Clinical and surgical studies of the cerebral speech areas in man. In: Zülch KJ, Creutzfeldt O & Galbraith G (eds) *Otfried Foerster Symposium on cerebral localisation*. Springer, Heidelberg
- Rasmussen MK, Mestre H & Nedergaard M (2018) The glymphatic pathway in neurological disorders. *Lancet Neurol* 17:1016–24
- Rasmussen P (1993) Persistent mirror movements: A clinical study of 17 children, adolescents and young adults. *DMCN* 35:699–707
- Ratcliffe SG, Butler GE & Jones M (1990) Edinburgh study of growth and development of children with sex chromosome abnormalities. *Birth Defects* 26:1–44
- Ratinckx E, Brysbaert M, d'Ydewalle G (1997) Age and interhemispheric transfer time: A failure to replicate. *Behav Brain Res* 86:161–4
- Rauch RA & Jinkins JR (1994) Analysis of cross-sectional area measurements of the corpus callosum adjusted for brain size in male and female subjects from childhood to adulthood. *Beh Brain Res* 64:65–78
- Rausch R (1985) Differences in cognitive function with left and right temporal lobe dysfunction. In: Benson DF & Zaidel E (eds) *The dual brain. Hemispheric specialization in humans*. The Guilford Press, New York, pp 247–62
- Rawlins JNP (1985) Associations across time: the hippocampus as a temporary memory store. *Behav Brain Sci* 8:479–514
- Raymaekers R, Wiersma JR & Roeyers H (2009). EEG Study of the Mirror Neuron System in Children with High Functioning Autism. *Brain Res* 25
- Raymer AM, Merians AS, Adair JC *et al.* (1999) Crossed apraxia: Implications for handedness. *Cortex* 35:183–99
- Raymond M (1906) Deux cas de Tumeurs du Corps Calleux avec autopsie. *Rev Neurol* 14:772–3
- Redding (2011) Feeling, thought and orientation: william james and the idealist anti-cartesian tradition. *Parrhesia* 13:41–51
- Reddy H, Lassonde M, Bemasconi N *et al.* (2000) An fMRI study of the lateralization of motor cortex activation in acallosal patients. *NeuroReport* 11:2409–13
- Reddy V, Markova G & Wallot S (2013) Anticipatory adjustments to being picked up in infancy. *PLoS One* 8:e5289
- Reddy V & Uithol S (2016) Engagement: Looking beyond the mirror to understand action understanding. *Br J Dev Psychol* 34:101–14
- Reed ES (1982) An outline of a theory of action systems. *J Mot Behav* 14:98–134
- Reeve J (2017) *Psychologie de la motivation et des émotions*. De Boeck Supérieur, Louvain-la-Neuve. Uit: *Understanding motivation and emotion*. 6th ed. New York: Wiley & Sons
- Regal DM, Ashmead DH & Salapatek Ph (1983) The coordination of eye en head movements during early infancy: a selective review. *Behav Brain Res* 10(1) Elsevier Science Publ, Amsterdam, pp 125–132
- Reggia JA, Goodall SM, Shkuro Y *et al.* (2001) The callosal dilemma: Explaining diaschisis in the context of hemispheric rivalry via a neural network model. *Neurol Res* 23:465–71
- Rehmel JL, Brown WS & Paul LK (2016). Proverb comprehension in individuals with agenesis of corpus callosum. *Brain Lang*. 160:21–9
- Reiersen AM, Constantino JN, Volk HE *et al.* (2007) Autistic traits in a population-based ADHD twin sample. *JCPP* 48:464–72
- Reilly S, Tomblin B, Law J *et al.* (2014) SLI: a convenient label for whom? *Int J Lang Comm Dis* 49:416–51
- Reiss AL, Freund L, Plotnick L *et al.* (1993) The effects of X monosomy on brain development: Monozygotic twins discordant for Turner's syndrome. *Ann Neurol* 34:95–107
- Reiss S, Zalles L, Gbekie C *et al.* (2021) Identity and reproductive aspects in females with Fragile X syndrome. *Women's Health Report* 2:500–6
- Rekkers M & Boerhout C (2018) Psychomotorische therapie. In: G. Noordenbos & A Van

- Elburg (red.) *Handboek eetstoornissen*. Utrecht: De Tijdstroom
- Remez RE, Rubin PHE, Berns SM *et al.* (1994) On the perceptual organization of speech. *Psychol Review* 101:129–56
- Remschmidt H (1975) The psychotropic effect of carbamazepine in non-epileptic patients with particular reference to problems posed by clinical studies in children with behavioural disorders. In: Birkmayer W (ed) *Epileptic Seizures—Behaviour—Pain*. Hans Huber, Bern, pp 253–58
- Remschmidt H & Niebergall G (1981) Language functions in children and cerebral lateralization. In: Lebrun Y & Hoops R (eds) *Neurolinguistic lateralization of language in the child*. Swets and Zeitlinger, Lisse, pp 119–37
- Remschmidt H & Schmidt M (eds 1981) *Neuropsychologie des Kindesalters*. Enke, Stuttgart
- Remschmidt H, Walter R, Kampert K *et al.* (1988) Minimale zerebrale Dysfunktion – Zur Revision eines klinischen Konzeptes. *Fortschr Neurol Psychiat* 56:241–8
- Renier WO (1983) X-linked mental retardation. *A clinical study of six x-linked syndromes with mental retardation*. Proefschrift, Radboud Univ, Nijmegen
- Renteria-Vazquez T, Brown WS, Kang C *et al.* (2022) Social Inferences in Agenesis of the Corpus Callosum and Autism: Semantic Analysis and Topic Modeling. *J Autism Dev Disord*. 52:569–83
- Rentz R, Niebergall G & Gobel D (1986) Fein-neurologische Befunde bei sprachgestorten Schulkindern. *Klin Pädiat* 198:107–13
- Rescher B & Rappelsberger P (1999) Gender dependent EEG-changes during a mental rotation task. *Int J Psychophysiol* 33:209–22
- Rescorla L (2002) Language and reading outcomes to age 9 in late-talking toddlers. *J Speech Lang Hear Res* 45:360–71
- Rett A (1966) Über ein eigenartiges hirnatrophisches Syndrom bei Hyperammonämie im Kindesalter. *Wien Med Wochenschrift* 118:723–6
- Reuser JAM (1987) Enkele aspecten van de sensorimotorische ontwikkeling bij 4– tot 8-jarige kinderen. *T Jeugdgez* 19:80
- Reuss ML, Paneth N, Pinto–Martin JA *et al.* (1996) The relation of transient hypothyroxinemia in preterm infants to neurologic development at two years of age. *N Engl J Med* 334:821–7
- Reuter Andersen K (2011) *Is it possible to improve hearing by listening training?* Acustica United with Acta Acustica, Aalborg Univ 97:76
- Revencu B & Csibra G (2023) The missing link between core knowledge and language: Review of Elizabeth Spelke's What babies know, volume 1 (2022). *Mind & Lang*. 1–9 DOI: 10.1111/mila.12482
- Rey A (1960) Epreuve pour l'examen des apraxies de construction. *Rev Neurol* 102:653–56
- Rey A (1968) *Epreuves d'intelligence pratique et de psychomotricité*. Delachaux et Niestlé, Neuchâtel
- Reynolds JE, Grohs MN, Dewey D *et al.* (2019). Global and regional white matter development in early childhood. *NeuroImage*. 196:49–58
- Rexwinkel M, Schmeets M, Pannevis C *et al.* (2011) *Handboek, Infant Mental Health*. Van-Gorcum, Assen
- Rezaul Karim AKM, Proulx MJ & Likova LT (2016) Anticlockwise or clockwise? A dynamic perception-action-laterality model for directionality bias in visuospatial functioning. *Neurosci Biobehav Rev* 68:669–93
- Rheinheimer N, Beijers R, Bruinhof N *et al.* (2023) Effects of daily full-term infant skin-to-skin contact on behavior and cognition at age three - secondary outcomes of a randomized controlled trial. *JCPP* 64:136–44
- Rhodes LE (1969) The visual evoked response: a comparison of bright and dull children. *EEG Clin Neurophysiol* 27:364–72
- Riby DM, Kirk H, Hanley M *et al.* (2014) Stranger danger awareness in Williams syndrome. *J Intell Disab Res* 58:572–82
- Rice JE iil, Vannucci RC & Brierley JB (1981) The influence of immaturity on hypoxic-ischemic brain damage in the rat. *Ann Neurol* 9:131–41
- Rice ML, Warren SF & Betz SK (2005) Language symptoms of developmental language disorders: An overview of autism, Down syndrome, fragile X, specific language impairment, and Williams syndrome. *Appl Psycholing* 26:7–27
- Rice M & Brooks G (2004) *Developmental dyslexia in adults a research review*. Univ of London
- Riccio P & Rossano R (2019) Undigested food and gut microbiota may cooperate in the pathogenesis of neuroinflammatory diseases: a matter of barriers and a proposal on the origin of organ specificity. *Nutrients* 11:2714
- Richards G, Beking T, Kreukels BPC *et al.* (2021). An examination of the influence of prenatal sex hormones on handedness: Literature review and amniotic fluid data. *Horm Behav*, 129, article 104929
- Richer LP, Shevell MI & Rosenblatt BR (2002) Epileptiform abnormalities in children with Attention-Deficit-Hyperactivity Disorder. *Pediatr Neurol* 26:125–9
- Richman LC & Wood KM (2002) Learning disability subtypes: classification of high functioning hyperlexia. *Brain Lang* 82:10–21
- Richter-Levin G (2004) The Amygdala, the Hippocampus, and Emotional Modulation of Memory. *Neuroscientist* 10: 31–39
- Rickard TC, Romero SG, Basso G *et al.* (2000) The calculating brain: An fMRI study. *Neuropsychologia* 38:325–35
- Ricotti V, Mandy WPL, Scoto M *et al.* (2015) Neurodevelopmental, emotional, and behavioural problems in Duchenne muscular dystrophy in relation to underlying dystrophin gene mutations. *DMCN* 58: 77–84
- Riddoch MJ & Humphreys GW (1986) Neurological impairments of object constancy: The effects of orientation and size disparities. *Cogn Neuropsychol* 3:207–24
- Riem MM, Bakermans-Kranenburg MJ, van Ijzendoorn MH *et al.* (2012) Attachment in the brain: adult attachment representations predict amygdala and behavioral responses to infant crying. *Attach Hum Dev* 14:533–51
- Riès SK, Dronkers NF & Knight RT (2016) Choosing words: left hemisphere, right hemisphere, or both? Perspective on the lateralization of word retrieval. *Ann N Y Ac Sci* 1369:111–31
- Rietman AB, Oostenbrink R, Bongers S *et al.* (2017) Motor problems in children with neurofibromatosis type 1. *J Neurodev Dis* 9:1–10
- Riikonen R & Amnell G (1981) Psychiatric disorders in children with earlier infantile spasms. *DMCN* 23:747–60
- Rijntjes M, Dettmers C, Buchel C, *et al.* (1999) A blueprint for movement: functional and anatomical representations in the human motor system. *J Neurosci* 19:8043–8
- Riley EP, Mattson SN, Sowell ER *et al.* (1995) Abnormalities of the corpus callosum in children prenatally exposed to alcohol. *Alcohol Clin Exp Res* 19:1198–202
- Riley EP & Vorhees ChV (eds) *Handbook for behavioral teratology*. Plenum, New York
- Rilling JK, Glasser MF, Preuss TM *et al.* (2008) The evolution of the arcuate fasciculus revealed with comparative DTI. *Nature Neurosci* 11:426–28
- Rilling JK & Insel TR (1999) Differential expansion of neural projection systems in primate brain evolution. *Neuroreport* 10:1453–9
- Rimland B (1964) *Infantile autism: the syndrome and its implications for a neural theory of behavior*. Appleton–Century–Crofts, New York
- Ring HA, Baron–Cohen S, Wheelwright S *et al.* (1999) Cerebral correlates of preserved cognitive skills in autism. A functional MRI study of Embedded Figures Task performance. *Brain* 122:1305–15
- Ringman JM & Jankovic J (2000) Occurrence of tics in Asperger's Syndrome and Autistic Disorder. *J Child Neurol* 15:394–400
- Rinne Th (2002) *The neuro-endocrine scars of sustained childhood abuse in adult female patients with borderline personality disorder*. Thesis, Univ Amsterdam
- Risch NJ (2001) Implications of multilocus inheritance for gene disease association studies. *Theor Popul Biol* 60:215–20
- Ritter SM, Abbing J & van Schie HT (2018) Eye-Closure Enhances Creative Performance on Divergent and Convergent Creativity Tasks. *Front Psychol*, 9
- Ritvo ER, Yuwiler A, Geller E *et al.* (1970) Increased blood serotonin and platelets in early infantile autism. *Arch Gen Psychiat* 23:566–72
- Ritvo ER, Freeman BJ, Mason–Brothers A *et al.* (1986) Concordance for the syndrome of autism in 40 pairs of afflicted twins. In: Chess S & Thomas A (eds) *Annual Progress in Child Psychiatry and Child Development*. Brunner and Mazel, New York, pp 549–56
- Ritvo ER, Freeman BJ, Scheibel AB *et al.* (1988) Lower purkinje cell counts in the cerebella of four autistic subjects: initial findings of the ucla–nsac autopsy research report. *Am J Psychiat* 143:862–6
- Ritvo ER, Spence MA, Freeman BJ *et al.* (1985) Evidence for autosomal recessive inheritance in 46 families with multiple incidences of autism. *Am J Psychiat* 142:187–92

- Riva D (1998) Language deficits in a child with omolateral (left) temporo-basal and cerebellar lesions. *Neuropsychol* 36:71–75
- Riva D (1998) The cerebellar contribution to language and sequential functions: evidence from a child with cerebellitis. *Cortex* 34:279–87
- Riva D (2000a) Cerebellar contribution to behaviour and cognition in children. *J Neurolinguistics* 13:215–25
- Riva D (2000b) Hemispheric specialization in acausal children In: Riva D & Benton A (eds) *Localization of brain lesions and developmental functions*. Mariani Foundation Paediatric Neurology: 9. John Libbey & Company Ltd, Eastleigh, England, pp 23–34
- Riva D (2000c) The cerebellum contributes to higher cognitive and social behaviour in childhood: evidence from acquired cerebellar lesions. In: Riva D & Benton A (eds) *Localization of brain lesions and developmental functions*. Mariani Foundation Paediatric Neurology: 9. John Libbey & Company Ltd, Eastleigh, England, pp 151–60
- Riva D & Cazzaniga L (1986) Late effects of unilateral brain lesions sustained before and after age one. *Neuropsychol* 24:423–28
- Riva D & Giorgi C (2000) The cerebellum contributes to higher functions during development. Evidence from a series of children surgically treated for posterior fossa tumours. *Brain* 123:1051–61
- Riva D, Giorgi C, Nichelli F *et al.* (2002) Intrathecal methotrexate affects cognitive function in children with medulloblastoma. *Neurol* 59:48–53
- Riva D, Saletti V & Nichelli F (2000) The organization of memory in temporo-mesial structures in developmental age. In: Riva D & Benton A (eds) *Localization of brain lesions and developmental functions*. John Libbey & Co Ltd, pp 15–21
- Riva G (2018) The neuroscience of body memory: From the self through the space to the others. *Cortex*, 104:241–60
- Rivkin MJ, Vajapeyam S, Hutton Chl *et al.* (2003) A functional magnetic resonance imaging study of paced finger tapping in children. *Pediatr Neurol* 28:89–95
- Rizzo M & Hurtig R (1987) Looking but not seeing: Attention, perception, and eye movements in simultanagnosia. *Neurol* 37:1642–8
- Rizzolatti G & Arbib MA (1998) Language within our grasp. *TINS* 21:188–94
- Rizzolatti G, Cattaneo L, Fabbri-Destro M *et al.* (2014) Cortical mechanisms underlying the organization of goal-directed actions and mirror neuron-based action understanding. *Physiol Rev* 94:655–706
- Rizzolatti G, Fabbri-Destro M & Cattaneo L (2009) Mirror neurons and their clinical relevance. *Nature Clin Pract Neurol* 5:24–34
- Rizzolatti G, Fadiga L, Fogassi L & Gallese V (2001) From mirror neurons to imitation: facts and speculations. In A Meltzoff & W Prinz (eds) *The imitative mind: development, evolution and brain bases*. Cambridge, MA, Cambridge Un Press
- Rizzolatti G & Craighero L (2004) The mirror-neuron system. *Ann Rev of Neurosci* 27: 169–192
- Rizzolatti G & Fadiga L (1998) Grasping objects and grasping action meanings: the dual role of monkey rostroventral premotor cortex (area F5). *Novartis Found Symp* 218:81–95
- Rizzolatti G, Fadiga L, Fogassi L *et al.* (1999) Resonance behaviors and mirror neurons. *Arch Ital Biol* 137:85–100
- Rizzolatti G, Fogassi L & Gallese V (2002) Motor and cognitive functions of the ventral premotor cortex. *Curr Opin Neurobiol* 12:149–54
- Rizzolatti G, Gardilucci M, Camarda RM *et al.* (1990) Neurons related to reaching-grasping arm movements in the rostral part of area 6 (area 6a). *Exp Brain Res* 82:337–50
- Rizzolatti G, Scandolara C, Matelli M *et al.* (1981). Afferent properties of periacuate neurons in macaque monkeys. II. Visual responses. *Behav. Brain Res.* 2:147–63
- Rizzolatti G & Sinigaglia C (2007) *Mirrors in the brain*. Oxford UK: Oxford University Press.
- Rizzolatti G & Sinigaglia C (2016) The mirror mechanism: a basic principle of brain function. *Nat Rev Neurosci* 17:757–65
- Rizzuto A-M (2015) *Freud and the spoken word. Speech as a key to the unconscious*. New York: Routledge
- Rizzuto A-M (1990) The origins of Freud's concept of object representation ('Objectvorstellung') in his monograph 'On Aphasia': its theoretical and technical importance. *Int J Psycho-Anal* 71: 241–248
- Rizzuto A-M (2002a) Speech events, language development and the clinical situation. *Int J Psychoanal* 83:325–43
- Rizzuto A-M (2002b) La psychanalyse : une transformation du sujet par la parole. *Topique* 78:65–86
- Roach ES, Smith Th, Terry ChV *et al.* (1987) Magnetic resonance imaging in pediatric neurologic disorders. *J Child Neurol* 2:111–16
- Robbins TW & Sahakian BJ (1979) "Paradoxical" effects of psychomotor stimulant drugs in hyperactive children from the standpoint of behavioural pharmacology. *Neuropharmacol* 18:931–50
- Robertson CE, C Thomas, Kravitz DJ *et al.* (2014) Global motion perception deficits in autism are reflected as early as primary visual cortex. *Brain* 137:2588–99
- Robertson CMT, Etches PC & Kyle JM (1990) Eighth-year school performance and growth of preterm, small for gestational age infants: A comparative study with subjects matched for birth weight or for gestational age. *J Pediatr* 116:19–26
- Robertson IH, Manly T, Beschin N *et al.* (1997) Auditory sustained attention is a marker of unilateral spatial neglect. *Neuropsychol* 35:1527–32
- Robertson LC & Sagiv N (eds, 2005) *Synesthesia. Perspectives from cognitive neuroscience*. Oxford Un Press, New York
- Robertson MM (2000) Tourette syndrome, associated conditions and the complexities of treatment. *Brain* 123:425–62
- Robertson MM, Banerjee S, Eapen V *et al.* (2002) Obsessive compulsive behaviour and depressive symptoms in young people with Tourette syndrome. *Eur Child Adolesc Psychiat* 11:261–5
- Robichon F, Levrier O, Farnier P *et al.* (2000) Developmental dyslexia: Atypical cortical asymmetries and functional significance. *EFNS Eur J Neurol* 7:35–46
- Robinson GM & Solomon DJ (1974) Rhythm is processed by the speech hemisphere. *J Exp Psychol* 102:508–11
- Robinson PD, Schutz CK, Macciardi F *et al.* (2001) Genetically determined low maternal serum dopamine B-hydroxylase levels and the etiology of autism spectrum disorders. *Am J Med Genet* 100:30–6
- Robinson RG, Kubos KL, Starr LB *et al.* (1984) Mood disorders in stroke patients: Importance of location of lesion. *Brain* 107:81–93
- Robinson RO, Lippold T & Land R (1986) Body schema: does it depend on bodily-derived sensations? *DMCN* 28:49–52
- Robinson RO, Baird G, Robinson G *et al.* (2001) Landau-Kleffner syndrome: Course and correlates with outcome. *DMCN* 43:243–7
- Roby-Brami A, Hermsdörfer J, Roy AC & Jacobs S (2012) A neuropsychological perspective on the link between language and praxis in modern humans. *Phil Trans R Soc B* 367:144–160
- Rochat P (2009) *Others in mind. Social origins of self-consciousness*. New York: Cambridge University Press.
- Roche-Labarbe N, Fenoglio A, Aggarwal A *et al.* (2012). Near-infrared spectroscopy assessment of cerebral oxygen metabolism in the developing premature brain. *J Cereb Blood Flow Metab* 32:481–8
- Rodier PM (2000) The early origins of autism. *Sci Am Febr* 2000:38–45
- Rodríguez R (1991) Hand motor patterns after the correction of left-nondominant-hand mirror writing. *Neuropsychol* 29:1191–203
- Roebuck TM, Mattson SN & Riley EP (2002) Interhemispheric transfer in children with heavy prenatal alcohol exposure. *Alcoholism: Clin Exp Res* 26:1863–71
- Roeltgen DP & Heilman KM (1984) Lexical aphasia. Further support for the two-system hypothesis of linguistic aphasia. *Brain* 107:811–27
- Roeltgen DP, Sevush S & Heilman KM (1983) Pure Gerstmann's syndrome from a focal lesion. *Arch Neurol* 40:46–47
- Roenneberg T, Kuehnle T, Pramstaller PP *et al.* (2004). A marker for the end of adolescence. *Curr Biol* 14:1038–39
- Roest AM, de Vries YA, Wienen AW *et al.* (2022) Editorial Perspective: Are treatments for childhood mental disorders helpful in the long run? An overview of systematic reviews. *JCPP* 64: 464-9
- Rogeness GA, Javors MA & Pliszka SR (1992) Neurochemistry and child and adolescent psychiatry. *JAACAP* 31:765–81
- Roger J, Dravet C, Bureau M *et al.* (1992) *Epileptic syndromes in infancy, childhood and adolescence*. 2nd ed John Libbey,
- Rogers SJ, Ozonoff S & Maslin-Cole C (1991) A Comparative Study of Attachment Behavior in Young Children with Autism or Other Psychiat

- ric Disorders. *J Am Ac Child & Adol Psychiat* 483–88
- Roland E, Jan JE, Hill A *et al.* (1986) Cortical visual impairment following birth asphyxia. *Ped Neurol* 2:133–37
- Roland PE, Larsen B, Lassen NA *et al.* (1980) Supplementary motor area and other cortical areas in organization of voluntary movements in man. *J Neurophysiol* 43:118–136
- Roland PE, Meyer E, Shibasaki T *et al.* (1982) Regional cerebral blood flow changes in cortex and basal ganglia during voluntary movements in normal human volunteers. *J Neurophysiol* 48:467–80
- Rombouts S & Veltman D (2003) Functionele MRI (fMRI) – Inleiding en technische achtergrond. *Neuropraxis* 6:168–72
- Romens SE, McDonald J, Svaren J *et al.* (2015) Associations between early life stress and gene methylation in children. *Child Devel* 86:303–9
- Rommel A-S, Bergink V, Liu X *et al.* (2020) Long-Term Effects of Intrauterine Exposure to Antidepressants on Physical, Neurodevelopmental, and Psychiatric Outcomes: A Systematic Review. *J Clin Psychiat* 81:19r12965
- Rommelse N, Buitelaar JK & Hartman CA (2017) Structural brain imaging correlates of ASD and ADHD across the lifespan: a hypothesis-generating review on developmental ASD–ADHD subtypes. *J Neural Transm* 124:259–71
- Rommelse NN, Geurts HM, Franke B *et al.* (2011) A review on cognitive and brain endophenotypes that may be common in autism spectrum disorder and attention-deficit/hyperactivity disorder and facilitate the search for pleiotropic genes. *Neuro-sci Biobehav Rev* 35:1363–96
- Rommelse NN, Van der Stigchel S & Sergeant JA (2008). A review on eye movement studies in childhood and adolescent psychiatry. *Brain Cogn* 68:391–414
- Ronald A, Simonoff E, Kuntsi J *et al.* (2008) Evidence for overlapping genetic influences on autistic and ADHD behaviours in a community twin sample. *J Child Psych Psychiat* 49:535–42
- Roncaglia-Denissen MP & Kotz SA (2016) What does neuroimaging tell us about morphosyntactic processing in the brain of second language learners? *Bilingual: Lang Cogn* 19:665–73
- Roncagliolo M, Benítez J & Pérez M (1994) Auditory brainstem responses of children with developmental language disorders. *DMCN* 36:26–33
- Rong Q C & Deecke L (1999) High resolution DC-EEG analysis of the Bereitschaftspotential and post movement onset potentials accompanying uni- or bilateral voluntary finger movements. *Brain Topograph* 11:233–49
- Ronga I, Poles K, Pace C *et al.* (2024) At First Sight: Fetal Eye Movements Reveal a Preference for Face-Like Configurations From 26 Weeks of Gestation. *Dev Sci*; 28:e13597
- Rönnqvist L & Domellöf E (2006) Quantitative assessment of right and left reaching movements in infants: A longitudinal study from 6 to 36 months. *Dev Psychobiol* 48:444–59
- Roozendaal B, McReynolds JR, Van der Zee EA *et al.* (2009) Glucocorticoid effects on memory consolidation depend on functional interactions between the medial prefrontal cortex and basolateral amygdala. *J Neurosci* 29:14299–308
- Rosanoff AJ (1931) Sex-linked inheritance in mental deficiency. *Am J Psychiat* 11:289–97
- Rose SA (1990) Cross-modal transfer in human infants. In: A Diamond (ed) *The Development and Neural Bases of higher Cognitive Functions*. *Annals NY Ac Sci* 608:38–50
- Rosen AD & Lubowski J (1987) Magnetic field influence on central nervous system function. *Exp Neurol* 95:679–87
- Rosen GD (1996) Cellular, morphometric, ontogenetic and connective substrates of anatomical asymmetry. *Neurosci Biobehavior Rev* 20:607–15
- Rosenau PT, Dietrich A, van den Hoofdakker BJ *et al.* (2024) ADHD medication adherence reduces risk of committing minor offenses in adolescents. *JCPP* 65:1478–85
- Rosenbaum DA (1991) *Human motor control*. Academic Press, New York
- Rosenbaum DH, Siegel M, Barr WB *et al.* (1986) Epileptic aphasia. *Neuro* 36:822–25
- Rosenbaum T, Gärtner J, Körholz D *et al.* (1998) Paraneoplastic limbic encephalitis in two teenage girls. *Neuropediatr* 29:159–62
- Rosenberg DR, Keshavan MS, Dick EL *et al.* (1997) Corpus callosal morphology in treatment-naïve pediatric obsessive compulsive disorder [Review] *Progr Neuro-Psychopharmacol Biol Psychiat* 21:126 9–83
- Rosenberger PB (1970) Visual matching and clinical findings among good and poor readers. *Am J Dis Child* 119:103–10
- Rosenberger PB & Hier DB (1980) Cerebral asymmetry and verbal intellectual deficits *Annals Neurol* 8
- Rosenhall U, Bjorkman G, Pedersen K *et al.* (1985) Brain-stem auditory evoked potentials in different age groups. *EEG Clin Neurophysiol* 62:426–30
- Ross C, Davies P & Whitehouse W (2002) Melatonin treatment for sleep disorders in children with neurodevelopmental disorders: An observational study. *DMCN* 44:339–44
- Ross ED (1981) The aprosodias: functional anatomic organization of the affective components of language in the right hemisphere. *Arch of Neurol* 38:561–69
- Ross ED, Harney JH, de Lacoste-Utamsing C *et al.* (1981) How the brain integrates affective and propositional language into a unified behavioral function. Hypothesis based on clinicoanatomic evidence. *Arch Neurol* 38:745–48
- Ross ED & Mesulam M-M (1979) Dominant language functions of the right hemisphere? prosody and emotional gesturing. *Arch Neurol* 36:144–48
- Ross ED, Thompson RD & Yenkosky J (1997) Lateralization of affective prosody in brain and the callosal integration of hemispheric language functions. *Brain Lang* 56:27–54
- Ross G, Lipper E & Auld PAM (1986) Early predictors of neurodevelopmental outcome of very low-birthweight infants at three years. *Dev Med Child Neurol* 28:171–9
- Roozendaal B, McReynolds JR, Van der Zee EA *et al.* (2009) Glucocorticoid effects on memory consolidation depend on functional interactions between the medial prefrontal cortex and basolateral amygdala. *J Neurosci* 29:14299–308
- Roth TL & Sweatt JD (2011) *Ann Res Rev*: Epigenetic mechanisms and environmental shaping of the brain during sensitive periods of development. *JCPP* 52:398–408
- Rothi GLJ & Heilman KM (1985) Ideomotor apraxia: gestural discrimination, comprehension and memory. In: EA Roy (ed) *Neuropsychological studies of apraxia and related disorders*. North-Holland, Amsterdam, pp 65–74
- Roulet Perez E, Maeder Ph, Meagher Villemure K *et al.* (2000) Acquired hippocampal damage after temporal lobe seizures in 2 infants. *Ann Neurol* 48:384–7
- Rourke BP (1978) Neuropsychological research in reading retardation: A review. In: Benton AL & Pearl D (eds) *Dyslexia. An appraisal of current knowledge*. Oxford University Press, New York, pp 139–72
- Rourke BP (1979) Reading retardation in children: Developmental lag or deficit? In: Knights RM & Bakker DJ (eds) *The neuropsychology of learning disorders. Theoretical approaches*. Univ Park Press, Baltimore, pp 125–38
- Rourke BP (1995) *Syndrome of nonverbal learning disabilities: neurodevelopmental manifestations*. New York, Guilford Press
- Rourke BP, Bakker DJ, Fisk JL *et al.* (1983) *Child Neuropsychology. An introduction to theory, research, and clinical practice*. The Guilford Press, New York
- Rourke BP, Fisk JL & Strang JD (1986) *Neuropsychological assessment of children*. The Guilford Press, New York
- Rousseau C, Fautrelle L, Papathanthos C *et al.* (2016) Direction-dependent activation of the insular cortex during vertical and horizontal hand movements. *Neurosci* 325:10–9
- Rousselle L & Noël M-P (2007). Basic numerical skills in children with mathematics learning disabilities: A comparison of symbolic vs non-symbolic number magnitude processing. *Cognition* 102:361–95
- Roux FE, Dufor O, Giussani C *et al.* (2009) The Graphemic/Motor Frontal Area Exner’s Area Revisited. *Ann Neurol* 66:537–45
- Rovet JF (1990) Congenital hypothyroidism: Intellectual and neuropsychological functioning. In: Holmes (ed 1990) *Psychoneuroendocrinology*. pp 273–322
- Rovet J & Alvarez M (1996) Thyroid hormone and attention in school-age children with congenital hypothyroidism. *JCPP* 37:579–85
- Rovet JF & Ehrlich RM (1995) Long-term effects of L-thyroxine therapy for congenital hypothyroidism. *J Pediatr* 126:380–6
- Rovet J, Krekewich K, Perlman K *et al.* (1995) Savant characteristics in a child with developmental delay and deletion in the short arm of chromosome 20. *DMCN* 37:637–44
- Rovet J, Netley C, Bailey J *et al.* (1995) Intelligence and achievement in children with extra X aneuploidy: A longitudinal perspective. *Am J Med Genet* 60:356–63
- Rovira P, Demontis D, Sánchez-Mora C *et al.* (2019) Shared genetic background between children and adults with attention defi-

- cit/hyperactivity disorder. *Neuropsychopharmacol* doi: 10.1038/s41386-020-0664-5
- Rowe AD, Bullock PR, Polkey CE *et al.* (2001) 'Theory of mind' impairments and their relationship to executive functioning following frontal lobe excisions. *Brain* 124:600–16
- Roy AK, Klein RG, Angelosante A *et al.* (2013) Clinical Features of Young Children Referred for Impairing Temper Outbursts. *J Child Adolesc Psychopharmacol* 23:588–96
- Rubenstein AE, Bunge RP, Housman DE (eds 1986) Neurofibromatosis. *Ann NY Acad Sci* 486:1–414
- Rubia K, Noorlos J, Smith A *et al.* (2003) Motor timing deficits in community and clinical boys with hyperactive behavior: the effect of methylphenidate on motor timing. *J Abn Child Psychol* 31:301–13
- Rubia K, Overmeyer S, Taylor E *et al.* (1998) Prefrontal involvement in "temporal bridging" and timing movement. *Neuropsychol* 36:1283–93
- Rubin RA & Balow B (1977) Perinatal influences on the behavior and learning problems of children. In: Lahey BB & Kazdin AE (eds) *Advances in clinical child Psychology, vol 1*. Plenum, New York, pp 119–59
- Rudel RG & Denckla MB (1974) Relation of forward and backward digit repetition to neurological impairment in children with learning disabilities. *Neuropsychol* 12:109–18
- Rudel RG, Denckla MB & Hirsch S (1977) The development of left-hand superiority voor discriminating braille configurations. *Neurology* 27:160–64
- Rueckert L & Grafman J (1996) Sustained attention deficits in patients with right frontal lesions. *Neuropsychol* 34:953–63
- Rueckert L & Levy J (1996) Further evidence that the callosum is involved in sustaining attention. *Neuropsychol* 34:927–35
- Rueckert L, Sorensen L & Levy J (1994) Callosal efficiency is related to sustained attention. *Neuropsychol* 32:159–73
- Rühl D, Bölte S & Poustka F (2001) Sprachentwicklung und Intelligenzniveau beim Autismus. *Der Nervenarzt* 72:535–40
- Ruijs MBM, Gabreëls FJM & Thijssen HOM (1994) The utility of electroencephalography and cerebral computed tomography in children with mild and moderately severe closed head injuries. *Neuropediatr* 25:73–7
- Ruijsenaars AJJM & Van Den Bergh P, Schoorl PM (2008) *Orthopedagogiek. Ontwikkelingen, theorieën en modellen: een inleiding*. Antwerpen/Apeldoorn: Garant Publishers
- Rumsey JM, Andreason P, Ametkin AJ *et al.* (1992) Failure to activate the left temporoparietal cortex in dyslexia. *Arch Neurol* 49:527–34
- Rumsey JM, Casanova M, Mannheim GB *et al.* (1996) Corpus callosum morphology, as measured with MRI, in dyslexic men. *Biol Psychiat* 39:769–75
- Rumsey JM & Ernst M (2000) Functional neuroimaging of autistic disorders. *Mental Retardation and Developmental Disab Res Rev* 6:171–79
- Rumsey JM, Donohue BC, Brady DR *et al.* (1997) A magnetic resonance imaging study of planum temporale asymmetry in men with developmental dyslexia. *Arch of Neurol* 54:1481–489
- Rumsey JM, Dorwart R, Vermess M *et al.* (1986) Magnetic resonance imaging of brain anatomy in severe developmental dyslexia. *Arch Neurol* 43:1045–46
- Rumsey JM, Zemetkin AJ, Andreason P *et al.* (1994) Normal activation of frontotemporal language cortex in dyslexia, as measured with oxygen 15 positron emission tomography. *Arch Neurol* 51:27–38
- Rusak B & Zucker I (1979) Neural regulation of circadian rhythms. *Psychol Rev* 59:449–526
- Rusconi E, Pinel P, Dehaene S *et al.* (2010) The enigma of Gerstmann's syndrome revisited: a telling tale of the vicissitudes of neuropsychology. *Brain* 133: 320–32
- Rushe TM, Rifkin L, Stewart AL *et al.* (2001) Neuropsychological outcome at adolescence of very preterm birth and its relation to brain structure. *DMCN* 43:226–33
- Rushe TM, Temple CM, Rifkin L *et al.* (2004) Lateralisation of language function in young adults born very preterm. *Arch Dis Child Fetal Neon Ed.* 89:F12–8
- Rushworth MFS, Nixon PhD, Renowden S *et al.* (1997) The left parietal cortex and motor attention. *Neuropsychol* 35:1261–73
- Russ JB, Agarwal S, Venkatesan C *et al.* (2025) Fetal malformations of cortical development: review and clinical guidance. *Brain*. 148:1888–1903
- Russell AJ, Mataix-Cols D & Anson M (2005) Obsessions and compulsions in Asperger syndrome and high-functioning autism. *Br J Psychiat* 186:525–8
- Rushworth MFS, Nixon PhD, Wade DT *et al.* (1998) The left hemisphere and the selection of learned actions. *Neuropsychol* 36:11–24
- Ruta L, Mugno D & D'Arrigo VG (2010) Obsessive-compulsive traits in children and adolescents with Asperger syndrome. *Eur Child Adolesc Psychiat* 9:17–24
- Rutgers AH (2004) Autism and Attachment (Dutch). *Wet T Autisme* 66–9
- Rutgers AH Bakermans-Kranenburg MJ, Van Ijzendoorn MH *et al.* (2007a) Autism and attachment: the Attachment Q-Sort. *Autism* 11:187–200
- Rutgers AH, Bakermans-Kranenburg, MJ, Van Ijzendoorn MH *et al.* (2004) Autism and attachment: a meta-analytic review. *J Child Psychol Psychiat* 45:1123–34
- Rutgers AH, Van Ijzendoorn MH, Bakermans-Kranenburg MJ *et al.* (2007b) Autism, Attachment and Parenting: A comparison of children with Autism Spectrum Disorder, Mental Retardation, Language Disorder and non-clinical children. *J Abn Child Psychol* 35:859–70
- Rüther J & Liszkowski U (2024) Ontogeny of index-finger pointing. *J Child Lang.* 51:1050–66
- Rutten G-JM, Ramsey NF, Rijen PC van *et al.* (2002) Interhemispheric reorganization of motor hand function to the primary motor cortex predicted with functional magnetic resonance imaging and transcranial magnetic stimulation. *J Child Neurol* 17:292–7
- Rutter M (1969) A children's behaviour questionnaire for completion by teachers: preliminary findings. *JCPP* 8:1–11
- Rutter M (1974) The development of infantile autism. *Psychol Med* 4:147–63
- Rutter M (1977) Brain dysfunction syndromes in childhood: concept and findings. *JCPP* 18:1–21
- Rutter M (1981) Psychological Sequelae of Brain Damage in Children. *Am J Psychiat* 138:1533–44
- Rutter M (1982) Developmental neuropsychiatry: Concepts, issues, and prospects. *J Clin Neuropsychol* 4:91–115
- Rutter M (1982) Syndromes attributed to 'Minimal Brain Dysfunction' in childhood. *Am J Psychiat* 139:21–33
- Rutter M (1984) Concepts of brain dysfunction syndromes. In: Rutter M (ed) *Developmental neuropsychiatry*. Churchill Livingstone, Edinburgh, pp 1–11
- Rutter M (ed 2002) *Developmental Neuropsychiatry*. Churchill Livingstone, Edinburgh, pp 632
- Rutter M & Chadwick O (1984) Neuropsychological Assessment. in: Rutter M (ed) *Developmental Neuropsychiatry*. Churchill Livingstone, pp 181–21
- Rutter M, Chadwick O, Schaffer D (1984) Head injury. In: Rutter M (ed. *Developmental Neuropsychiatry*. Churchill Livingstone, pp 83–112
- Rutter M & Graham Ph (1970) *A Neuropsychiatric study in childhood*. Clin Dev Med 35–36, Heinemann, London
- Rutter M, Graham P & Birch H (1966) Interrelations between the choreiform syndrome, reading disability and psychiatric disorder in children of 8–11 years. *Dev Med Child Neur* 8:149–59
- Rutter M, Andersen-Wood L, Beckett C *et al.* (1999) Quasi-autistic Patterns Following Severe Early Global Privation. *J Child Psychol Psychiat* 40:537–49
- Rutter M & Pickles A (2016) Ann Res Rev: Threats to the validity of child psychiatry and psychology. *JCPP* 57:398–416
- Rutter M & Taylor E (2002) *Child and adolescent psychiatry*. Blackwell Publ Cy, Oxford, pp 1209
- Ryan AK, Goodschip JA, Philip N *et al.* (1997) Spectrum of clinical features with interstitial chromosome 22q11 deletions: a European collaborative study. *J Med Gen* 34:798–804
- Rylaarsdam L & Guemez-Gamboa A (2019) Genetic causes and modifiers of autism spectrum disorder. *Front Cell Neurosci* 13:385

S

- Sabbagh MA (1999) Communicative intentions and language: Evidence from right-hemisphere damage and autism. *Brain Lang* 70:29–69
- Sacco S, Moutard ML, Fagard J *et al.* (2006) Agensis of the corpus callosum and the establishment of handedness. *Dev Psychobiol* 48:472–81
- Sackeim HA, Greenberg MS, Weiman AL *et al.* (1982) Hemispheric asymmetry in the expression of positive and negative emotions. *Arch Neurol* 39:210–18
- Sacks O (2009) *Musicofilia. Verhalen over muziek en het brein*. Amsterdam:Meulenhof
- Sader M, Harris HA, Waiter GD *et al.* (2024) Neural correlates of children with avoidant

restrictive food intake disorder symptoms: large-scale neuroanatomical analysis of a paediatric population. *JCPP* 2 Dec

Sadock BJ & Sadock VA (2004) Kaplan and Sadock's Comprehensive Textbook of Psychiatry (8th ed.). Maryland: Lippincott Williams & Wilkins

Safer D, Allen R & Barr E (1972) Depression of growth in hyperactive children on stimulant drugs. *New Engl J Med* 287:217–20

Saffran EM & Marin DSM (1975) Immediate memory for wordlists and sentences in a patient with deficient auditory short-term memory. *Brain Language* 2:420–33

Safi D, B  land R, Nguyen DK *et al.* (2016) Recruitment of the left precentral gyrus in reading epilepsy: A multimodal neuroimaging study. *Epilep Behav Case Rep* 5:19–22

Sagi-Dain L, Kurolap A, Ilivitzki A *et al.* (2019) A novel heterozygous loss-of-function DCC N-trin 1 receptor variant in prenatal agenesis of corpus callosum and review of the literature. *Am J Med Genet A* 182:205–12

Sagiuchi T, Ishii K, Aoki Y *et al.* (2001) Bilateral crossed cerebello-cerebral diaschisis and mutism after surgery for cerebellar medulloblastoma. *Ann Nucl Med* 15:157–60

Saigal S & Doyle LW (2008) An overview of mortality and sequelae of preterm birth from infancy to adulthood. *Lancet*. 371:261–9

Saigal S, Rosenbaum P, Szatmari P *et al.* (1992) Non-right handedness among ELBW and term children at eight years in relation to cognitive function and school performance.

Sailer L (2011) Dyslexia and music: toward a comprehensive pedagogy. *Thesis*, Univ Toledo

Saint-Anne Dargassies S (1974) *Le d  veloppement neurologique du nouveau-n      terme et pr  matur  *. Masson, Paris, pp 337

Saint-Anne Dargassies S (1977) Long-term neurological follow-up study of 286 truly premature infants. i: Neurological sequelae. *DMCN* 19:462–78

Saint-Anne Dargassies S (1979) Normality and normalization as seen in a long-term neurological follow-up of 286 truly premature infants. *Neurop  diat* 10:226–43

Sait-Cyr JA, Taylor AE & Lang AE (1988) Procedure learning en neostriatal dysfunction in man. *Brain* 111:941–59

Saito S & Ishio A (1998) Rhythmic information in working memory – effects of concurrent articulation on reproduction of rhythms. *Jap Psychol Res* 40:10–18

Saito Y, Aoyama S, Kondo T *et al.* (2007) Frontal cerebral blood flow change associated with infant-directed speech. *Arch Dis Childh* 92:113–16

Saitoh O, Karns CM & Courchesne E (2001) Development of the hippocampal formation from 2 to 42 years. MRI evidence of smaller area dentata in autism. *Brain* 124:1317–24

Saitsu H & Miyamoto S (2025) Genetic analysis of leukodystrophies in children: towards improved **diagnostic yield**. *Brain Dev*. **47:104378**

Sakai KL (2005) Language Acquisition and Brain Development. *Sci* 310: 815–19

Sakata H & Iwamura I [1979] Cortical processing of tactile information in the first somatosensory and parietal association areas in the monkey. In: G Gordon (ed) *Active touch*. Pergamon Press, Oxford, pp 55–73

Sakreida K, Effnert I, Thill S *et al.* (2016) Affordance processing in segregated parieto-frontal dorsal stream sub-pathways. *Neurosci Biobehav Rev* 69:89–112

Salamy A (1978) Commissural transmission: Maturational changes in humans. *Sci* 200:1409–11

Salamy A (1984) Maturation of the auditory brainstem response from birth through early childhood. *J Clin Neurophysiol* 3:293–329

Salas CE (2015) “No man is an island.” recent findings on the emotional consequences of insula damage. *Neuropsychosocial*. 17:175–80

Salati R, Borgatti R, Giammari G *et al.* (2002) Oculomotor dysfunction in cerebral visual impairment following perinatal hypoxia. *Dev Med Child Neurol* 44:542–50

Salekin RT (2017) Research Review: What do we know about psychopathic traits in children? *JCPP* 58:1180–1200

Sallee FR, Kollins SH, Wigal TL (2012) Efficacy of Guanfacine Extended Release in the Treatment of Combined and Inattentive Only Subtypes of Attention-Deficit/Hyperactivity Disorder. *J Child Adolesc Psychopharm* 22:206–14

Salman MS (2002) The cerebellum: It's about time! But timing is not everything – New insights into the role of the cerebellum in timing motor and cognitive tasks. *J Child Neurol* 17:1–9

Salmelin R, Schnitzler A, Schmitz F *et al.* (2000) Single word reading in developmental stutterers and fluent speakers. *Brain* 123:1184–202

Sambeth A, Ruohio K, Alku P *et al.* (2008) Sleeping newborns extract prosody from continuous speech. *Clin Neurophysiol*. 119:332–41

Sameroff AJ & Chandler M (1975) Reproductive risk and the continuum of caretaking casualty. In: Horowitz FD, Hetherington M *et al.* (eds) *Review of child development Research vol iv*. Univ of Chicago Press, Chicago pp 187–244

Sameroff AJ (1976) Early influences on development: Fact or fancy? In: Chess S & Thomas A (eds) *Annual progress in child psychiatry, vol 9*. Brunner/Mazel, New York

Samsom JF, de Groot L, Cranendonk A *et al.* (2002) Neuromotor function and school performance in 7-year-old children born as high-risk preterm infants. *J Child Neurol* 17:325–32

Samson S & Zatorre RJ (1994) Contribution of the right temporal lobe to musical timbre discrimination. *Neuropsychol* 32:231–40

Samuels CA (1986) Bases for the infant's developing self-awareness. *Hum Dev* 29:36–48

Sandberg S (1986) Overactivity: behaviour or syndrome? In: Taylor EA (ed) *The overactive child*. Clin Dev Med no 97, Spast Int Med Publ, Blackwell, Oxford and Lippincott, Philadelphia, pp 41–72

Sanders-Woudstra JAR, Verhulst FC & de Witte HFJ (1995) *Kinder- en jeugdpsychiatrie. dl I: Psychopathologie en behandeling*. Verhulst FC en Verheij F dl II (2003) *Onderzoek en diagnostiek*. Verheij F & Verhulst FC dl III (1999)

Behandeling en begeleiding. Assen:Van Gorcum,

Sanes DH, Reh TA, Harris WA (2000) *Development of the nervous system*. Acad Press, New York, pp 500

Santaracchi E, Del Bianco C, Sicillia I *et al.* (2018) Age of Insomnia Onset Correlates with a Reversal of Default Mode Network and Supplementary Motor Cortex Connectivity.

Santaracchi E & Rossi S (2016) Advances in the Neuroscience of Intelligence: from Brain Connectivity to Brain Perturbation. *Span J Psychol* 19:E94

Santhouse AM, Frytche DH, Howard RJ *et al.* (2002) The functional significance of perinatal corpus callosum damage: An fMRI study in young adults. *Brain* 125:1782–92

Santucci H (1984) Epreuve graphique d'organisation perceptive pour enfants de 4    6 ans. in: R Zazzo: *Manuel pour l'examen psychologique de l'enfant*. Delachaux et Niestl  , Neuchatel, pp 403–429

Sapir E (1929) The status of linguistics as a science. *Language* 5:207–14

Sapolsky RM (1996) Why stress is bad for your brain. *Sci* 273:749–50

Sapozhnikov Y & Vermilion J (2023) Co-Occurring Anxiety in Youth with Tic Disorders: A Review. *J Child Adolesc Psychopharmacol*. 33:402–8

Sarimski K (1997) *Entwicklungspsychologie genetischer syndrome*. Hogrefe – Verlag f  r Psychologie, G  ttingen, 362p

Sarnat HB (2003) Functions of the corticospinal and corticobulbar tracts in the human newborn. *J Ped Neurol* 1:3–8

Sarnat HB (2000) Molecular genetic classification of central nervous system malformations. *J Child Neurol* 15:675–87

Saron CD & Davidson RJ (1989) Visual evoked potential measures of interhemispheric transfer time in humans. *Beh Neurosci* 103:1115–38

Sass L & Parnas J (2017) Thought Disorder, Subjectivity, and the Self. *Schizo Bull*. 43:497–502

Satterfield JH, Cantwell DP, Lesser LI *et al.* (1972) Psychological studies of the hyperkinetic child. *Am J Psychiat* 128:102–8

Satterfield JH, Cantwell DP & Satterfield BT (1974) Pathophysiology of the hyperactive child syndrome. *Arch Gen Psychiat* 31:839–44

Satterfield JH & Braley BW (1977) Evoked potentials and brain maturation in hyperactive and normal children. *EEG Clin Neurophysiol* 43:43–51

Satterfield JH, Cantwell DP, Schell A *et al.* (1979) Growth of hyperactive children treated with methylphenidate. *Arch Gen Psychiat* 36:212–17

Satterfield JH & Dawson ME (1971) Electrodermal correlates of hyperactivity in children. *Psychophysiol* 8:191–97

Satterstrom FK, Kosmicki JA, Wang J *et al.* (2020) Large-scale exome sequencing study implicates both developmental and functional changes in the neurobiology of autism. *Cell* 180:568–84

- Satz P (1972) Pathological left-handedness, an explanatory model. *Cortex* 8:121–37
- Satz P, Orsini DL & Saslow E (1985) Early brain injury and pathological left-handedness: Clues to a syndrome. In: Benson DF & Zaidel E (eds) *The dual brain. Hemispheric specialization in humans*. The Guilford Press, London, pp 117–25
- Satz P & Sparrow S (1970) Specific developmental dyslexia: A theoretical formulation In: Bakker D & Satz P (eds) *Specific reading disability*. Univ Pers Rotterdam, Rotterdam pp 17–40
- Satz P, Taylor G, Friel J *et al.* (1978) Some developmental and predictive precursors of reading disabilities: A six year follow-up. In: Benton AL & Pearl D (eds) *Dyslexia. An appraisal of current knowledge*. Oxford University Press, New York, pp 313–48
- Sauerwein HC, Nolin P & Lassonde L (1994) Cognitive functioning in callosal agenesis. In: Lassonde M & Jeeves M (eds) *Callosal agenesis: A natural split-brain?* Plenum Press, New York, pp 221–34
- Saul J, Griffiths S & Norbury CF (2023) Prevalence and functional impact of social (pragmatic) communication disorders. *JCPP* 64:376–87
- Sauvage D, Adrien JL, Barthelemy C *et al.* (1984) *Autisme du nourrisson et du jeune enfant (0–3 ans); Signes précoces et diagnostic*. Congres de psychiatrie et de neurologie de langue française, Luxembourg, Masson, Paris
- Sauver JLS, Katusic SK, Barbaresi WJ *et al.* (2001) Boy/girl differences in risk for reading disability: potential clues? *Am J Epidemiol* 154:787–94
- Savic I, Garcia-Falgueras A & Swaab DF (2010). Sexual differentiation of the human brain in relation to gender identity and sexual orientation. *Progr Brain Res*, 186:41–62
- Sawangjit A, Oyanedel CN & Niethard N (2018) The hippocampus is crucial for forming non-hippocampal long-term memory during sleep. *Nature* 564:109–13
- Saxby L & Bryden MP (1985) Left visual-field advantage in children for processing visual emotional stimuli. *Dev Psychol* 21:253–61
- Scamvougeras A, Kigar DL, Jones D *et al.* (2003) Size of the human corpus callosum is genetically determined: an MRI study in mono and dizygotic twins. *Neurosci Letters* 338:91–4
- Scassellati BM (2001) *Foundations for a theory of mind for a humanoid robot*. Thesis Mass Inst Techn, USA
- Scantlebury N, Cunningham T, Dockstad C *et al.* (2014) Relations between White Matter Maturation and Reaction Time in Childhood. *J Int Neuropsychol Soc* 20:99–112
- Schaaf M (1988) Motorische Aktivität und verbale Lernleistung- Leistungssteigerung durch Simultanität. *Exp Angew Psychol* 35:298–302
- Schachar RJ (1986) Hyperkinetic syndrome: historical development of the concept. In: Taylor EA (ed) *The overactive child*. Clin Dev Med 97, SIMP, Blackwell, Oxford & Lippincott, Philadelphia, pp 19–40
- Schacter DL & Moscovitch M (1984) Infants, Amnesics, en Dissociable Memory Systems. In: Moscovitch M (ed) *Infant memory. Advances in the study of communication en affect, vol 9*. New York: Plenum Press, pp 173–216
- Schacter DL & Tulving E (eds 1994) *Memory systems 1994*. MIT Press, London
- Schadé JP & van Groenigen DB (1961) Structural organization of the human cerebral cortex. I. Maturation of the middle frontal gyrus. *Acta Anat* 47:47–111
- Schaefer GB, Bodensteiner JB & Thompson JN (1994) Subtle anomalies of the septum pellucidum and neurodevelopmental deficits. Annotation. *DMCN* 36:554–59
- Schaerlaekens AM (1980) *De taalontwikkeling van het kind*. Groningen, Wolters-Noordhoff
- Schaffer Y, Ben Zeev B, Cohen R *et al.* (2015) Auditory verbal memory and psychosocial symptoms are related in children with idiopathic epilepsy. *Epilepsia* 56:53–60
- Schalkwijk F & Tiemersma J (2022) In Lindauer R & Staal W (red.) 2022 *Handboek Kinder- en jeugdpsychiatrie*. Amsterdam: Boom uitg.
- Schardein JL (1985) *Chemically induced birth defects*. Marcel Dekker, New York
- Scharoun SM & Bryden PJ (2014) Hand preference, performance abilities, and hand selection in children. *Front Psychol* 18: 82
- Scharoun SM & Bryden P (2015) Is strength of handedness reliable over repeated testing? An examination of typical development and autism spectrum disorder. *Front Psychol* 6:17
- Scheffer IE, Bennett CA, Gill D *et al.* (2023) Exome sequencing for patients with developmental and epileptic encephalopathies in clinical practice. *DMCN* 65:50–7
- Scheffer IE, Jones L, Pozzebon M *et al.* (1995) Autosomal dominant rolandic epilepsy and speech dyspraxia: A new syndrome with anticipation. *Ann Neurol* 38:633–42
- Scheffers M, Kalisvaart H, van Busschbach JT *et al.* (2018) Body image in patients with somatoform disorder. *BMC Psychiat* 18:346–54
- Scheibel AB (1990) Dendritic correlates of higher cognitive function. In A B Scheibel & A.F Wechsler (Eds.), *Neurobiology of higher cognitive function* (pp. 239–270). New York: Guilford Press
- Scheibel AB, Fried I, Paul L *et al.* (1985) Differentiating characteristics of the human speech cortex: A quantitative Golgi study. In: Benson FD & Zaidel E (eds) *The dual brain*. The Guilford Press, New York NY, pp 65–74
- Scheinost D, Lacadie C, Vohr BR *et al.* (2015) Cerebral Lateralization is Protective in the Very Prematurely Born Cereb. *Cortex* 25:1858–66
- Scheirs JGM (1990) Relationships between the direction of movements and handedness in children. *Neuropsychol* 28:743–48
- Schenkenberg T, Bradford DC & Ajax ET (1980) Line bisection and unilateral visual neglect in patients with neurologic impairment. *Neurol* 30:509–17
- Schifter T, Hoffman JM, Hatten Jr P *et al.* (1994) Neuroimaging in infantile autism. *J Child Neurol* 9:155–61
- Schilder P (1923) Das Körperschema: Ein Beitrag zur Lehre vom Bewusstsein des Eigenen Körpers. Berlin: Springer-Verlag
- Schilder P (1935) The Image and Appearance of the Human Body: Studies in the Constructive Energies of the Psyche. *Psychology Press*. p. 11.
- Schiffer F, Teicher MH, Anderson C *et al.* (2007) Determination of hemispheric emotional valence in individual subjects: A new approach with research and therapeutic implications. *Behav Brain Func* 3:13
- Schijven D, Soheili-Nezhad S, Fisher SE *et al.* (2023) Exome-wide analysis implicates rare protein-altering variants in human handedness. *Naure Comm* 15:2632
- Schlaug G, Jäncke L, Huang Y *et al.* (1995) In vivo evidence of structural brain asymmetry in musicians. *Sci* 267:699–701
- Schlegel AA, Rudelson JJ & Tse PU (2012) White matter structure changes as adults learn a second language. *J Cogn Neurosci* 24:1664–70
- Schiottz-Christensen E & Bruhn P (1973) Intelligence, behaviour and scholastic achievement subsequent to febrile convulsions: An analysis of discordant twin-pairs. *DMCN* 15:565–75
- Schluter ND, Krams M, Rushworth MFS *et al.* (2001) Cerebral dominance for action in the human brain: The selection of actions. *Neuropsychol* 39:105–13
- Schluter ND, Rushworth MFS, Passingham RE *et al.* (1998) Temporary interference in human lateral premotor cortex suggest dominance for the selection of movements. *Brain* 121:785–99
- Schmahmann JD (ed 1997) *The cerebellum and cognition*. New York: Academic Press,
- Schmahmann JD & Sherman JC (2013) The cerebellar cognitive affective syndrome Brain 121:561–79
- Schmiedeberg M (1947) The treatment of psychopaths and Borderline patients. *Am J Psychother* 1:45–70
- Schmidt MH, Althoff A & Allehoff EW (1981) Selektion diagnostischer Merk-male dargestellt an der neurologisch-motoskopischen Untersuchung Achtjähriger. *Z Kinder-Jugendpsychiat* 9:423–34
- Schmidt RA (1982) Motor control and learning, see Lee TD & Schmidt RA Motor Learning and Memory. In HL Roediger, III (Ed.), *Cognitive Psychology of Memory*. Vol. [2] of Learning and Memory: A Comprehensive Reference, 4 vols. (J Byrne Ed), pp. [645–62] Oxford:Elsevier.
- Schmidt R, LaFleur KJ, de Reus MA, *et al.* (2015) Kuramoto model simulation of neural hubs and dynamic synchrony in the human cerebral connectome. *BMC Neurosci* 16:54
- Schmidt-Kastner R & Freund TF (1991). Selective vulnerability of the hippocampus in brain ischemia. *Neurosci* 40: 599–636
- Schmithorst VJ, Holland SK & Dardzinski BJ (2008). Developmental differences in white matter architecture between boys and girls. *Hum Brain Map*, 29:696–710
- Schmithorst VJ, Wilke M, Dardzinski BJ *et al.* (2002) Correlation of white matter diffusivity and anisotropy with age during childhood and adolescence: a cross-sectional diffusion-tensor MR imaging study. *Radiol* 222:212–18
- Schmitt JE, Eliez S, Bellugi U *et al.* (2001) Analysis of cerebral shape in Williams syndrome. *Arch Neurol* 58:283–7
- Schmitt JE, Watts K, Eliez S *et al.* (2002) Increased gyrification in Williams syndrome: Evidence using 3D MRI methods. *DMCN* 44:292–5

- Schmitz J, Zheng M, Lui KFH *et al.* (2022) Quantitative multidimensional phenotypes improve genetic analysis of laterality traits. *Transl Psychiat* 12:68
- Schneck CM & Henderson A (1990) Descriptive analysis of the developmental progression of grip position for pencil and crayon control in nondysfunctional children. *Am J Occup Ther* 44:893–900
- Schneider F, Bermpohl F, Heinzel A *et al.* (2008) The resting brain and our self: self-relatedness modulates resting state neural activity in cortical midline structures. *Neurosci* 157:120–31
- Schneider GE (1979) Is it really better to have your brain lesion early? A revision of the “Kernard Principle.” *Neuropsychol* 17:557
- Schneider W & Shiffrin RM (1977) Controlled and automatic human information processing: i. Detection, search and attention. *Psychol Rev* 84:1–16
- Schnider A, Hanlon RE, Alexander DN *et al.* (1997) Ideomotor apraxia: Behavioral dimensions and neuroanatomical basis. *Brain Lang* 58:125–36
- Schoeman J, Wait J, Burger M *et al.* (2002) Long-term follow up of childhood tuberculous meningitis. *DMCN* 44:522–6
- Schoemaker MM, van der Wees M, Flapper B *et al.* (2001) Perceptual skills of children with developmental coordination disorder. *Hum Mov Sci* 20:111–33
- Schofield WN (1976) Hand movements which cross the body midline: Findings relating age differences to handedness. *Perc Mot Skills* 42:643–46
- Scholz CO, Merlin Monzel M, Liu J (2025) Against Unconscious Mental Imagery in Aphantasia. *PsyArXiv*. doi.org/10.31234/osf.io/enwks
- Schopler E & Reichler RJ (1982) *Geïndividualiseerd onderzoek en behandeling van kinderen met autisme en andere stoornissen* (pep). Nijmegen
- Schopler E, Reichler RJ, DeVellis R *et al.* (1980) Towards objective classification of childhood autism: Childhood Autism Rating Scale (CARS). *J Autism Dev Disord* 10:91–103
- Schore A (1994) *Affect Regulation and the Origin of the Self: The Neurobiology of motional Development*. Hillsdale NJ: Lawrence Erlbaum Ass
- Schore AN (2003a) The human unconscious: the development of the right brain and its role in early emotional life. In: *Emotional development in psychoanalysis, attachment theory and neuroscience*, ed. V. Green, New York: Brunner-Routledge, pp. 23–55
- Schore AN (2003b) *Affect regulation and the repair of the self*. New York: Norton and Cy. pp. 205–278
- Schore AN (2003c) *Affect regulation and disorders of the self*. New York: Norton and Cy. pp. 54–70, 89–265
- Schore AN (2009) Relational trauma and the developing right brain. An interface of psychoanalytic self psychology and neuroscience. *Ann of the New York Acad Sci* 1159: 189–203
- Schore JR & Schore AN (2008) Modern attachment: the central role of affect regulation in development and treatment. *Clin Socio Work* 36:9–20
- Schouten A & Oostrom K (2001) *Cognition and behaviour of schoolchildren with newly diagnosed idiopathic or cryptogenic epilepsy*. Thesis (12 articles of the authors), Utrecht
- Schouten A, Oostrom KJ, Pestman WR *et al.* (2002) Learning and memory of school children with epilepsy: A prospective controlled longitudinal study. *DMCN* 44:803–11
- Schraegle WA, Nussbaum NL, DeLeon RC *et al.* (2022) Neuropsychological Phenotypes in Pediatric Temporal Lobe Epilepsy. *J Int Neuropsychol Soc*. 28:916–25
- Schraegle WA, Nussbaum NL, Titus JB (2018) Executive Dysfunction and Depression in Pediatric Temporal Lobe Epilepsy: The Contribution of Hippocampal Sclerosis and Psychosocial Factors. *JINS* 24:606–16
- Schrander-Stumpel CTRM, Curfs LMG, van Ree JW (2005) *Klinische genetica*. Houten: BSL
- Schreier H, Rapin I & Davis J (1974) Familial megalencephaly or hydrocephalus? *Neurol* 24:232–6
- Schreiner MJ, Karlsgodt KH, Uddin LQ *et al.* (2014) Default mode network connectivity and reciprocal social behavior in 22q11.2 deletion syndrome. *Soc Cogn Affect Neurosci* 9:1261–7
- Schröder A, Vulink N & Denys D (2013) Misophonia: diagnostic criteria for a new psychiatric disorder. *PLoS One* 8:e54706
- Schulte T & Müller-Oehring EM (2010) Contribution of Callosal Connections to the Interhemispheric Integration of Visuomotor and Cognitive Processes. *Neuropsychol Rev*. 20:174–90
- Schulz A (2020) Enhancing thoughts: Culture, technology, and the evolution of human cognitive uniqueness. *Mind Lang*. Portico. doi.org/10.1111/mila.12320
- Schultz RT, Grelotti DJ, Klin A *et al.* (2003) The role of the fusiform face area in social cognition: Implications for the pathobiology of autism. *Phil Trans R Soc Lond B* 358:415–27
- Schulze K, Vargha-Khadem F & Mishkin M (2018) Phonological working memory and FOXP2. *Neuropsychol* 108:147–52
- Schumann JH (1999) *The Neurobiology of Affect in Language. The Neurobiology of Affect in Language*. Michigan: Wiley-Blackwell
- Schuppert M, Münte ThF, Wieringa BM *et al.* (2000) Receptive amusia: Evidence for cross-hemispheric neural networks underlying music processing strategies. *Brain* 123:546–59
- Schur SB, Sikich L, Findling RL *et al.* (2003) Treatment recommendations for the use of antipsychotics for aggressive youth (T R A A Y) Part I: a review. *JAACAP* 42:132–44
- Schütz-Bosbach S, Avenanti A, Aglioti SM & Haggard P (2009) Don't do it! Cortical inhibition and self-attribution during action observation. *J Cogn Neurosci* 21:1215–27
- Schütz-Bosbach S, Mancini B, Aglioti SM & Haggard P (2006) Self and other in the human motor system. *Current Biol* 16:1830–4
- Schwarz G & Keestra M (2014) *Emotions. Pain and pleasure in Dutch painting of the Golden Age*. Catalogus Frans Hals museum. Rotterdam: Barbera van Kooij, N A T O I O Publishers
- Schweizer R, Voit D & Frahm J (2008) Finger representations in human primary somatosensory cortex as revealed by high-resolution functional MRI of tactile stimulation. *NeuroImage* 42:28–35
- Schwobel J, Friedman R, Duda N *et al.* (2001) Pain and the body schema. Evidence for peripheral effects on mental representations of movement. *Brain* 124:2098–2104
- Scott JA, Mills Schumann C, Goodlin-Jones BL *et al.* (2009) A comprehensive volumetric analysis of the cerebellum in children and adolescents with autism spectrum disorder. *Autism Res*. 2:246–57
- Scott SK, Blank CC, Rosen S *et al.* (2000) Identification of a pathway for intelligible speech in the left temporal lobe. *Brain* 123:2400–6
- Scott MW, Wood G, Holmes PS, Williams J *et al.* (2021) Combined action observation and motor imagery: An intervention to combat the neural and behavioural deficits associated with developmental coordination disorder. *Neurosci Biobehav Rev*. 127:638–46
- Scoville WB & Milner B (1982) Loss of recent memory after bilateral hippocampal lesions. *J Neurol Neurosurg Psychiat* 20:11–21
- Sciberras E, Hiscock H, Cortese S *et al.* (2023) Variation in sleep profiles in children with ADHD and associated clinical characteristics. *JCPP* 64:1462–69
- Seeley WW, Menon V, Schatzberg AF, *et al.* (2007). Dissociable intrinsic connectivity networks for salience processing and executive control. *J Neurosci* 27:2349–56
- Segalowitz SJ (1983) Cerebral asymmetry for speech in infancy. In: SJ Segalowitz (ed) *Language functions and brain organization*. Academic Press, New York, pp 221–29
- Segalowitz (1986) Validity and reliability of noninvasive lateralization measures. In Obrzut JE & Hynd GW (Eds) *Child Neuropsychology: Voll: Theory and research*. pp191–208, Academic Press, Orlando
- Segalowitz SJ (2000) Predicting child language impairment from too many variables: Overinterpreting stepwise discriminant function analysis. *Brain Lang* 71: 337–343
- Segalowitz SJ & Rapin I (eds, 1993) *Handbook of Neuropsychology vol.7*, [Child Neuropsychology, part 2]. Elsevier, Amsterdam (see Rapin)
- Seghier ML (2013) The angular gyrus: multiple functions and multiple subdivisions. *Neuroscientist* 19:43–61
- Seghier ML & Huppi PS. (2010) The role of functional magnetic resonance imaging in the study of brain development, injury, and recovery in the newborn. *Semin Perinatol* 34:79–86
- Seidenberg M, Beck N, Geisser M *et al.* (1986) Academic achievement of children with epilepsy. *Epilepsia* 27:753–59
- Seidl AH, Indarjit M, Borovsky A (2024) Touch to learn: Multisensory input supports word learning and processing. *Dev Sci*:e13419
- Seidman LJ, Benedict KB, Biederman J *et al.* (1995) Performance of children with ADHD the Rey–Osterrieth complex figure: A pilot neuropsychological study. *JCPP* 36:1459–73.

- Selnes OA (2000) The ontogeny of cerebral language dominance. *Brain Lang* 71:217–20
- Semenova LK, Vasilyeva VA & Tsechmistrenko TA (1993) Structural Transformations of the Cerebral Cortex in Postnatal Ontogenesis. In: Farber D and Njokiktjien C (Eds) *Pediatric behavioural Neurology, vol 4. Developing Brain and Cognition*. Suyi Publications, Amsterdam, pp 9–43
- Semenza C (1988) Impairment in localization of body parts following brain damage. *Cortex* 24:443–9
- Senden M, Reuter N & van den Heuvel MP (2018) Task-related effective connectivity reveals that the cortical rich club gates cortex-wide communication. *Hum Brain Mapp* 39:1246–62
- Senf GM & Freundl PC (1971) Memory and attention factors in specific learning disabilities. *J Learn Disab* 4:36–48
- Senoir K (2000) Autism: progress and priorities. *Lancet* 356:490
- Sereno AB & Kosslyn SM (1991) Discrimination within and between hemifields: A new constraint on theories of attention. *Neuropsychol* 29:659–75
- Sergeant J (1985) In search of processing deficits of attention in addh children. In: J Swanson and LM Bloomingdale (eds) *Emerging trends in research on attention deficit disorders*. Spectrum, New York
- Sergeant J, Geurts H & Oosterlaan J (2002) How specific is a deficit of executive functioning for Attention-Deficit/Hyperactivity Disorder? *Behav Brain Res* 130:3–28
- Sergeant J (1982) The cerebral balance of power: Confrontation or cooperation? *J Exp Psychol: Hum Perc Perform* 8:253–72
- Sergeant J (1986) Prolegomena to the use of the tachistoscope in neuropsychological research. *Brain Cogn* 5:127–30
- Sergeant J (1987) A new look at the human split brain. *Brain* 110:1375–92
- Sergeant J & Hellige JB (1986) Role of input factors in visual field asymmetries. *Brain Cogn* 5:174–99
- Sergeant V, Hellige JB & Cherry B (1993) Effects of responding hand and concurrent verbal processing on time-keeping and motor-implementation processes. *Brain Cogn* 23:243–62
- Seri S, Cerquiglini A & Pisani F (1998) Spike-induced interference in auditory sensory processing in Landau-Kleffner syndrome. *Electroencephal Clin Neurophysiol* 108:506–10
- Serlier van den Bergh A (2002) *Development and validation of the Dutch nonverbal learning disorder disabilities scale plus the Dutch pre-school nonverbal learning disorder disabilities scale*. Thesis, Kath Univ Tilburg
- Seron X & Jeannerod M (1994) *Neuropsychologie humaine*. Mardaga, Liège
- Serratrice G & Habib M (1993) *L'écriture et le cerveau. Mécanismes neuro-phy-siologiques*. Masson, Paris
- Serrien DJ (2016) Commentary: Cerebral lateralization is protective in the very prematurely born. *Front Psychol* 7:903
- Serrien DJ, Nirkko AC, Wiesendanger M (2001) Role of the corpus callosum in bimanual coordination: a comparison of patients with congenital and acquired callosal damage. *Eur J Neurosci* 14:1897–905
- Serrien DJ & Sovijärvi-Spapé MM (2015) Hemispheric asymmetries and the control of motor sequences. *Behav Brain Res* 283:30–6
- Serrien DJ & Sovijärvi-Spapé MM (2016) Manual dexterity: Functional lateralisation patterns and motor efficiency. *Brain Cogn* 108:42–46
- Serrien DJ & Sovijärvi-Spapé MM, Rana G (2014) Developmental Changes in Motor Control: Insights From Bimanual Coordination. *Dev Psychol* 50:316–23
- Serrien DJ & Wiesendanger M (2000) Temporal control of a bimanual task in patients with cerebellar dysfunction. *Neuropsychol* 38:558–65
- Seth AK (2013) Interoceptive inference, emotion, and the embodied self. *TICS*, 17:565–73
- Seth A (2021) BEING YOU a new science of consciousness. London: Faber & Faber.
- Seth A (2025) Conscious artificial intelligence and biological naturalism. *Behav Brain Sci*. Online:1–42
- Setiawan E, Jackson MF, Macdonald JF *et al.* (2007) Effects of repeated prenatal glucocorticoid exposure on LTP in the juvenile guinea pig hippocampus. *J Physiol* 581:1033–42
- Sforza A & Blanke O (2012) Autoscopic Phenomena: Clinical and Experimental Perspectives. Chapter 12 In SC Blom & IEC Sommer,(eds). *Hallucinations*. New York: Springer
- Sha Z, Wager TD, Mechelli A *et al.* (2019) Common Dysfunction of Large-Scale Neurocognitive Networks Across Psychiatric Disorders. *Biol Psychiat* 85:379–388
- Shadmehr R & Holcomb HH (1997) Neural correlates of motor memory consolidation. *Sci* 277:821–5
- Shafer SQ, Shaffer D, O'Connor PA *et al.* (1984) Hard thoughts on neurological 'soft signs'. In: M Rutter (ed) *Developmental neuropsychiatry*. Churchill Livingstone, Edinburgh, pp 133–43
- Shafer SQ, Stokman CJ, Shaffer D *et al.* (1986) Ten-year Consistency in neurological test performance of children without focal neurological deficit. *DMCN* 28:417–27
- Shaffer D, O'Connor PA, Shafer SQ, *et al.* (1984) Neurological 'soft signs': their origins and significance for behavior. In: Rutter M (ed) *Developmental Neuropsychiatry*. Churchill Livingstone, Edinburgh, pp 144–63
- Shafir Y & Prensley AL (1995) Acquired epileptiform opercular syndrome: A second case report, review of the literature, and comparison to the Landau-Kleffner syndrome. *Epilepsia* 36:1050–7
- Shah A & Frith U (1993) Why do autistic individuals show superior performance on the block design task? *JCPP* 34:1351–64
- Shah P, Bird G & Cook R (2016) Face processing in autism: Reduced integration of cross-feature dynamics. *Cortex* 75:113–19
- Sha Z, Wager TD, Mechelli A *et al.* (2019) Common Dysfunction of Large-Scale Neurocognitive Networks Across Psychiatric Disorders. *Biol Psychiat*. 85:379–88
- Shakeshaft A, Heron J, Blakey R *et al.* (2023) Co-development of attention deficit hyperactivity disorder and autistic trait trajectories from childhood to early adulthood. *JCPP* 64:1596–07
- Shalev R & Gross-Tsur V (2001) Developmental dyscalculia. *Pediatr Neurol* 24:337–42
- Shalev R, Manor O, Amir N *et al.* (1993) The acquisition of arithmetic in normal children: Assessment by a cognitive model of dyscalculia. *DMCN* 35:593–601
- Shalev RS & Von Aster G (2008) Identification, classification, and prevalence of developmental dyscalculia. *Encyclop Lang Lit Dev* (pp. 1–9
- Shalev R, Weirman R & Amir N (1988) Developmental dyscalculia. *Cortex* 24:555–61
- Shallice T (2001) *'Theory of mind' and the prefrontal cortex*. Oxford University Press 247–8
- Shapiro AK, Shapiro ES, Young JG *et al.* (1988) *Gilles de la Tourette Syndrome*. 2nd ed. Raven Press, New York
- Shapiro EG & Dotan N (1986) Neurological findings and the Kaufman assessment battery for children. *Dev Neuropsychol* 2:51–64
- Sharda M, Foster NEV, Tryfon A *et al.* (2017) Language Ability Predicts Cortical Structure and Covariance in Boys with Autism Spectrum Disorder. *Cereb Cortex* 27:1849–62
- Sharma A, Kraus N, McGee TJ *et al.* (1997) Developmental changes in P1 and N1 central auditory response elicited by consonant-vowel syllables. *EEG Clin Neurophysiol* 104:540–45
- Sharp SJ & D'Cruz O'NF (2000) Narcolepsy in a 12-month-old boy. *J Child Neurol* 15:145–6
- Shaywitz BA, Cohen DJ & Bowers MB (1977) CSF monoamine metabolites in children with Minimal Brain Dysfunction" Evidence for alteration of brain dopamine. *J Pediatr* 90:67–71
- Shaywitz BA, Fletcher JM & Shaywitz SE (1995) Defining and classifying learning disabilities and attention-deficit/hyperactivity disorder. *J Child Neurol* 10:50–57
- Shaywitz BA, Shaywitz SE, Pugh KR *et al.* (2001) The neurobiology of dyslexia. *Clin Neurosci Res* 1: 291–9
- Shaywitz BA, Shaywitz SE, Pugh KR *et al.* (2002) Disruption of posterior brain systems for reading in children with developmental dyslexia. *Biol Psychiat* 52:101–10
- Shaywitz S (2003) *Overcoming dyslexia: A new and complete science-based program for reading problems at any level*. Alfred A. Knopf, New York
- Shaywitz SE & Shaywitz BA (1987) Attention deficit disorder: Current perspectives. *Pediatr Neurol* 3:129–35
- Shaywitz SE & Shaywitz BA (2005) Dyslexia (specific reading disability). *Biol Psychiat* 57:1301–9
- Shaywitz SE, Shaywitz BA, Cohen DJ *et al.* (1984) Monoaminergic mechanisms in hyperactivity. In: M Rutter (ed) *Developmental neuropsychiatry*. Churchill Livingstone, Edinburgh, pp 330–47
- Shaywitz SE, Shaywitz BA, Fulbright RK *et al.* (2003) Neural systems for compensation and persistence: Young adult outcome of childhood reading disability. *Biol Psychiat* 54:25–33
- Shearer ML & Finch SM (1964) Periodic organic psychosis associated with recurrent herpes simplex. *Nw Engl J Med* 271:494–96

- Sheets-Johnstone M (2010) on Movement. Somatic Perspectives May 2010
- Sheets-Johnstone M (2011) *The primacy of movement*. Philadelphia: Benjamins
- Sheets-Johnstone M (2011a) Embodied minds or mindful bodies? A question of fundamental, inherently inter-related aspects of animation. *Subjectivity*, 4: 451–66
- Shen M, Li DD, Keown CL *et al.* (2016) Functional Connectivity of the Amygdala Is Disrupted in Preschool-Aged Children With Autism Spectrum Disorder. *JAACAP* 55:817–24
- Shenker JI & Banich M (2000) *The modulation of attentional capacity in the Stroop task by communication between the cerebral hemispheres*.
- Shenoy S, Arnold S & Chatila T (2000) Response to steroid therapy in autism secondary to autoimmune lymphoproliferative syndrome. *J Pediatr* 136:682–7
- Sheppard DM, Bradshaw JL, Georgiou N *et al.* (2000) Movement sequencing in children with Tourette's syndrome and attention deficit hyperactivity disorder. *Movement Disord* 15:1184–93
- Sheridan MK, Radlinski SS & Kennedy MD (1990) Developmental outcome in 49,xxxxx Klinefelter syndrome. *DMCN* 32:528–46
- Sherman LE, Rudie JD, Pfeifer, *et al.* (2014) Development of the default mode and central executive networks across early adolescence: a longitudinal study. *Dev Cogn Neurosci* 10:148–59
- Sherman M, Shapiro T & Glassman M (1983) Play and language in developmentally disordered preschoolers: A new approach to classification. *JAACAP* 22:511–24
- Shevell MI (1996) Acephalgic migraines of childhood. *Pediatr Neurol* 14:211–15
- Shevell MI, Carmant L & Meagher-Villemure K (1992) Developmental bilateral perisylvian dysplasia. *Pediatr Neurol* 8:299–302
- Shibasaki H & Nagae K (1984) Mirror movement: application of movement-related potentials. *Ann Neurol* 15:299–302
- Shields J (1979) Genetics and mental development. In: M Rutter (ed) *Scientific foundations of developmental psychiatry*. Heinemann, London, pp 8–24
- Shiffrin RM & Schneider W (1977) Controlled en Automatic Human Information Processing: ii Perceptual Learning, Automatic Attending en a General Theory. *Psychol Rev* 84:127–190
- Shimada S & Hiraki K (2006) Infant's brain responses to live and televised action. *Neuroimage* 32:930–9
- Shimada S, Hiraki K & Oda I (2005) The parietal role in the sense of self-ownership with temporal discrepancy between visual and proprioceptive feedbacks. *Neuroimage*, 24:1225–32
- Shimizu T, Nariai T, Maehara T *et al.* (2000) Enhanced motor cortical excitability in the unaffected hemisphere after hemispherectomy. *Neuroreport* 11:3077–84
- Shimoyama I, Ninchoji T & Uemura K (1990) The finger-tapping test: A quantitative analysis. *Arch Neurol* 47:681–84
- Shinnar S, Rapin I, Arnold S *et al.* (2001) Language regression in childhood. *Ped Neurol* 24:183–9
- Shortland AP (2018) Muscle tone is not a well-defined term. *Dev Med Child Neurol* 60:637
- Shprintzen RJ, Goldberg RB, Lewin ML *et al.* (1978) A new syndrome involving cleft palate, cardiac anomalies, typical facies, and learning disabilities. Velocardiofacial syndrome. *Cleft Palate J* 15:56–62
- Shriberg LD, Paul R, McSweeney JL *et al.* (2001) Speech and prosody characteristics of adolescents and adults with high-functioning autism and Asperger syndrome. *J Speech Lang Hearing Res* 44:1097–115
- Shucard DW & Horn JL (1973) Evoked potential amplitude change related to intelligence and arousal. *Psychophysiol* 10:445–52
- Shue KL & Douglas VI (1992) Attention deficit hyperactivity disorder and the frontal lobe syndrome. *Brain Cogn* 20:104–24
- Sibley MH, Arnold LE, Swanson JM *et al.* (2022) Variable Patterns of Remission From ADHD in the Multimodal Treatment Study of ADHD. *Am J Psychiat*. 179:142–51
- Sie LTL (2001) *Early MRI and outcome in perinatal hypoxic-ischemic white matter injury*. Thesis, Free University, Amsterdam
- Sie LTL, van der Knaap MS, van Wezel-Meijler G *et al.* (1997) MRI assessment of myelination of motor and sensory pathways in the brain of preterm and term-born infants. *Neuropediatr* 28:97–105
- Siebner HR, Limmer C, Peinemann A *et al.* (2002) Long-term consequences of switching handedness: a positron emission tomography study on handwriting in „converted“ lefthanders. *J Neurosci* 22: 2816–25
- Siegel DJ (2012) *The developing mind*. New York: The Guilford Press
- Siegel JM (2022) Sleep function: an evolutionary perspective. *Lancet Neurol*. 21:937–46
- Siegel JS, Subramanian S, Perry D *et al.* (2024) Psilocybin desynchronizes the human brain. *Nature* 632:131–8
- Siffredi V, Anderson V, McIlroy A *et al.* (2018) A Neuropsychological Profile for Agenesis of the Corpus Callosum? Cognitive, Academic, Executive, Social, and Behavioral Functioning in School-Age Children. *J Int Neuropsychol Soc*. 24:445–55
- Siffredi V, Liverani MC, Van De Ville D *et al.* (2023) Corpus callosum structural characteristics in very preterm children and adolescents: Developmental trajectory and relationship to cognitive functioning. *Dev Cogn Neurosci*. 60:101211
- Siffredi V, Spencer-Smith MM, Barrouillet P *et al.* (2017) Neural correlates of working memory in children and adolescents with agenesis of the corpus callosum: An fMRI study. *Neuropsychol* 106:71–82
- Sigman MD (1983) Individual differences in infant attention: Relations to birth status en intelligence at five years. In: T Field en A Sostek (eds) Infants born at risk: *Physiological, perceptual, and cognitive processes*. Grune Stratton, New York, 295–315
- Sigmundsson H, Hansen PC & Talcott JB (2003) Do 'clumsy' children have visual deficits. *Behav Brain Res* 139:123–9
- Sigurdsson E, Van Os J & Fombonne E (2002) Are impaired childhood motor skills a risk factor for adolescent anxiety? Results from the 1958 UK birth cohort and the National Child Development Study. *Am Psychiatr* 159:1044–6
- Silberman S (2015) *Neurotribes: the legacy of autism and the future of neurodiversity*. New York: Avery
- Siletti K, Hodge R, Albiach AM *et al.* (2023) Transcriptomic diversity of cell types across the adult human brain. *Science* 382, 6667 DOI: 10.1126/science.add7046
- Sillanpaa M (1981) Carbamazepine. Pharmacology and clinical uses. *Acta Neur Scand* 64:1–202
- Silveira-Moriyama L, Kovac S, Kurian MA *et al.* (2018) Phenotypes, genotypes, and the management of paroxysmal movement disorders. *DMCN* 60:559–65
- Silver PH & Jeeves MA (1994) Motor coordination in callosal agenesis. In: M Lassonde and M Jeeves (eds) *Callosal agenesis: A natural split-brain?* Plenum Press, New York, pp 207–20
- Silveri MC, Leggio MG & Molinari M (1994) The cerebellar contributes to linguistic production: A case of agrammatic speech following a right cerebellar lesion. *Neurol* 44:2047–55
- Silverman WK & Treffers PDA (eds 2001) *Anxiety disorders in children and adolescents*. Cambridge Un Press, Cambridge, UK, pp 402
- Simeon D & Abugiel J (2006) *Feeling unreal*. New York: Oxford Un. Press
- Simon N (1975) Echolalic speech in childhood autism. *Arch Gen Psychiat* 32:1439–46
- Simon JH, Holtas SL, Schiffer RB *et al.* (1986) Corpus callosum and subcallosal–periventricular lesions in multiple sclerosis:detection with MR. *Radiol* 160:363–67
- Simons WF, Fuggle PW, Grant DB *et al.* (1997) Educational progress, behaviour, and motor skills at 10 years in early treated congenital hypothyroidism. *Arch Dis Childhood* 77:219–22
- Simos PG, Breier JI, Fletcher J *et al.* (2000) Brain activation profiles in dyslexic children during non-word reading: A magnetic source imaging study. *Neurosci Letters* 290:61–5
- Sims ACP (1988) Towards the unification of body image disorders. *Br J Psychiat* 153:51–6
- Sinclair DB & Snyder ThJ (2005) Corticosteroids for the Treatment of Landau-Kleffner Syndrome and Continuous Spike-Wave Discharge During Sleep. *Ped Neurol* 32:300–6
- Singer HNG, Bellugi U, Bates E, *et al.* (1997) Contrasting profiles of language development in children with Williams and Down syndromes. *Dev Neuropsychol* 13:345–70
- Singer HV (2000) Current issues in Tourette syndrome. *Movement Disord* 15:1051–63
- Singer LT, Arendt R, Minnes S *et al.* (2001) Developing language skills of cocaine-exposed infants. *Pediatr* 107:1057–64
- Singer LT, Siegel AC, Lewis B *et al.* (2001) Pre-school language outcomes of children with history of bronchopulmonary dysplasia and very low birth weight. *J Dev Behav Pediatr* 22:19–26

- Singer W (1986) Activity dependent self-organization of synaptic connections as a substrate of learning. In: Changeux IP & Konishi M (eds) *Neural en molecular mechanisms of learning*. Dahlem Conferences. Springer, Berlin Heidelberg New York Tokyo
- Singer W (1986b) The Brain as a Self-organizing System. *Eur Arch Psychiatr Neurol Sci* 236:4–9
- Singer W (1986c) Synchronization of cortical activity and its putative role in information processing and learning. *Ann Rev Physiol* 55:349–74
- Singer W (2001) Consciousness and the binding problem. *Ann N Y Acad Sci* 929:123–46
- Singer W (2006) *Vom Gehirn zum Bewusstsein*. Frankfurt am Main: Suhrkamp
- Singh MK, Leslie SM & Packer MM (2018) Limbic Intrinsic Connectivity in Depressed and High-Risk Youth. *JAACAP* 57:775–85
- Siqueiros Sanchez M, Falck-Ytter T, Kennedy DP *et al.* (2020) Volitional eye movement control and ADHD traits: a twin study. *JCPP*
- Sjöberg RL (2024) The readiness potential and the soul: what happens when you resect their seat in the brain? *Brain*, 147; 2267–9
- Skagerlund K & Träff U (2016) Number processing and heterogeneity of developmental dyscalculia: Subtypes with different cognitive profiles and deficits. *J Learn Disab* 49:36–50
- Skinner BF (1953) *Science and human behaviour*. Macmillan, New York
- Skinner BF (1983) *A matter of consequence*. AA Knopf, New York
- Skinner RA & Piek JP (2001) Psychosocial implications of poor motor coordination in children and adolescents. *Hum Mov Sci* 20:73–94
- Skipper JL, Goldin-Meadow S, Nusbaum HC *et al.* (2007) Speech-associated gestures, Broca's area, and the human mirror system. *Brain Lang* 101:260–77
- Skouteli HN, Dubowitz LMS, Levene MI *et al.* (1985) Predictors for survival and normal neurodevelopmental outcome of infants weighing less than 1001 grams at birth. *DMCN* 27:588–95
- Skovgaard AM, Houmann T, Christiansen E *et al.* (2007). The prevalence of mental health problems in children 1½ years of age – the Copenhagen Child Cohort 2000. *J Child Psychol Psychiatr* 48:62–70
- Skylark W & Meck WH (2016) Temporal cognition: Connecting subjective time to perception, attention, and memory. *Psychol Bull* 142:865–907
- Slaats-Willemse D, Swaab-Barneveld H & de Sonneville L (2003) Deficient response inhibition as a cognitive endophenotype of ADHD. *JAACAP* 42:1242–48
- Slade A, Grienberger J, Bernbach *et al.* (2005) Maternal reflective functioning, attachment and the transmission gap: A preliminary study. *Attachm Hum Dev* 7:283–98
- Slaghuis WL, Lovegrove WJ & Davidson JA (1993) Visual and language processing deficits are concurrent in dyslexia. *Cortex* 29:601–15
- Slaghuis WL & Ryan JF (1999) Spatio-temporal contrast sensitivity, coherent motion, and visible persistence in developmental dyslexia. *Vision Res* 39:651–68
- Slanitz C, Fuchshuber J & Fink A (2024) Anxious and depressive symptoms mediate the influence of sleep quality on suicidality in young adults. *Front. Public Health Sec. Public Ment Health*, 12 | doi: 10.3389/fpubh.2024.1322069
- Slater IH, Jones GT & Moore RA (1978) Inhibition of REM sleep by fluoxetine, a specific inhibitor of serotonin uptake. *Neuropharmacol* 17:383–89
- Slatman J (2023) Nieuwe lichamelijkeheid. Gorredijk: Uitg.Noordboek
- Slaughter V & Heron M (2004) Origins and early development of human body knowledge. *Monogr Soc Res Child Dev* 69:1–102
- Smallwood J & Schooler JW (2006) The Restless Mind. *Psychol Bull* 132:946–58
- Smaers JB, Schleicher A, Zilles K & Vinicius L (2010) Frontal white matter volume is associated with brain enlargement and higher structural connectivity in anthropoid primates. *PLoS One* 5:6
- Smaers JB, Steele J, Case CR *et al.* (2011) Primate prefrontal cortex evolution: Human brains are the extreme of a lateralized ape trend. *Brain, Behav & Evol* 77:67–78
- Smarius LJCA, Strieder TGA, Loomans EM *et al.* (2017) Excessive infant crying doubles the risk of mood and behavioral problems at age 5: evidence for mediation by maternal characteristics. *Eur Child Adolesc Psychiatr* 26:293–302
- Smedje H, Broman J-E & Hetta J (2001) Associations between disturbed sleep and behavioural difficulties in 635 children aged six to eight years: a study based on parents' perceptions. *Eur Child Adolesc Psychiatr* 10:1–9
- Smith A (1979) Practices and principles of clinical neuropsychology. *Int J Neurosci* 9:233–8
- Smith A (1984) Early and Long-term recovery from brain damage in children and adults: evolution and concepts of localization, plasticity and recovery. In: Almlö CR & Finger S (eds) *Early brain damage*. Academic Press
- Smith A & Sugar O (1975) Development of above normal language and intelligence 21 years after left hemispherectomy. *Neurol* 25:813–18
- Smith A, Taylor E, Lidzba K *et al.* (2003) A right hemispheric frontocerebellar network for time discrimination of several hundreds of milliseconds. *Neurol* 1:344–50
- Smith EE & Jonides J (1999) Storage and executive processes in the frontal lobes. *Sci* 283:1657–61
- Smith IM & Bryson SE (1998) Gesture imitation in autism I: Nonsymbolic postures and sequences. *Cogn Neuropsychol* 15:747–70
- Smith J (1987) Left-handedness: Its association with allergic disease. *Neuropsychol* 25:665–74
- Smith KE, Hsu E, Mason TB *et al.* (2024) Neural and Behavioral Correlates of Binge Eating in 9- to 10-Year-Old Children. *JACAP* Sep 3:S0890-8567(24)01837-9
- Smith LB & Sera MD (1992) A developmental analysis of the polar structure of dimensions. *Cogn Psychol* 24:99–142
- Smith ME, Stapleton JM & Halgren E (1986) Human medial temporal lobe potentials evoked in memory and language tasks. *EEG Clin Neurophysiol* 63:145–59
- Smith PF & Darlington CL (2013) Personality changes in patients with vestibular dysfunction. *Front Hum Neurosci* 7:1–7
- Smith PK & Boulton MJ (1990) Rough-and-tumble play, aggression and dominance: Perception and behaviour in children's encounters. *Human Dev* 33:271–82
- Smith ST Jr, Cash C, Barr SE *et al.* (1986) The nonspeech assessment of hemispheric specialization in retarded children. *Neuropsychol* 24:293–96
- Smith C (2013) Brain scan insight into dyslexia. *Sci* 342:61–63
- Smits MG, Nagtegaal EE, van der Heijden J *et al.* (2001) Melatonin for chronic sleep onset insomnia in children: A randomized placebo-controlled trial. *J Child Neurol* 16:86–92
- Smits P, Ponds R & Farenhorst N (2016) *Handboek neuropsychotherapie*. Boom, Amsterdam
- Smits-Bandstra S, DeNil LF & Saint-Cyr JA (2006) Speech And Nonspeech sequence skill learning in adults who stutter. *J Fluency Disord* 31:116–136
- Snyder PJ & Harris LJ (1993) Handedness, sex, and familial sinistrality effects on spatial tasks. *Cortex* 29:115–34
- Snijders-Oomen AWM (red), Tuinisma MME, van der Eijk ME *et al.* (1990) *Autisme en verwante communicatiestoornissen. Behandeling bij jonge kinderen*. Dekker en vd Vegt, Assen, pp 125
- Snowling MJ, Hayiou-Thomas ME, Nash HM *et al.* (2020) Dyslexia and Developmental Language Disorder: comorbid disorders with distinct effects on reading comprehension. *JCPP* 61:672–80
- Sobanski E & Schmidt MH (2000) Body Dysmorphic Disorder: A Review of the Current Knowledge. *Child Psychol Psychiatr Rev*, 5:17–24
- Söderbergh R (1984) Teaching Swedish deaf preschool children to read. In: Dale PS & Ingram D (eds) *Child Language – An international Perspective*. Univ Park Press, Baltimore, pp 373–86
- Sodian B, Thoermer C & Metz U (2007) Now I see but you don't: 14-month-olds can represent another person's visual perspective. *Dev Sci* 10:199–204
- Sokolov AA, Miall RC & Ivry RB (2017) The Cerebellum: Adaptive Prediction for Movement and Cognition. *TICS* 21:313–32
- Sokolowski MB (2001) *Drosophila*: genetics meets behaviour. *Nat Rev Genet* 2: 879–90
- Solleveld MM, Schranter A, Baek HK *et al.* (2020) Effects of 16 Weeks of Methylphenidate Treatment on Actigraph-Assessed Sleep Measures in Medication-Naïve Children With ADHD. *Front. Psychiatr* 11:82
- Solms M (1997) What is consciousness? *JAPA* 45:681–703
- Solms M (1999) The deep psychological functions of the right cerebral hemisphere. *Bull Br Psychoanal Soc* 35:9–29
- Solms M & Turnbull O (2004) *The brain and the inner world*. London: Karnac
- Solms M (2005) A psychoanalytic contribution to affective neuroscience. In: *Neuroscientific and psychoanalytic perspectives on emotion*,

ed.. Jaffa M London: The International Neuro-Psychoanalysis Centre pp 11–39

Solms M (2011) A Neuropsychanalytic Perspective: What is Depression for? *Originalarbeit Psychotherapie - Wissenschaft* 2:85–93

Solms M (2012). Are Freud's 'erogenous zones' sources or objects of libidinal drive? *Neuropsychanalysis* 14:53–56

Solms M (2019) *Introduction to Clinical Neuropsychology: The Neuropsychological Examination*. Videos Univ Capetown, South Africa

Solms M & Panksepp J (2012) The "id" knows more than the "ego" admits: Neuropsychanalytic and primal consciousness perspectives on the interface between affective and cognitive neuroscience. *Brain Sci* 2:147–75

Solms M & Nersessian E (1999) Freud's Theory of Affect: Questions for Neuroscience, *Neuropsychanalysis* 1: 5–14

Sommerville JA, Woodward L & Needham A (2005) Action experience alters 3-month-old infants' perception of others' action. *Cogn* 96:1–11

Solomons G, Holden RH & Denhoff E (1963) The changing picture of cerebral dysfunction in early childhood. *J Pediatr* 63:113–20

Soltano MV (1984) Neuropharmacological basis of stimulant drug action in attention deficit disorder with hyperactivity: A review en synthesis. *Psychol Bull* 95:387–409

Soltano MV & Conners CK (1982) A dose-response en time action analysis of automatic en behavioral effects of methylphenidate in attention disorder with hyperactivity. *Psychopharmacol* 19:658–67

Somers AB, Levin HS & Hannay HJ (1976) A neuropsychological study of a family with hereditary mirror movements. *DMCN* 18:791–8

Somers M, Ophoff RA, Aukes MF *et al.* (2015) Linkage analysis in a Dutch population isolate shows no major gene for left-handedness or atypical language lateralization. *J Neurosci* 35:8730–6

Sommer IEC & Smit LME (1997) Congenital supratentorial arachnoidal and giant cysts in children: A clinical study with arguments for a conservative approach. *Child Nerv Syst* 13:8–12

Sommerbeck KW, Theilgaard A, Rasmussen KE *et al.* (1977) Valproate sodium: Evaluation of so-called psychotropic effect. A controlled study. *Epilepsia* 18:159–67

Sommerfelt K, Sonnander K, Skranes J *et al.* (2002) Neuropsychologic and motor function in small-for-gestation preschoolers. *Pediatr Neur* 26:186–91

Sommerville JA, Woodward AL & Needham A (2005) Handling experience alters 3-month-old infants' perception of others' handling. *Cognition* 96:1–11

Sommerville JA, Woodward AL & Needham A (2005) Action experience alters 3-month-old infants' perception of others' action. *Cogn* 96: B1–B11

Song J, Fogarty K, Suk R *et al.* (2021) Behavioral and mental health problems in adolescents with ADHD: Exploring the role of family resilience. *J Affect Disord*. 294:450–58

Sonksen PM & Dale N (2002) Visual impairment in infancy: Impact on neurodevelopmental and neurobiological processes. *DMCN* 44:782–91

Sonuga-Barke EJS (2019) Editorial: 'People get ready': Are mental disorder diagnostics ripe for a Kuhnian revolution? *JCPP* 61:1–3

Sonuga-Barke EJS, Becker SP, Bölte S *et al.* (2023) Annual Research Review: Perspectives on progress in ADHD science - from characterization to cause. *JCPP* 64:506–32

Sonuga-Barke EJS, Bissakou P, Thompson M (2016) Beyond the Dual Pathway Model: Evidence for the Dissociation of Timing, Inhibitory, and Delay-Related Impairments in Attention-Deficit/Hyperactivity Disorder. *JCPP* 49:345–55

Sonuga-Barke EJS, Cortese, S, Fairchild G *et al.* (2016), Annual Research Review: Transdiagnostic neuroscience of child and adolescent mental disorders – differentiating decision making in attention-deficit/hyperactivity disorder, conduct disorder, depression, and anxiety. *JCPP*, 57:321–49

Sonuga-Barke E & Kostyrka-Allchorne K. (2023) Editorial Perspective: Attention-deficit/hyperactivity disorder viewed as neuro-divergence in the digital world. *JCPP* 64:972–74

Sonuga-Barke EJS, Kumsta R & Mehta M (2012) Long-term neurobiologic impact of extreme early institutional deprivation in the English and Romanian Adoptees study: initial findings and future plans. In: Riva D & Nijjo-kiktjen C (eds) *Brain lesion localization and developmental functions*. pp. 209–22

Soon E, Siffredi V, Anderson PJ *et al.* (2024) Inhibitory control in children with agenesis of the corpus callosum compared with typically developing children. *J Int Neuropsychol Soc*. 30:18–26

Soorani-Lunsing RJ (1993) *Puberty and minor neurological dysfunction. A follow-up study of neurobehavioural relationships from birth onwards*. Thesis, Groningen

Soper HV & Satz P (1984) Pathological left-handedness and ambiguous handedness: A new explanatory model. *Neuropsychol* 22:511–15

Soper HV, Satz P, Orsini DL *et al.* (1986) Handedness patterns in autism suggest subtypes. *J Autism Dev Disord* 16:155–67

Sorel L (1970) Crises de brève durée à expression psychique. *Rev Neuropsychiat Inf* 18:531–45

Sorrells SF, Paredes MF, Sebrain Silla A *et al.* (2018) Human hippocampal neurogenesis drops sharply in children to undetectable levels in adults. *Nature* 555:377–81

Soteriou M (2013) *The mind's construction. The ontology of mind and mental action*. New York:Oxford Un Press

Sotos JF, Dodge PR, Muirhead D *et al.* (1964) Cerebral gigantism in childhood. *N Engl J Med* 271:109–16

Southern California Sensory Intergation Test (SCSIT) Ayres AJ (1980)

Sowell ER, Trauner DA, Gamst A *et al.* (2002) Development of cortical and subcortical brain

structures in childhood and adolescence: A structural MRI study. *DMCN* 44:4–16

Spalteholz W (1929) *Handatlas der Anatomie des Menschen*. Leipzig: Verlag S. Hirzel

Spano M, Mercuri E, Rando T *et al.* (1999) Motor and perceptual-motor competence in children with Down syndrome: Variation in performance with age. *Eur J Paediatr Neurol* 3:7–14

Sparks H, Goodglass H & Nickel B (1970) Ipsilateral versus contralateral extinction in dichotic listening resulting from hemisphere lesions. *Cortex* 73:249–61

Sparks R & Geschwind N (1968) Dichotic listening in man after section of the neocortical commissures. *Cortex* 4:3–16

Spear LP (2013) Adolescent neurodevelopment. *J Adol Health* 52:7–13

Spector F & Maurer D (2009) Synesthesia: a new approach to understanding the development of perception. *Dev Psychol* 45:175–89

Speedie LJ & Heilman KM (1982) Amnesic disturbance following infarction of the left dorsomedial nucleus of the thalamus. *Neuropsychol* 20:597–604

Speedie LJ & Heilman KM (1983) Anterograde memory deficits for visuospatial material after infarction of the right thalamus. *Arch Neurol* 40:183–86

Spekreijse H (1983) *Comparison of acuity tests en pattern evoked potential criteria: two mechanisms underlying acuity maturation in man*. Behav Brain Res 10 (1) Elsevier Science Publishers, Amsterdam, 107–11

Spelke ES (2022) *What babies know: Core knowledge and composition* (Vol. 1). Oxford University Press

ES & Kinzler KD (2007) Core knowledge. *Dev Sci* 10:89–96

Spelke ES, Phillips AT & Woodward AL (1995) Infants, knowledge of object motion and human interaction. In: D Sperber, D Premack & AJ Premack (eds). *Causal cognition: a multidisciplinary debate*. Clarendon Press, Oxford pp. 44–78

Spencer JP, Vereijken B, Diedrich F *et al.* (2000) Posture and the emergence of manual skill. *Dev Sci* 3:216–33

Spencer-Smith M, Knight JL, Lacaze E *et al.* (2020) Callosal agenesis and congenital mirror movements: outcomes associated with DCC mutations. *DMCN*

Sperry RW (1963) Chemoaffinity in the orderly growth of nerve fiber patterns and connections. *Proc Natl Acad Sci USA* 50:703–10

Sperry RW (1980) Mind-brain interaction: Mentalism, yes; Dualism, no. *Neurosci* 5:195–206

Sperry RW (1985) Consciousness, personal identity, and the divided brain. In Benson DF & Zaidel E (Eds.) *The Dual Brain*. The Guilford Press, New York 11–26

Spidalieri G, Guandalini P & Franchi G (1986) Motor responses mediated by orthodromic and antidromic activation of the rostral portion of the cat corpus callosum. *Exp Brain Res* 64:133–42

Spiel G, Karlson A & Kundi M (1983) Präsentation eines neuen dichotischen Hörtests zur

- Messung funktioneller Hemisphärenasymmetrien. *Fortschr Neurol Psychiatr* 51:387–95
- Spikman JM (2001) *Attention, mental speed and executive control after closed head injury: deficits, recovery and outcome*. Thesis, Un Groningen
- Spinelli M, Oliveira Rocha AC de *et al.* (1995) Word-finding difficulties, verbal paraphasias, and verbal dyspraxia in ten individuals with fragile X syndrome. *Am J Med Genet* 60:39–43
- Spinoza B (1675) *Ethica*. Pars III, *De origine et natura affectuum* Volledige Latijnse uitgave (2008) met simultane Ned. vert. door Henri Krop. Amsterdam: Uitg. Bert Bakker
- Spinazzola L, Pia L, Folegatti A *et al.* (2008) Modular structure of awareness for sensorimotor disorders: evidence from anosognosia for hemiplegia and anosognosia for hemianesthesia. *Neuropsychol* 46:915–26
- Spinozzi G & Cacchiarelli B (2000) Manual laterality in haptic and visual reaching tasks by tufted capuchin monkeys (*Cebus apella*): an association between hand preference and hand accuracy voor food discrimination *Neuropsychol* 38:1685–92
- Spitz R (1946) Anaclitic depression: An inquiry into the genesis of psychiatric conditions in early childhood II. In: *Psychoanalytic Study of the Child*. Vol 2. New York: Int Univ Press. Pp. 313–42
- Spitz R (1945) Hospitalism : An inquiry into the genesis of psychiatric conditions in early childhood. In: *Psychoanalytic Study of the Child*. Vol 1. New York: Int Univ Press. Pp 53–74
- Spitz RA (1965) *The first year of life. A psychoanalytic study of normal and deviant development of object relations*. New York. Int Univ Press
- Spitz RA (1965) *The first year of life. A psycho-analytic study of normal and deviant development of object relations*. Int Univ Press, New York
- Spitz RA & Wolf KM (1946) Anaclitic depression: an inquiry into the genesis of psychotic conditions in early childhood. II. *Psychoanal Study Child* 2:313–42
- Spitzer RL & Cantwell DP (1980) The DSM III classification of the psychiatric disorders of infancy, childhood and adolescence. *JAACAP* 19:356–70
- Spohr HL & Steinhausen H Chr (1987) Follow-up studies of children with fetal alcohol syndrome. *Neuropediatr* 18:13–17
- Sporns O (2011) The human connectome: a complex network. *Ann N Y Acad Sci* 1224:109–25
- Sporns O (2011a) *Networks of the brain*. London: MIT Press
- Spreen O & Strauss E (1998) *A compendium of neuropsychological tests*. New York: Oxford University Press.
- Spreen O, Risser A & Edgell D (1995) *Human Developmental Neuropsychology*. Oxford University Press, New York
- Springer SP (1977) Tachistoscopic and dichotic listening investigations of laterality in normal human subjects. In: Harnad S, Doty RW, Goldstein L *et al.* (eds) *Lateralization in the nervous system*. Acad Press, New York, pp 325–36
- Square-Storer PA, Roy EA & Hogg SC (1990) The dissociation of aphasia from apraxia of speech, ideomotor limb, and buccofacial apraxia. In: Stelmach GE, Vroom PA & Hammond GR (Ed) *Advances in psychology*. Elsevier Science Publishers BV (North-Holland), Amsterdam, pp :451–76
- Squire LR (1986) Memory and the brain. In: Friedman SL, Klivington KA & Peterson RW (eds) *The brain, cognition, and education*. Acad Press, Orlando, pp 171–202
- Squire LR & Butters N (eds, 1985) *Neuropsychology of Memory*. The Guilford Press, New York
- Squire LR & Kandel ER (2001) *Geheugen – van moleculen tot geest*. Natuur en Techniek, Veen magazines, Amsterdam
- Squire LR & Zola-Morgan S (1988) Memory: brain systems and behavior. *TINS* 11:170–175
- Squires C (2002) Attachment and infantile sexuality. In: *Infantile sexuality and attachment* (D Widlöcher, ed) London: Karnac, pp. 133–56
- Squires LA, Krishnamoorthy KS & Natowicz MR (1995) Delayed myelination in infants and young children: Radiographic and clinical correlates. *J Child Neurol* 10:100–4
- Stack DM & Tsonis M (1999) Infants' haptic perception of texture in the presence and absence of visual cues. *Br J Dev Psychol* 17:97–110
- Stadskleiv K (2020) Cognitive functioning in children with cerebral palsy. *DMCN* 62: DOI:10.1111/dmcn.14463
- Stam CJ, Hessels-van der Leij EM, Meulstee J *et al.* (2000) Changes in functional coupling between neural networks in the brain during maturation revealed by omega complexity. *Clin EEG* 31:104–8
- Stambak M (1951) Le problème du rythme dans le développement de l'enfant et dans les dyslexies d'évolution. *Enfance* 5:480–502
- Stambak M (1973) *Tonus et psychomotricité dans la première enfance*. Delachaux et Niestlé, Neuchâtel
- Stambak M (1984a) Trois Epreuves de rythme. In: Zazzo R: *Manual pour l'examen psychologique de l'enfant*. Delachaux et Niestlé, Neuchâtel, pp 241–259
- Stambak M (1984b) Trois Epreuves de syncinésies. In: Zazzo R: *Manual pour l'examen psychologique de l'enfant*. Delachaux et Niestlé, Neuchâtel, pp 122–172
- Stambak M, L'Hériveau D, Auzias M *et al.* (1965) Les dyspraxies chez l'enfant. Dans : J de Ajuriaguerra, R Diatkine et S Lebovici (éds) *La psychiatrie de l'enfant*. Puf, Paris, pp 383–496
- Stambak M, Pecheux MG, Harrison A *et al.* (1967) Méthodes d'approche pour l'étude de la motricité chez l'enfant. *Rev Neuropsychiat inf* 15:155
- Stamm JS & Kreder SV (1979) Minimal brain dysfunction: psychological and neuropsychological disorders in hyperkinetic children. In: Gazzaniga MS (ed) *Handbook of behavioral neurobiology*. 2 *Neuropsychology*. Plenum Press, New York, pp 119–50
- Stanescu-Cosson R, Pinel P, Van De Moortele PF *et al.* (2000) Understanding dissociations in dyscalculia – A brain imaging study of the impact of number size on the cerebral networks for exact and approximate calculation. *Brain* 123:2240–55
- Stanfield AC, McKechnie AG, Lawrie SM *et al.* (2019) Predictors of psychotic symptoms among young people with special educational needs. *Br J Psychiatr* 215:422–7
- Stapert S & Blokland A (2008) Hoe maakbaar is het brein? Functieherstel na niet-aangeboren hersenletsel vanuit neuropsychologisch en neurobiologisch perspectief. *T v Neuropsychol*. 3:12–22
- Stark RE & Tallal P (1981) Selection of children with specific language deficits. *J Speech Hear Dis* 46:114–22
- Stathis SL, O'Callaghan M, Harvey J *et al.* (1999) Head circumference in ELBW babies is associated with learning difficulties and cognition but not ADHD in the school-aged child. *DMCN* 41:375–80
- Staudt M, Grodd W, Niemann G *et al.* (2001) Sensorimotor organisation in unilateral brain malformation: a functional magnetic resonance imaging (fMRI) study. Abstract 0285 EPNS Baden-Baden. *Eur J Paed Neurol* 5:116
- Staudt M, Lidzba K, Grodd W *et al.* (2002) Right-hemispheric organization of language following early left-sided brain lesions: functional MRI topography. *NeuroImage* 16:954–67
- Stedall PM, Spencer-Smith MM, Lah S *et al.* (2023) Episodic and prospective memory difficulties in 13-year-old children born very pre-term. *J Int Neuropsychol Soc*. 29:257–65
- Steele M (2003) Attachment, actual experience and mental representation. In: Vivian Green (ed). *Attachment theory and neuroscience. Creating connections*. Brunner-Routledge, Hove & New York.
- Steele SD, Minshew NJ, Luna B *et al.* (2006) Spatial working memory deficits in autism. *J Autism Dev Disord* 37:605–12
- Steele Russell I (1982) Some observations on the problem of recovery of function following brain damage. *Human Neurobiol* 1:68–72
- Steese-Sada D, Brown WS & Caetano C (1995) Development of bimanual visuomotor coordination in school aged children: The bimanual coordination task. *Dev Neuropsychol* 11:181–99
- Steenhuis RE, Bryden MP & Schroeder DH (1993) Gender, laterality, learning difficulties and health problems. *Neuropsychol* 31:1243–54
- Steensma TD, Kreukels BPC, de Vries ALC *et al.* (2013) Gender identity development in adolescence. *Hormon Behav*. 64:288–97
- Stefanatos GA, Green GGR & Ratcliff GG (1989) Neurophysiological evidence of auditory channel anomalies in developmental dysphasia. *Arch Neurol* 46:871–5
- Stefanatos GA, Grover W & Geller E (1995) Case study: Corticosteroid treatment of language regression in pervasive developmental disorder. *JAACAP* 34:1107–11
- Steffenburg S, Gillberg Chr, Hellgren L *et al.* (1989) A twin study of autism in Denmark, Finland, Iceland, Norway and Sweden. *JCPP* 30:405–16
- Steffenburg S, Gillberg ChrL, Steffenburg U *et al.* (1996) Autism in Angelman syndrome: A population-based study. *Pediatr Neurol* 14:131–6
- Steger J, Imhof K, Steinhausen HC *et al.* (2000) Brain mapping of bilateral interactions in Attention Deficit Hyperactivity Disorder and control boys. *Clin Neurophysiol* 111:1141–56

- Stein BE & Meredith MA (1993) *The merging of the senses*. MIT Press, London
- Stein DJ (2005) *Cognitive-affective neuroscience of depression and anxiety disorders*. London: Martin Dunitz Ltd
- Stein DJ & Ludik J (1998) *Neural networks and psychopathology. Connectionist models in practice and research*. Cambridge Un Press, Cambridge, pp 371
- Stein DJ & Muller J (2008) Cognitive-affective neuroscience of depression and anxiety disorders. *CNS Spectr* 13:379–84
- Stein J & Walsh V (1997) To see but not to read: The magnocellular theory of dyslexia. *TINS* 20:147–52
- Stein MA, Weiss MD (2023) Editorial: Longitudinal Associations Between Sleep and ADHD Symptoms: ADHD Is a 24-Hour Disorder. *JAACAP*. 62:133–4
- Stein JF, Richardson AJ & Fowler MS (2000) Monocular occlusion can improve binocular control and reading in dyslexics. *Brain* 123:164–70
- Stein MB, Koverola C, Hanna C *et al.* (1997) Hippocampus volume in women victimized by childhood sexual abuse. *Psychol Med* 27:951–95
- Steinberg M & Rendle-Short J (1977) 'Vestibular dysfunction in children with minor neurological impairment'. *DMCN* 19:639–65
- Steingrueber HJ (1975) Handedness as a function of test complexity. *Percept Motor Skills* 40:263–66
- Steinhausen HC, Willms J & Spohr HL (1994) Correlates of psychopathology and intelligence in children with fetal alcohol syndrome. *JCPP* 35:323–31
- Steinlin M (1998) Non-progressive congenital ataxias. *Brain Dev* 20:199–208
- Steinlin M, Good M, Martin E *et al.* (1993) Congenital hemiplegia: Morphology of cerebral lesions and pathogenetic aspects from MRI. *Neuropediatr* 24:224–9
- Steinlin M, Imfeld S, Zulauf P *et al.* (2003) Neuropsychological long-term sequelae after posterior fossa tumour resection during childhood. *Brain* 126:1998–2008
- Steinlin M, Schmitt B & Ferrini B (1998) Congenital ataxia of parietal origin? Report of two cases. *Brain Dev* 20:242–4
- Steinmetz H, Volkman J, Jaencke L *et al.* (1991) Anatomical left-right asymmetry of language-related temporal cortex is different in left- and right-handers. *Ann Neurol* 29:315–19
- Steinschneider M, Schroeder CE, Arezzo JC *et al.* (1995) Physiologic correlates of the voice onset time boundary in primary auditory cortex (A1) of the awake monkey: temporal response patterns. *Brain Lang* 48: 326–40
- Stelmach GE (ed 1978) *Information processing in motor control and learning*. Academic Press, New York
- Stenvers HW (1961) *Les réactions opto-motrices. Contributions à l'étude des fonctions du cerveau*. Masson, Paris
- Stephan H, Frahm H & Baron G (1981) New and revised data on volumes of brain structures on insectivores and primates. *Int J Primatol* 35:1–29
- Stephan KM, Binkofski F, Halsband U *et al.* (1999a) The role of ventral medial wall motor areas in bimanual coordination. A combined lesion and activation study. *Brain* 122:351–68
- Stephan KM, Binkofski F, Posse S *et al.* (1999b) Cerebral midline structures in bimanual coordination. *Exp Brain Res* 128:243–49
- Stergiakouli E, Thapar A, Smith GD (2016) Association of Acetaminophen Use During Pregnancy With Behavioral Problems in Childhood. Evidence Against Confounding. *JAMA Pediatr*. 170:964–70
- Stern D (1983) The early development of schemas of self, other, and self with other. In: *Reflections on Self-Psychology* (ed Lichtenberg J & Kaplan S): Analytic Press, Hillsdale, NJ, pp. 233–8
- Stern DN (1984) Affect attunement. In: JD Call, E Galenson & RT Tyson (eds) *Frontiers of infant psychiatry vol II*. Basic Books, New York, pp 3–14
- Stern D (1985) *The interpersonal world of the infant. A view from psychoanalysis and developmental psychology*. Basic Books, New York
- Stern DN (1989) Developmental prerequisites for the sense of a narrated self. In: Cooper A, Kernberg O & Person E (eds) *Psychoanalysis. Toward the second century*. New Haven & London: Yale Univ. Press, pp 168–78
- Sternberg RJ (2012) Chapter 6: The Triarchic Theory of Successful Intelligence. In Flanagan DP; Harrison PL (eds) *Contemporary Intellectual Assessment: Theories, tests, and issues* (3rd ed). New York (NY): Guilford Press. pp. 156–77
- Stes R (1994) Stemstoornissen. Leuven: Acco
- Stes R (1997) Articuliatoornissen. Fenomenen, oorzaken en behandeling. Leuven: Acco
- Stevens FL (2016) The anterior cingulate cortex in psychopathology and psychotherapy: effects on awareness and repression of affect. *Neuropsychologia*. 18:53–68
- Stevens JR & Hermann BP (1981) Temporal lobe epilepsy, psychopathology and violence: The state of the evidence. *Neurol* 31:1127–32
- Stevens MC, Fein DA, Dunn M *et al.* (2000) Subgroups of children with autism by cluster analysis: A longitudinal examination. *JAACAP* 39:346–352
- Stevens MC, Pearlson GD & Calhoun VD (2009) Changes in the interaction of resting-state networks from adolescence to adulthood. *Hum Brain Map* 30:2356–66
- Stevens T & Karmiloff Smith A (1997) Word learning in a special population – do individuals with Williams-syndrome obey lexical constraints. *J Child Lang* 24:737–65
- Stevenson J & Richman N (1976) The prevalence of language delay in a population of three-year-old children and its association with general retardation. *DMCN* 18:431–41
- Stevenson J, Pimperton H, Kreppner J *et al.* (2018) Language and reading comprehension in middle childhood predicts emotional and behaviour difficulties in adolescence for those with permanent childhood hearing loss. *JCCP* 59:180–90
- Steward O (1984) Lesion-induced neuroplasticity and the sparing or recovery of function following early brain damage. In: CR Almlil and S Finger (eds) *Early Brain Damage. vol I Research orientations and clinical observations*. Academic Press, Inc New York, pp 59–76
- Stewart AL (1984) Severe perinatal hazards. In: Rutter M (ed) *Developmental neuropsychiatry*. Churchill Livingstone, Edinburgh, pp 15–32
- Stewart AL, Reynolds EOR, Hope PL *et al.* (1987) Probability of neurodevelopmental disorders estimated from ultrasound appearance of brains of very preterm infants. *DMCN* 29:3–11
- Stewart AL, Reynolds EOR & Lipscomb AP (1981) Outcome for infants of very low birth weight: survey of the world literature. *Lancet* 2:1038–41
- Stewart L, Meyer B-U, Frith U *et al.* (2001) Left posterior BA37 is involved in object recognition: A TMS study. *Neuropsychologia* 39:1–6
- Stewart MA, deBlois CS & Cummings CL (1980) Psychiatric disorder in the parents of hyperactive boys and those with conduct disorder. *JCPP* 21:283–92
- Stewart MA, Ferris A, Pitts FN *et al.* (1966) The hyperactive child syndrome. *JCPP* 36:861–67
- Stewart MA & Tsai LY (1985) Hyperactivity. In: PJ Vinken, GW Bruyn and HL Klawans (eds, JAM Frederiks co-ed) *Neurobehavioural disorders*. Elsevier, Amsterdam, pp 175–88
- Steyvers M, Etoh S, Sauner D *et al.* (2003) High-frequency transcranial magnetic stimulation of the supplementary motor area reduces bimanual coupling during anti-phase but not in-phase movements. *Exp Brain Res* 151:309–17
- St George M, Kutas M, Martinez A *et al.* (1999) Semantic integration in reading: Engagement of the right hemisphere during discourse processing. *Brain* 122:1317–25
- Stiers P, De Cock P *et al.* (1999) Separating visual perception and non-verbal intelligence in children with early brain injury. *Brain Dev* 21:397–406
- Stiers P, Hout BM van den, Haers M *et al.* (2001) The variety of visual perceptual impairments in pre-school children with perinatal brain damage. *Brain Dev* 23:333–48
- Stiles J, Akshoomoff N & Haist F (2013) The Development of Visuospatial Processing. In: JLR Rubenstein & P Rakic (eds) *Comprehensive Developmental Neuroscience: Neural Circuit Development and Function in the Brain*, vol. 3, 271–96 Amsterdam: Elsevier
- Stiles J & Martinez A (2000) The role of the left hemisphere in processing visuospatial information. In: Riva D & Benton A (eds) *Localization of brain lesions and developmental functions*. John Libbey & Co, Eatleigh, England, pp 79–96
- Stiles-Davis J, Janowsky J, Engel M *et al.* (1988) Drawing ability in four young children with congenital unilateral lesions. *Neuropsychol* 26:359–71
- Stipdonk LW, Franken M-CJP & Dudink J (2018) Language outcome related to brain structures in school-aged preterm children: A systematic review. *PLoS ONE* 13:e0196607
- Stipdonk LW, Weisglas-Kuperus N, Franken MC, *et al.* (2016). Auditory brainstem maturation

- tion in normal-hearing infants born preterm: a meta-analysis. *DMCN* 58:1009–15
- Stirling J (2002) *Introducing Neuropsychology*. Hove, UK:Psychology Press
- St James–Roberts I (1981) A reinterpretation of the hemispherectomy data without functional plasticity of the brain. *Brain Lang* 13:31–53
- St John R & Timney B (1986) Interhemispheric transmission delays in human strabismics. *Human Neurobiol* 5:97–103
- Stockbridge MD, Berube S, Goldberg E *et al.* (2019) Differences in linguistic cohesion within the first year following right- and left-hemisphere lesions. *Aphasol* 35:357–71
- Stockbridge M, Sheppard S, Keator L. *et al.* (2022). Aprosodia Subsequent to Right Hemisphere Brain Damage: A Systematic Review and Meta-Analysis. *J Int Neuropsychol Soc*, 28:709–35
- Stochl J & Croudace T (2013) Predictors of human rotation. *Laterality* 18:265–81
- Stoffelsen R & Soechitram S (2022) in Lindauer R & Staal W (red.) *Handboek Kinder- en jeugdpsychiatrie*. Amsterdam: Boom uitg
- Stoit AMB (1986) *De ontwikkeling van de herkenning van emoties in het gelaat, de lateralisatie en de interhemisfere uitwisseling ervan*. Scriptie Vakgroep Psychonomie, UvA
- Stokman CJ, Shafer SQ, Shaffer D *et al.* (1986) Assessment of neurological 'soft signs' in adolescents: reliability studies. *DMCN* 28:428–39
- Stone KD, Kornblad CAE, Engel MM *et al.* (2021) Lower limb peripersonal space and the desire to amputate a leg. *Psychol Res* 85:1221–33
- Stone MA (1980) Measures of laterality and spurious correlation. *Neuropsychol* 18:339–45
- Stone VE, Nisenson L, Eliassen *et al.* (1996) Left hemisphere representations of emotional facial expressions. *Neuropsychol* 34:23–29
- Stone WL, Hoffman EL, Lewis SE *et al.* (1994) Early recognition of autism. Parental reports vs clinical observation. *Arch Pediatr Adolesc Med* 148: 174–79
- Stone WL, Lee EB, Ashford L *et al.* (1999) Can autism be diagnosed accurately in children under 3 years? *J Child Psychol & Psychiat* 40:219–26
- Stores G (1973) Studies of attention and seizure disorders. *DMCN* 15:376–82
- Stores G (1975) Behavioral effects of anti-epileptic drugs. *DMCN* 17:647–58
- Stores G (1978) School-children with epilepsy at risk for learning and behaviour problems. *DMCN* 20:502–8
- Stores G (2016) Commentary: Thinking outside the box about children's sleep – a commentary on Gregory and Sadeh (2016) *JCPP* 57:318–320
- Stores G & Hart J (1976) Reading skills of children with generalised or focal epilepsy attending ordinary schools. *DMCN* 18:705–16
- Stothard SE & Hulme C (1995) A comparison of phonological skills in children with reading comprehension difficulties and children with decoding difficulties. *JCPP* 36:399–408
- Stout D & Chaminade T (2007) The evolutionary neuroscience of tool making. *Neuropsychol*. 45:1091–1100
- Stratford B & Yuet–Yu Ching E (1983) Rhythm and time in the perception of Down's syndrome children. *J Ment Defic Res* 27:27–38
- Stratton H, Lee G, Dolatyari M *et al.* (2024) Nociceptors are functionally male or female: from mouse to monkey to man. *Brain* 147:4280–91
- Strauss AA & Kephart NC (1955) *Psychopathology and education of the brain-injured child*. Vol II Grune and Stratton, New York, pp 47–89
- Strauss AA & Lethinen LE (1972) *Psychopathology and education of the brain injured*. Chapter III. Perception and perceptual disturbances of brain-injured children
- Striano T, Tomasello M & Rochat P (2001) Social and object support for early symbolis play. *Dev Sci* 4:442–55
- Strathearn L P, Fonagy P, Amico J *et al.* (2001) Adult attachment predicts maternal brain and oxytocin response to infant cues. *Neuropsychopharmacol* 34:2655–66
- Steri A (1987) Tactile discrimination of shape and intermodal transfer in 2- to 3-month old infants. *Brit J of Devel Psychol* 5:213–20
- Steri A (1991) *Voir, atteindre, toucher. Les relations entre la vision et le toucher chez le bébé*. Paris: Presses Universitaires de France
- Stroganova TA, Orekhova EV & Posi-kera IN (1999) EEG alpha rhythm in infants. *Clin Neurophysiol* 110:997–1012
- Strohinger N, Knobe J & Newman G (2017) The True Self: A psychological concept distinct from the self. *Perspect Psychol Sci* 12:551–60
- Strömmand K, Nordin V, Miller M *et al.* (1994) Autism in thalidomide embryopathy: a Population study. *DMCN* 36:351–6
- Stromswold K (2001) The heritability of language: a review and metaanalysis of twin and adoption studies. *Lang* 77:647–723
- Strub RL & Black FW (1985) *The mental status examination in neurology*. 2nd Ed FA Davis Cy, Philadelphia
- Strub RL & Black FW (1987) Anomalous dominance in sibling stutterers: Evidence from CT Scan asymmetries, dichotic listening, neuropsychological testing, and handedness. *Brain Lang* 30:338–50
- Studdert-Kennedy M & Mody M (1995) Auditory temporal perception deficits in the reading-impaired: A critical review of the evidence. *Psychon. Bull & Rev* 2:508–14
- Studdert-Kennedy M & Shankweiler D (1970) Hemispheric specialization for speech perception. *J Acoust Soc Am* 48:579–94
- Studdert-Kennedy M, Shankweiler DP & Schulman S (1970) Opposed effects of delayed channel on perception of dichotically and monotonically presented CV syllables. *J Acoust Soc Am* 48:599
- Studdert-Kennedy M & Shankweiler DP (1970) Hemispheric specialisation for speech perception. *J Acoust Soc Am* 48:599–602
- Sturm W, Simone A de, Krause BJ *et al.* (1999) Functional anatomy of intrinsic alertness: Evidence for a fronto-parietal-thalamic-brainstem network in the right hemisphere. *Neuropsychol* 37:797–805
- Stuss DT (1992) Biological and psychological development of executive functions. *Brain Cogn* 20:8–23
- Stuss DT & Benson DF (1987) *The frontal lobes*. Raven Press, New York
- Stuss DT, Gallup GG Jr & Alexander MP (2001) The frontal lobes are necessary for 'theory of mind'. *Brain* 124:279–86
- Subirana A (1969) Handedness and cerebral dominance. In: Vinken PJ and Bruyn GW (eds) *(Handbook of clinical neurology (vol 4)* North Holland, Amsterdam pp 248–72
- Suchenwirth R (1969) Bedingungen der Händigkeit und ihre Bedeutung für die Klinik der Hemisphärenprozesse. *Nervenarzt* 40:509–12
- Suddendorf T & Corballis MC (1997) Mental time travel and the evolution of the human mind [Review]. *Gen Social Gen Psychol Monogr* 123:133–67
- Sudhalter V, Maranian M & Brooks P (1992) Expressive semantic deficit in the productive language of males with fragile X syndrome. *Am J Med Genet* 43:65–71
- Sugarman GI, Landing BH & ReedWB (1977) Cockayne syndrome: Clinical study of two patients and neuropathologic findings in one. *Clin Pediatr* 16:225–32
- Sugimoto H, Abe MS, Otake-Matsuura M (2023) Word-producing brain: Contribution of the left anterior middle temporal gyrus to word production patterns in spoken language. *Brain Lang*. 238: 105233
- Sugishita M, Otomo K, Yamazaki K *et al.* (1995) Dichotic listening in patients with partial section of the corpus callosum. *Brain* 118:417–27
- Sugishita M, Takayama Y, Shiono T *et al.* (1996) Functional magnetic resonance imaging (fMRI) during mental writing with phonograms. *NeuroReport* 7:1917–21
- Sugita K, Takanashi J, Ishii M *et al.* (1992) Comparison of MRI white matter changes with neuropsychologic impairment in Cockayne syndrome. *Pediatr Neurol* 8:295–98
- Sugiura M, Kawashima R, Nakamura K *et al.* (2000) Passive and active recognition of one's own face. *NeuroImage* 11:36–48
- Sullivan EL, Holton KF, Nousen EK *et al.* (2015), Early identification of ADHD risk via infant temperament and emotion regulation: a pilot study. *JCPP* 56:949–57
- Sun D, Haswell CC, Morey RA *et al.* (2019) Brain structural covariance network centrality in maltreated youth with PTSD and in maltreated youth resilient to PTSD. *Devel & Psychopathol* 31:557–71
- Sun M, Xing W, Yu W *et al.* (2024) ERP evidence for cross-domain prosodic priming from music to speech. *Brain Lang*. 254:105439
- Sunshine JL, Lewin JS, Wu DH *et al.* (1997) Functional MR to localize sustained visual attention activation in patients with Attention Deficit Hyperactivity Disorder: A pilot study. *Am J Neuroradiol* 18:633–7
- Suomi SJ & Harlow HF (1975) The role and reason of peer relationships in rhesus monkeys. In: Lewis M & Rosenblum LA (eds) *Friendship and peer relations*. Wiley, New York, pp 153–85
- Suomi SJ (1999) Attachment in rhesus monkeys. In: Cassidy J & Shaver PR (Eds). *Handbook of attachment: Theory, research, and clinical applications*. (pp. 181–197). New York, NY, US: Guilford Press

- Suresh PA & Sebastian S (2000) Developmental Gerstmann's syndrome: A distinct clinical entity of learning disabilities. *Pediatr Neurol* 22:267–78
- Suresh PA, Sebastian S, George A *et al.* (1999) Subclinical hyperthyroidism and hyperkinetic behavior in children. *Pediatr Neurol* 20:192–94
- Surwillo WW (1977) Changes in the electroencephalogram accompanying the use of stimulant drugs (Methyl Phenidate and Dextroamphetamine) in hyperactive children. *Biol Psychiatry* 12:787–99
- Süssová J, Seidl Z & Faber J (1990) Hemiparetic forms of cerebral palsy in relation to epilepsy and mental retardation. *Dev Med Child Neur* 32:792–95
- Sutherland GR (1977) Fragile sites on human chromosomes: demonstration of their dependence on the type of tissue culture medium. *Sci* 197: 265–66
- Sutton E & Read JH (1958) Abnormal amino acid metabolism in a case suggesting autism. *Am J Dis Child* 96:23–28
- Svaldi C, Paquier P, Keulen S *et al.* (2023) Characterising the Long-Term Language Impairments of Children Following Cerebellar Tumour Surgery by Extracting Psycholinguistic Properties from Spontaneous Language. *Cerebellum* 23:523–44
- Svaldi C, Ntemou E, Jonkers R *et al.* (2024) Language outcomes in children who underwent surgery for the removal of a posterior fossa tumor: A systematic review. *Eur J Paediatr Neurol*. 48:129–41
- Sveistrup H, Schneiberg S, McKinley PA *et al.* (2008) Head, arm and trunk coordination during reaching in children. *Exp Brain Res* 188:237–247
- Swaab DF (2010) *Wij zijn ons brein*. Uitg. Contact, Amsterdam
- Swaab DF (2007) Sexual differentiation of the brain and behavior. *Best Practice & Res Clin Endocrin & Metabol*. 21:431–44
- Swaab DF & Mirmiran M (1986) Mechanisms underlying the behavioral teratogenic effects of chemicals on the developing brain. In: I Flehmig and L Stern (eds) *Child development and learning behavior*. Fisher Verlag, Stuttgart, pp 41–57
- Swaab H, Beuening H, van Rijn S *et al.* (2010) Emotion recognition problems in boys with Klinefelter syndrome. *J Intell Disab Res* 54:889
- Swaab H, Bouma A & Hendriksen J & König C (red. 2016) *Klinische kinderneuropsychologie*. Meppel: Boom
- Swaiman KF & Ashwal S (2018) *Swaiman's Pediatric neurology*. 6th ed, Elsevier
- Swain JE, Lorberbaum JP, Kose S *et al.* (2007) Brain basis of early parent–infant interactions: Psychology, physiology, and *in vivo* functional neuroimaging studies. *J Child Psychol Psychiat* 48:262–87
- Swanson HL (1994) Short-term memory and working memory: Do both contribute to our understanding of academic achievement in children and adults with learning disabilities? *J Learn Dis* 27:34–50
- Swanson JM & Kinsbourne M (1976) Stimulant-related state-dependent learning in hyperactive children. *Sci* 192:1354–57
- Swanson JM & Kinsbourne M (1980) Food dyes impair performance of hyperactive children on a laboratory learning test. *Sci* 207:1485–87
- Swanson JM, Barlow A & Kinsbourne M (1979) Task specificity of responses to stimulant drugs in laboratory tests. *Int J Ment Health* 8:67–82
- Swanson JM, Sergeant JA, Taylor E *et al.* (1998) Attention-deficit hyperactivity disorder and hyperkinetic disorder. *Lancet* 351:429–33
- Swayze VW II, Johnson VP, Hanson JW *et al.* (1997) Magnetic resonance imaging of brain anomalies in fetal alcohol syndrome. *Pediatr* 99:232–40
- Swets Test Services (2000) *Neuropsychological test Battery for number processing and calculation in children*. Swets & Zeitlinger, Lisse, pp 187–203
- Swillen A, Devriendt K, Legius E *et al.* (1997) Intelligence and psychosocial adjustment in velocardiofacial syndrome: a study of 37 children and adolescents with vcfs. *J Med Gen* 34:453–8
- Swillen A, Vandeputte L, Cracco J *et al.* (1999) Neuropsychological, Learning and psychosocial profile of primary school aged children with the velo-cardio-facial syndrome (22q11 deletion): evidence for a nonverbal learning disability? *Child Neuropsychol* 5:230–241
- Swingle D (2005) 11-month-olds' knowledge of how familiar words sound. *Dev Sci* 8:432–44
- Swinkels SH, Dietz C, Daalen E *et al.* (2006) Screening for autistic spectrum disorder in children aged 14 to 15 months I: the development of the early screening of autistic traits questionnaire (ESAT). *J of Autism and Dev Disord* 36:723–32
- Swinnen SP, Jardin K, Verschueren S *et al.* (1998) Exploring interlimb constraints during bimanual graphic performance – effects of muscle grouping and direction. *Behav Brain Res* 90:79–87
- Sykes DH, Douglas VI, Weiss G *et al.* (1971) Attention in hyperactive children and the effect of methylphenidate (Ritalin). *JCPP* 12:129–39
- Silveira-Moriyama L, Kovac S, Kurian MA *et al.* (2018) Phenotypes, genotypes, and the management of paroxysmal movement disorders. *DMCN* 60:559–65
- Symann-Louett N, Gascon G, Matsumiya Y *et al.* (1977) Wave form difference in visual evoked responses between normal and reading disabled children. *Neurol* 27:156–59
- Szaflarski JP, Binder JR & Possing ET (2002) Language lateralization in left-handed and ambidextrous people. fMRI data. *Neuro* 59: 238–44
- Szaflarski JP, Scott K, Holland SK *et al.* AW (2006) An fMRI study of language lateralization in children and adults. *Human Brain Mapp* 27:202–212
- Szatmari P, Bremner R & Nagi L (1989) Asperger's syndrome: a review of clinical features. *Can J of Psychiat* 34:554–560
- Szatmari P, Bryson SE, Streiner DL *et al.* (2000) Two-year outcome of preschool children with autism or Asperger's syndrome. *Am J Psychiat* 157:1980–87
- Szelag E, Kowalska J, Rymarczyk K *et al.* (1998) Temporal integration in a subjective accentuation task as a function of child cognitive development. *Neurosci Letters* 257:69–72
- Szwed M, Dehaene S, Kleinschmidt A *et al.* (2011) Specialization for written words over objects in the visual cortex. *Neurolm* 56:330–44
- Szymonowicz W, Yu VYH, Bajuk B *et al.* (1986) Neurodevelopmental outcome of periventricular haemorrhage and leukomalacia in infants 1250 g or less at birth. *Early Hum Devel* 14:1–7
- T—
- Tabert MH, Borod JC, Tang CY *et al.* (2001) Differential amygdala activation during emotional decision and recognition memory tasks using unpleasant words: an fMRI study. *Neuropsychol* 39:556–73
- Tacikowski P, Kalender G, Ciliberti D *et al.* (2024) Human hippocampal and entorhinal neurons encode the temporal structure of experience. *Nature*. 635:160–7
- Tager-Flusberg H (1992) Autistic children's talk about psychological states: Deficits in the early acquisition of a theory of mind. *Child Dev* 63:161–72
- Tager-Flusberg H, Boshart J & Baron-Cohen S (1998) Reading the windows to the soul: Evidence of domain-specific sparing in Williams syndrome. *J Cogn Neurosci* 10:631–9
- Tager-Flusberg H & Cooper J (1999) Present and future possibilities for defining a phenotype for Specific Language Impairment. *J Speech, Lang Hear Res* 42:1275–78
- Tager-Flusberg H, Paul R & Lord C (2005) Language and communication in autism. In: Volkmar F *et al.*, eds. *Handbook of autism and pervasive developmental disorders*. 3rd ed. Hoboken (NJ). pp 335–64
- Tagliazucchi E, Crossley N, Bullmore ET (2015) Deep sleep divides the cortex into opposite modes of anatomical–functional coupling. *Brain Struct Funct* 221:4221–34
- Tagliazucchi E, Roseman L, Kaelen M *et al.* (2016) Increased Global Functional Connectivity Correlates with LSD-Induced Ego Dissolution. *Curr Biol* 26:1043–50
- Takahashi Y, Pease CR, Pingault J-B *et al.* (2020) Genetic and environmental influences on the developmental trajectory of callous-unemotional traits from childhood to adolescence. *JCPP*
- Takahata K & Kato M (2008) Neural mechanism underlying autistic savant and acquired savant syndrome. *Brain Nerve* 60:861–9
- Takano T & Ogawa T (1998) Characterization of developmental changes in EEG-gamma band activity during childhood using the autoregressive model. *Acta Paediatr Jpn* 40:446–52
- Takano T & Ogawa T (2007) Characterization of developmental changes in EEG-gamma band activity during childhood using the autoregressive model. *Ped Intern* 40:446–52
- Takashima S, Becker LE, Armstrong DL *et al.* (1981) Abnormal neuronal development in the visual cortex of the human fetus and infant with Down's syndrome. A quantitative and qualitative Golgi study. *Brain Res* 225:1–21

- Takayama H, Kobayashi M, Sugishita M *et al.* (2000) Diffusion-weighted imaging demonstrates transient cytotoxic edema involving the corpus callosum in a patient with diffuse brain injury. *Clin Neurol Neurosurg* 102:135–9
- Takeuchi H, Taki Y, Sassa Y *et al.* (2010) White matter structures associated with creativity: evidence from diffusion tensor imaging. *NeuroImage* 51:11–8
- Talge NM, Holzman C, Wang JL, *et al.* (2010) Late-Preterm Birth and Its Association With Cognitive and Socioemotional Outcomes at 6 Years of Age. *Pediatr* 126:1124–31
- Talge NM, Neal C, Glover V *et al.* (2007) Antenatal maternal stress and long-term effects on child neurodevelopment: how and why? *JCPP* 48: 245–61
- Tallal P (1980) Language disabilities in children: a perceptual or linguistic deficit? *J Pediatr Psychol* 5:127–40
- Tallal P (1981) Language disabilities in children: perceptual correlates. *Int J Pediatr Otorhinolaryng* 3:1–13
- Tallal P, Merzenich MM, Miller S *et al.* (1998) Language learning impairments: Integrating basic science, technology, and remediation. *Exp Brain Res* 123:210–19
- Tallal P, Miller SL, Bedi G *et al.* (1996) Language comprehension in language-learning impaired children improved with acoustically modified speech. *Sci* 271:81–84
- Tallal P, Miller S, Jenkins B *et al.* (1997) The role of temporal processing in developmental language-based learning disorders: research and clinical implications. In: J Lambert et J-L Nespoulos (eds) *Perception auditive et compréhension du langage*. Solal, Marseille, pp 343–56
- Tallal P & Newcombe F (1978) Impairment of auditory perception and language comprehension in dysphasia. *Brain Lang* 5:13–24
- Tallal P, Stark, RE Kallman C *et al.* (1980) Developmental dysphasia: relation between acoustic processing deficits and verbal processing. *Neuropsychol* 18:273–84
- Tallal P, Stark RE & Mellits D (1985) The relationship between auditory temporal analysis and receptive language development: Evidence from studies of developmental language disorder. *Neuropsychol* 23:527–34
- Tallal P & Piercy M (1974) Developmental aphasia: Rate of auditory processing and selective impairment of consonant perception. *Neuropsychol* 12:83–93
- Tallet J, Albaret V & Barral J (2013) Developmental changes in lateralized inhibition of symmetric movements in children with and without Developmental Coordination Disorder. *Res Dev Disab* 34:2523–32
- Tan LE (1985) Laterality and motor skills in four-year-olds. *Child Dev* 56:119–24
- Tan U (1992) The relation of hand preference to hand performance in left-handers: Importance of the left brain. *Int J Neurosci* 65:1–10
- Tan U (1990) The left brain determines the degree of left-handedness. *Int J Neurosci* 53:75–85
- Tan XST (1985–1995) Personal communications to the team of the Developmental Dysphasia Foundation in Amsterdam.
- Tan XST (1990) Developmental dysphasia (Dutch). In: De Meyere P & Heylen L (eds). *Om-trent Logopedie 6, Proceedings XI Congress V.V.L.(Belgische Vereniging voor Logopedie)*, Antwerpen, pp145–66
- Tan XST (red 2005, 2013) *Dysfatische ontwikkeling. Theorie-Diagnostiek-Behandeling*. Amsterdam: Suyi Publicaties
- Tanguay PE (1985) Implications of hemispheric specialization for psychiatry. In: DF Benson & E Zaidel (eds) *The dual brain. Hemispheric specialization in humans*. The Guilford Press, New York, pp 375–84
- Taniguchi Y (1999) Right hemispheric contribution to motor programming of simultaneous bilateral response. *Percept Motor Skills* 88:1283–90
- Tang G, Gudsruk K, Kuo S-H *et al.* (2014) Loss of mTOR-dependent macroautophagy causes autistic-like synaptic pruning deficits. *Neuron*, 83:1131–43
- Tannock R (1998) Attention Deficit Hyperactivity Disorder: Advances in Cognitive, Neurobiological, and genetic research. *JCPP* 39:65–99
- Tantam D (1988) Asperger's syndrome. Annotation. *JCPP* 29:245–55
- Tantam D, Monaghan L, Nicholson H *et al.* (1989) Autistic children's ability to interpret faces: A research note. *JCPP* 30:623–30
- Tartaglione A, Oneto A, Manzino M *et al.* (1987) Further evidence for focal effect of right hemisphere damage on simple reaction time. *Cortex* 23:285–92
- Tarter RE, Switala J, Carra J *et al.* (1987) Neuropsychological impairment associated with hepatolenticular degeneration (Wilson's disease) in the absence of overt encephalopathy. *Intern J Neurosci* 37:67–71
- Tashjian SM, Goldenberg D, Monti MM *et al.* (2018) Sleep quality and adolescent default mode network connectivity. *Soc Cogn Affect Neurosci* 2018:290–99
- Tassinari G, Berlucchi G & Lauro-Grotto R (1999) Attentional and semantic processing in the split brain. In: Taddei-Ferretti C & Musio C (eds) *Neuronal bases and psychological aspects of consciousness*. World Scientific, Singapore, pp 186–200
- Taterka JH & Katz J (1955) Study of correlations between encephalographic and psychological patterns in emotionally disturbed children. *Psychosom Med* 17:62–72
- Taurines R, Schwenck C, Westerwald E. *et al.* (2012) ADHD and autism: differential diagnosis or overlapping traits? A selective review. *ADHD* 4:115–39
- Taylor DC (1969) Differential rates of cerebral maturation between sexes and between hemispheres. Evidence from epilepsy. *Lancet* 19:140–42
- Taylor DC (1972) Mental state and temporal lobe epilepsy. A correlative account of 100 patients treated surgically. *Epilepsia* 13:727–65
- Taylor DC, Neville BGR & Cross JH (1999) Autistic spectrum disorders in childhood epilepsy surgery candidates. *Eur Child Adol Psychiatr* 8:189–92
- Taylor EA (1980) Development of attention. In: Rutter M (ed) *Scientific foundations of developmental psychiatry*. Heinemann W, O Med Books Ltd, London
- Taylor EA (1986a) Afterword: present and future knowledge. In: Taylor (ed) *The overactive child*. Clin Dev Med 97, SIMP, Blackwell, Oxford & Lippincott, Philadelphia, pp 73–106
- Taylor EA (1986b) Attention deficit. In: Taylor (ed) *The overactive child*. Clin Dev Med 97, SIMP, Blackwell, & Lippincott, Philadelphia, pp 73–106
- Taylor EA (1986c) Impulsiveness, defiance and conduct problems. In: Taylor EA (ed) *The overactive child*. Clin Dev Med 97, SIMP, Blackwell, Oxford & Lippincott, Philadelphia, pp 107–17
- Taylor EA (1986d) Overactivity, hyperactivity and hyperkinesis: problems and prevalence. In: Taylor EA (ed) *The overactive child*. Clin Dev Med 97, SIMP, Blackwell, Oxford & Lippincott, Philadelphia, pp 1–18
- Taylor EA (1986e) Subclassification and diagnosis. In: Taylor EA (ed) *The overactive child*. Clin Dev Med 97, SIMP, Blackwell, Oxford & Lippincott, Philadelphia, pp 174–91
- Taylor EA (ed 1986f) *The overactive child*. Clin Dev Med 97, SIMP, Blackwell, Oxford & Lippincott, Philadelphia
- Taylor EA (1986g) The basis of drug treatment. In: Taylor EA (ed) *The overactive child*. Clin Dev Med 97, SIMP, Blackwell, Oxford & Lippincott, Philadelphia, pp 192–218
- Taylor EA (1986h) The causes and development of hyperactive behaviour. In: EA Taylor (ed) *The overactive child*. Clin Dev Med 97, SIMP, Blackwell, Oxford & Lippincott, Philadelphia, pp 118–60
- Taylor GJ (1984) Alexithymia: Concept, measurement, and implications for treatment. *Am J Psychiatr* 141:725–32
- Taylor HG (1984) Early brain injury and cognitive development. In: Almlil CR & Finger S (eds) *Early Brain Damage. vol 1 Research orientations and clinical observations*. Ac Press, Inc New York, pp 325–42
- Taylor JE, Yamada T, Kawashima T *et al.* (2022) Depressive symptoms reduce when dorso-lateral prefrontal cortex-precuneus connectivity normalizes after functional connectivity neuro-feedback. *Sci Rep*. 12:1581
- Taylor MJ, Charman T & Ronald A (2015) Where are the strongest associations between autistic traits and traits of ADHD? Evidence from a community-based twin study. *Eur child Adol Psych* 24:1129–138
- Taylor MJ, Edmonds GE, McCarthy G *et al.* (2001) Eyes first! Eye processing develops before face processing. *Neuroreport* 12:1671–6
- Taylor MJ, George N & Ducorps A (2001) Magnetoencephalographic evidence of early processing of direction of gaze in humans. *Neurosci Lett* 316:173–7
- Taylor MJ, Charman T, Robinson EB *et al.* (2014) Language and traits of autism spectrum conditions: Evidence of limited phenotypic and etiological overlap. *Am J Med Genet B Neuropsychiatr* 165:587–95
- Taylor MJ, Larsson H, Gillberg Ch *et al.* (2018) Investigating the childhood symptom profile of community-based individuals diagnosed with Attention-Deficit/Hyperactivity Disorder as adults. *JCPP* 60: 259–66
- Taylor MJ, Rosenblatt B & Linschoten L (1982) Electrophysiological study of the auditory system in autistic children. In: Rothenberger A (ed)

Event-related potentials in children. Elsevier Biomedical Press

Taylor SF, Liberzon I, Fig LM *et al.* (1998) The effect of emotional content on visual recognition memory – a PET activation study. *Neuroimage* 8:188–97

Tebartz van Elst L, Woermann FG, Lemieux L *et al.* (2000) Affective aggression in patients with temporal lobe epilepsy. *Brain* 123:234–43

Teicher MH (2002) Scars that won't heal: the neurobiology of child abuse. *Sci Amer March*: 54–61, en in *Cerebrum* 2:50–67

Teicher MH & Samson JA (2016) Annual Research Review: Enduring neurobiological effects of childhood abuse and neglect. *JCPP*, 57:241–66

Telford EJ, Fletcher-Watson S, Gillespie-Smith K *et al.* (2016) Preterm birth is associated with atypical social orienting in infancy detected using eye tracking. *JCPP* 57:861–8

Telkemeyer S, Rossi S, Koch SP *et al.* (2009) Sensitivity of newborn auditory cortex to the temporal structure of sounds. *J. Neurosci* 29:14726–33

Teki S (2016) A citation-based analysis and review of significant papers on timing and time perception. *Front Neurosci* 10:330

Teller DY (1983) Measurement of visual acuity in human and monkey infants: the interface between laboratory and clinic. *Behav Brain Res* 10:15–23

Temple CM (1997) *Developmental cognitive neuropsychology.* Psychol Press, Hove

Temple CM, Dennis J, Carney R *et al.* (1995) Neonatal seizures: long-term outcome and cognitive development among 'normal' survivors. *DMCN* 37:109–18

Temple CM & Ilesley J (1993) Phonemic discrimination in callosal agenesis. Note. *Cortex* 29:341–48

Temple CM & Ilesley J (1994) Sounds and shapes: Language and spatial cognition in callosal agenesis. In: Lassonde M & Jeeves M (eds) *Callosal agenesis: The natural split-brain.* Plenum Press, New York, pp 261–73

Temple CM & Martin Sanfilippo P (2003) Executive skills in Klinefelter's syndrome. *Neuropsychologia* 41:1547–59

Temple CM & Sherwood S (2002) Representation and retrieval of arithmetical facts: Developmental difficulties. *Quart J Exp Psychol Section A-Hum Exp Psychol* 55:733–52

Temple IG, Williams HG & Bateman NJ (1979) A test battery to assess intrasensory and intersensory development of young children. *Perceptual and Motor Skills* 48:643–59

TenHouten WD, Hoppe KD, Bogen JE *et al.* (1986) Alexithymia: an experimental study of cerebral commissurotomy patients and normal control subjects. *Am J Psychiat* 143:312–16

Tereno S, Atger F & Bekhechi V (2009) Mentalisation et attachement. In: *Guedeney N & Guedeney A* (eds) Paris: Masson

Terman LM (1948) The measurement of intelligence. In W Dennis (Ed) *Readings in the history of psychology* (pp. 485–96). Apleton-Century-Crofts

Tesche C & Karhu J (2000) Anticipatory cerebellar responses during somatosensory omission in man. *Hum Brain Mapp* 9:119–42

Teuber H-L (1975) Recovery of function after brain injury in man. In: Porter R & Fitzsimmons DW (eds) *Outcome of severe damage to the central nervous system.* Ciba Foundation Symposium, Elsevier, Amsterdam, pp 159–90

Thal D, Marchman V, Stiles J *et al.* (1991) Early lexical development in children with focal brain injury. *Dev Neuropsychol* 13:275–343

Thal D, Tobias S & Morrison D (1991) Language and gesture in late talkers: A one-year follow-up. *J Speech Hear Res.* 34:604–12

Tharner AHCM, Luijk PCM, Van IJzendoorn *et al.* (2011) Subcortical structures and the neurobiology of infant attachment disorganization: a longitudinal ultrasound imaging study. *Soc Neurosci* 6:336–47

Tharner A, Luijk PCM, Van IJzendoorn *et al.* (2012a) Breastfeeding and its role for Maternal Sensitive Responsiveness and Infant Attachment. *J Dev & Behav Pediatr* 33:396–404

Tharner AHCM, Luijk PCM, van IJzendoorn MH *et al.* (2012b) Maternal lifetime history of depression and depressive symptoms in the prenatal and early postnatal period do not predict infant-mother attachment quality in a large, populationbased Dutch cohort study. *Attachm Hum Dev* 14:63–81

Tharner A, Luijk PCM, Van IJzendoorn *et al.* (2012c) Infant attachment, parenting stress and child behaviour at age three. *Parenting: Sci Pract*, 12:261–81

Thatcher R (1992) Cyclic cortical reorganization during early childhood. *Brain & Cogn* 20:24–50

Thatcher RW, Walker RA & Giudice S (1987) Human cerebral hemispheres develop at different rates and ages. *Sci* 236:1110–3

Thelen E & Bates E (2003) Connectionism and dynamic systems: are they really different? *Dev Sci* 6:378–91

Thelen E, Kelso JAS & Fogel A (1987) Self-organizing systems and infant motor development. *Dev Rev* 7:39–65

Thelen E & Smith LB (1994) *A dynamic systems approach to the development of cognition and action.* MIT Press, Cambridge, MA

Thériault-Couture F, Matte-Gagné C, Bernier A (2025) Child Vocabulary and Developmental Growth in Executive Functions During Toddlerhood. *Dev Sci.* 28(3):e70010

Thickbroom GW, Byrnes ML, Archer SA *et al.* (2001) Differences in sensory and motor cortical organization following brain injury early in life. *Ann Neurol* 49:320–7

Thieme RE & Feij JA (1986) Tyramine, a new clue to disinhibition and sensation seeking? *Person Individ Diff* 7:349–54

Thiringer K, Kankkunen A, Lidén G *et al.* (1984) Perinatal risk factors in the aetiology of hearing loss in preschool children. *DMCN* 26:799–807

Thirumalai SS, Shubin RA & Robinson R (2002) Rapid eye movement sleep behavior disorder in children with autism. *J Child Neurol* 17:173–8

Thomas YM, Bedi KS, Davies CA *et al.* (1979) A stereological analysis of the neuronal and synaptic content of the frontal and cerebellar cor-

tex of weanling rats undernourished from birth. *Early Hum Dev* 3:109–26

Thomas KM, Drevets WC, Whalen PJ *et al.* (2001) Amygdala response to facial expressions in children and adults. *Biol Psychiat* 49:309–16

Thomas RM, De Sanctis T, Gazzola V *et al.* (2018) Where and how our brain represents the temporal structure of observed action. *NeuroImage* 183:677–97

Tomasello M (1999) *The cultural origins of human cognition.* Harvard Univ Press, Cambridge

Tomasello M & Haberl K (2003) Understanding attention: 12- and 18-month-olds know what's new for other persons. *Dev Psychol* 39:906–12

Thomason ME, Brown JA, Dassanaya-ke MT *et al.* (2014) Intrinsic functional brain architecture derived from graph theoretical analysis in the human fetus. *PLoS ONE* 9:e94423

Thomé U, Batista LA, Rocha RP *et al.* (2024)

The Important Role of Hemispherotomy for Rasmussen Encephalitis: Clinical and Functional Outcomes. *Pediatr Neurol.* 150:82–90

Thompson AJ, Tillotson S. Smith *et al.* (1993) Brain MRI changes in phenylketonuria: Associations with dietary status. *Brain* 116:811–21

Thompson AM & Smart JL (1993) A prospective study of the development of laterality: Neonatal laterality in relation to perinatal factors and maternal behavior. *Cortex* 29:649–59

Thompson NM, Hecht JT, Bohan TP *et al.* (1999) Neuroanatomic and neuropsychological outcome in school-age children with achondroplasia. *Am J Med Gen* 88:145–53

Thompson PA, Hulme C, Nash HM *et al.* (2015), Developmental dyslexia: predicting individual risk. *JCPP* 56:976–87

Thompson PM, Giedd JN, Woods RP *et al.* (2000) Growth patterns in the developing brain detected by using continuum mechanical tensor maps. *Nature* 404:190–3

Thompson RJ (1986) *Behavior Problems in Children with Developmental and Learning Disabilities.* Int Ac Res Learn Disab Monogr Series, Nr 3, The Un Michigan Press, Ann Arbor

Thomsen PH (1998) Obsessive-compulsive disorder in children and adolescents. Clinical guidelines. *Eur Child Adolesc Psychiat* 7:1–11

Thomson G (1985) The mode of inheritance of the HLA-linked gene predisposing to narcolepsy. *Tissue Antigens* 26:201–3

Thoonen G (1998) *Developmental apraxia of speech in children. Quantitative assessment of speech characteristics.* Thesis. PrintPartners Ips-kamp BV, Enschede, pp 225

Thunström M (2002) Severe sleep problems in infancy associated with subsequent development of attention-deficit/hyperactivity disorder at 5.5 years of age. *Acta Paediatr* 91:584–92

Thut G, Halsband U, Regard M *et al.* (1997) What is the role of the corpus callosum in intermanual transfer of motor skills? A study of three cases with pathology. *Exp Brain Res* 113:365–70

Tick B, Bolton P, Happé F *et al.* (2016) Heritability of autism spectrum disorders: a meta-analysis of twin studies. *JCPP* 57:585–95

- Till C, Noguera A, Verhey LH *et al.* (2016) Cognitive and Behavioral Functioning in Childhood Acquired Demyelinating Syndromes. *J Intern Neuropsychol Soc*, 22:1050–60
- Timmann D, Watts S & Hore J (1999) Failure of cerebellar patients to time finger opening precisely causes ball high-low inaccuracy in over-arm throws. *J Neurophysiol* 82:103–14
- Tinazzi M & Zanette G (1998) Modulation of ipsilateral motor cortex in man during unimanual finger movements of different complexities. *Neurosci Letters* 244:121–4
- Tinbergen EA & Tinbergen N (1972) Early childhood autism; an ethological approach. *J Comp Ethol* 10
- Tizard B & Harvey D (1977) *Biology of play*. Clin Dev Med 62. Heinemann, London & Lippincott, Philadelphia
- Tkalcec A, Baldassarri A, Junghans A *et al.* (2025) Gaze behavior, facial emotion processing, and neural underpinnings: A comparison of adolescents with autism spectrum disorder and conduct disorder. JCPP May 26
- Todd RD (2000) Genetics of childhood disorders: XXI. ADHD, Part 5: a behavioral genetic perspective. *JAACAP* 39:1571–73
- Todd RD & Cianarello RD (1985) Early infantile autism and the childhood psychoses. In: Vinken PJ, Bruyn GW, Klawans HL *et al.* (eds) *Neurobehavioural disorders*. Elsevier, Amsterdam, pp 189–98
- Tomaïuolo F, Di Paola M & Caravale B (2002) Morphology and morphometry of the corpus callosum in Williams syndrome: A T1-weighted MRI Study. *Neuroreport* 13:2281–4
- Tomaïuolo F, Nocentini U, Grammaldo L *et al.* (2001) Interhemispheric transfer time in a patient with a partial lesion of the corpus callosum. *Neuro-report* 12:1469–72
- Tomasch J (1954) Size, distribution and number of fibers in the human corpus callosum. *Anat Rec* 119:119–35
- Tomasello M (1999) *The cultural origins of human cognition*. Cambridge: Harvard Univ Press,
- Tomasello M & Haberl K (2003) Understanding attention: 12- and 18-month-olds know what's new for other persons. *Dev Psychol* 39:906–12
- Tomasino B, Weiss PH & Fink GR (2010) To move or not to move: Imperatives modulate action-related verb processing in the motor system. *Neurosci* 169:246–58
- Tomatis AA (1991) Pourquoi Mozart? Paris: Editions Fixot
- Tomatis A (1991) *L'oreille e le langage*. Paris: Ed du Seuil
- Tomatis AA (1996) The ear and language. The Ear and Language. Canada: Moulin
- Tomblin JB, Smith E & Zhang X (1997) Epidemiology of specific language impairment: Prenatal and perinatal risk factors. *J Comm Dis* 30:325–42
- Tonsgard JH, Harwicke N & Levine SC (1987) Klüver-Bucy syndrome in children. *Pediatr Neurol* 3:162–65
- Tops M, van IJzendoorn MH, Riem MME *et al.* (2011) Oxytocin receptor gene associated with the efficiency of social auditory processing. *Frontiers Psychiat* 2:60
- Torgesen JK & Houck DG (1980) Processing deficiencies of learning-disabled children who perform poorly on the digit span test. *J Educat Psychol* 72:141–60
- Torgesen JK (1985) Memory processes in reading disabled children. *J Learn Disabil* 18:350–57
- Toro R, Fox PT & Paus T (2008) Functional co-activation map of the human brain. *Cer Cortex* 18:2553–9
- Torotchuk JA & Ellis GFR (2007) Disgust: Sensory affect or primary emotional system? *Cogn Emot*, 21: 1799–1818
- Torrioli MG, Frisone MF, Bonvini L *et al.* (2000) Perceptual-motor, visual and cognitive ability in very low birthweight preschool children without neonatal ultrasound abnormalities. *Brain Dev* 22:163–8
- Toshiba A, Fuji, T, Fukatsu R, *et al.* (1990) Auditory sound agnosia without aphasia following a right temporal lobe lesion. *Cortex* 26:263–68
- Tournier JD, Yeh CH, Calamante F *et al.* (2008). Resolving crossing fibres using constrained spherical deconvolution: Validation using diffusion-weighted imaging phantom data. *NeuroImage* 42:617–25
- Touwen BCL (1971) A study on the development of some motor phenomena in infancy. *DMCN* 13:435–46
- Touwen BCL (1979) *Examination of the child with minor neurological dysfunction*. Clin Dev Med 71, SIMP. Heinemann, London & Lippincott, Philadelphia
- Touwen BCL (1979) Laterality. In: Rutter M (ed) *Scientific foundations of developmental psychiatry*. Heinemann, London, pp 154–64
- Touwen BCL (1984) *De neurologische ontwikkeling van de zuigeling*. Bohn Scheltema Holkema, Utrecht
- Touwen BCL (1984) *Neurological development in infancy*. Clin in Dev Med 75, SIMP. Heinemann, London & Lippincott, Philadelphia
- Touwen BCL, Hadders-Algra M, Huisjes HJ (1988) Hypotonia at six years in prematurely-born or small-for-gestational-age children. *Early Hum Dev* 17:79–88
- Touwen BCL & Huisjes HJ (1984) Obstetrics, neonatal neurology and later outcome. In: CR Almlil and S Finger (eds) *Early Brain Damage. vol i Research orientations and clinical observations*. Academic Press, New York, pp 169–87
- Touwen BCL, Huisjes HJ, Jurgens-vd Zee AD *et al.* (1980) Obstetrical condition and neonatal neurological morbidity. An analysis with the help of the optimality concept. *Early Hum Dev* 43:207–28
- Touwen BCL, Lok-Meijer TY, Huisjes HJ *et al.* (1982) The recovery rate of neurologically deviant newborns. *Early Hum Dev* 7:131–48
- Towbin A (1981) Neuropathological aspects: II. Perinatal brain damage and its sequels. In: P Black (ed) *Brain dysfunction in children: Etiology, diagnosis, and management*. Raven, New York, pp 47–77
- Towse JN, Hitch GJ & Skeates S (1999) Developmental sensitivity to temporal grouping effects in short-term memory. *Int J Behav Dev* 23:391–411
- Toyokura M, Muro I, Komiya T *et al.* (1999) Relation of bimanual coordination to activation in the sensorimotor cortex and supplementary motor area: Analysis using
- Tozer L (2024) Your perception of time is skewed by what you see. *Nature*. Apr 22
- Trainor LJ, Shahin AJ, Roberts LE (2009) Understanding the Benefits of Musical Training: Effects on Oscillatory Brain Activity. *Ann N Y Acad Sci*. 1169:133–42
- Trauner DA, Chase Chr, Walker P *et al.* (1993) Neurologic profiles of infants and children after perinatal stroke. *Pediatr Neurol* 9:383–6
- Trauner D, Nass R & Ballantyne A (2001) Behavioural profiles of children and adolescents after pre- or perinatal unilateral brain damage. *Brain* 124:995–1002
- Trauner D, Wulfbeck B, Tallal P *et al.* (2000) Neurological and MRI profiles of children with Developmental Language Impairment. *DMCN* 42:470–5
- Treffers Ph (1975) Over doodjes en andere cijfers. in: Isaac-Edersheim EH, De Levita DJ & Strubbe W (red.) *Opstellen uit de kinderpsychiatrie*. Deventer: Van Loghum Slaterus
- Treffert DA (1988) The idiot savant: a review of the syndrome. *Am J Psychiat* 145:563–72
- Treffert DA (1999) The savant syndrome and autistic disorder. *CNS Spectr* 4:57–60
- Trescher WH, Lehman AW & Vannucci RC (1990) The influence of growth retardation on perinatal hypoxic-ischemic brain damage. *Early Hum Dev* 21:165–73
- Trevarthen C (1979) Communication and cooperation in early infancy. A description of early intersubjectivity. In: M Bullova (ed) *Before speech: The beginning of human communication*. Cambridge Un Press, Cambridge, pp 321–47
- Trevarthen C (1986) Form, significance and psychological potential of hand gestures of infants. In: J-L Nespoulous, P Perron and A Roch Lecours (eds) *The biological foundations of gestures: Motor and semiotic aspects*. Iea, Hillsdale, New Yersey, pp 149–202
- Trevarthen C (1990) Growth and education of the hemispheres. In: *Brain circuits and functions of the mind*, ed. C Trevarthen. Cambridge, MA: Cambridge University Press, pp. 334–63
- Trevarthen C (1996) Lateral asymmetries in infancy: implications for the development of the hemispheres. *Neurosci Biobehav Rev* 20:571–86
- Trevarthen C & Aitken KJ (2001) (French2003/4) Intersubjectivité chez le nourisson: recherche, théorie et application clinique. Devenir: Médecine et Hygiène 15:309–428, translated by dr. Annik Graham from Trevarthen C & Aitken KJ (2001) *JCPP* 42:3–48
- Triggs WJ, Calvanio R & Levine M (1997) Transcranial magnetic stimulation reveals a hemispheric asymmetry correlate of intermanual differences in motor performance. *Neuropsychol* 35:1355–63
- Triggs WJ, Calvanio R, Levine M *et al.* (2000) Predicting hand preference with performance on motor tasks. *Cortex* 36:679–89
- Trillingsgaard A, Sørensen EU, Nemec G *et al.* (2005) What distinguishes autism spectrum disorders from other developmental disorders before the age of four years? *Eur Child Adolesc Psychiat* 14:65–72

- Trimble MR (1983) Anticonvulsant drugs and psychosocial development: phenobarbitone, sodium valproate, and benzodiazepine. In: PL Morselli, CE Pippenger and JK Penry (eds) *Antiepileptic drug therapy in pediatrics*. Raven Press, New York, pp 201–17
- Trimble MR & Thompson PJ (1984) Sodium valproate and cognitive function. *Epilepsia* 25:S60–S64
- Troisi E, Silvestrini M, Matteis M *et al.* (1999) Emotion-related cerebral asymmetry: Hemodynamics measured by functional ultrasound. *J Neurol* 246:1172–6
- Tromner BL, Hoeppner J–AB, Lorber R *et al.* (1988) The go–no–go paradigm in attention deficit disorder. *Ann Neurol* 24:610–14
- Tromp SC, Weber JW, Aldenkamp AP *et al.* (2003) Relative influence of epileptic seizures and of epilepsy syndrome on cognitive function. *J Child Neurol* 18:407–12
- Trope I, Fishman B, Gur R *et al.* (1987) Contralateral and ipsilateral control of fingers following callosotomy. *Neuropsychol* 25:287–91
- Trope I, Rozin P, Kemler Nelson D *et al.* (1992) Information processing in the separated hemispheres of callosotomy patients: Does the analytic–holistic dichotomy hold? *Brain Cogn* 19:123–47
- Trouton A, Spinath FM & Plomin R (2002) Twins Early Development Study (TEDS): A multivariate, longitudinal genetic investigation of language, cognition and behavior problems in childhood. *Twin Res* 5:444–8
- Tsai LY, Jacoby ChG & Stewart MA (1983) Morphological cerebral asymmetries in autistic children. *Biol Psychiat* 18:317–27
- Tsakiris M (2010) My body in the brain: a neurocognitive model of body-ownership. *Neuropsychol* 48:703–12
- Tsakiris M & Haggard P (2005) Experimenting with the acting self. *Cogn Neuropsychol* 22:387–407
- Tsakiris M, Longo MR & Haggard P (2010) Having a body versus moving your body: Neural signatures of agency and body ownership. *Neuropsychol* 48:2740–49
- Tsetsos F, Topaloudi A, Jain P *et al.* (2024) Genome-Wide Association Study Points to Novel Locus for Gilles de la Tourette Syndrome. *Biol Psychiat*. 96:114–124
- Tsuboi T & Nielsen J (1985) Electroencephalographic examination of 64 Danish Turner girls. *Acta Neurol Scand* 72:590–601
- Tuchman RF & Rapin I (1997) Regression in pervasive developmental disorders: seizures and epileptiform electroencephalogram correlates. *Pediatrics* 99:560–66
- Tuchman RF, Rapin I & Shinnar S (1991) Autistic and dysphasic children. I. Clinical characteristics. *Pediatr* 88:1211–18
- Tucker DM (1981) Lateral brain function, emotion, and conceptualization. *Psychol Bull* 89:19–46
- Tucker DM & Derryberry D (1992) Motivated attention: anxiety and the frontal executive functions. *Neuropsychiat, Neuropsychol Beh Neurol* 5:233–52
- Tucker DM & Williamson PA (1984) Asymmetric neural control systems in human self-regulation. *Psychol Review* 91:185–215
- Tükel S, Björelid H, Henningsson G *et al.* (2015) Motor functions and adaptive behaviour in children with childhood apraxia of speech. *Inter J Speech-Lang Pathol* 17:470–80
- Tulving E (1973) Episodic and semantic memory. In E Tulving and W Donaldson (eds) *Organization of memory*. Academic Press, New York, pp 382–404
- Tulving E (1984) Précis of Elements of episodic memory. *Behav Brain Sci* 7:223–68
- Tulving E & Schacter DL (1990): Priming and human memory systems. *Sci* 247:301–6
- Turecek J, Lehnert BP & Ginty DD (2022) The encoding of touch by somatotopically aligned dorsal column subdivisions. *Nature* 612:310–315
- Türk AA, Brown WS, Symington M *et al.* (2010) Social narratives in agenesis of the corpus callosum: linguistic analysis of the Thematic Apperception Test. *Neuropsychol*. 48:43–50
- Türk J & Cornish K (1998) Face recognition and emotion perception in boys with fragile–X syndrome. *J Intell Dis Res* 42:490–99
- Turner SJ, Mayes AK, Verhoeven A *et al.* (2015) GRIN2A: an aptly named gene for speech dysfunction. *Neurol* 8:586–93
- Thomsen PH (1998) Obsessive–compulsive disorder in children and adolescents. Clinical guidelines. *Eur Child Adolesc Psychiat* 7:1–11
- Tsakiris M (2010) My body in the brain: a neurocognitive model of body-ownership. *Neuropsychol* 48:703–12
- Turkeltaub PE, Gareau L, Flowers DL *et al.* (2003) Development of neural mechanisms for reading. *Nat Neurosci* 6:767–73
- Turkewitz G (1977) The development of lateral differences in the human infant. In: Harnad S, Doty RW, Goldstein L *et al.* (eds) *Lateralization in the nervous system*. Acad Press, New York, pp 251–60
- Turkheimer FE, Leech R, Expert P *et al.* (2015) The brain's code and its canonical computational motifs. From sensory cortex to the default mode network: A multi-scale model of brain function in health and disease. *Neurosci. Biobehav Rev Neurosci Biobehav Rev* 55: 211–22
- Turnbull A, Garfinkel SN, Ho NSP *et al.* (2020) Word up - Experiential and neurocognitive evidence for associations between autistic symptomatology and a preference for thinking in the form of words. *Cortex*. 128:88–106
- Turnbull A, Wang HT, Murphy C *et al.* (2019) Left dorsolateral prefrontal cortex supports context-dependent prioritisation of off-task thought. *Nature Comm*, 10(1).
- Turnbull OH (1999) Of Two Minds About Two Visual Systems. *Psyche* 5
- Turnbull OH (2000) Personal memories of experimental psychology and psychoanalysis. *Neuro-psychoanal* 2:258–9
- Turner HH (1938) A syndrome of infantilism, congenital webbed neck and cubitus valgus. *Endocrinology* 23:566–78
- Tymchuk AJ, Knights RM & Hinton GC (1970) Neuropsychological test results of children with brain lesions, abnormal EEGs and normal EEG's. *Can J Behav Sci* 2:322–29
- Tyska JM, Kennedy DP, Adolphs R *et al.* (2011) Intact Bilateral Resting-State Networks in the Absence of the Corpus Callosum. *J Neurosci* 31:15154–62
- Tzavaras A (1972) La reconnaissance du visage humain et les lésions hémisphériques. In: H Hécaen (ed) *Neuropsychologie de la perception visuelle*. Masson, Paris, pp 251–64
- Tzourio-Mazoyer N (2016) Intra- and Inter-hemispheric Connectivity Supporting Hemispheric Specialization. In: Kennedy H, van Essen DC, Christen Y (eds) *Micro-, Meso- and MacroConnectomics of the Brain*. Springer, Swiss open access
- Tzourio N, Heim A, Zilbovicius M *et al.* (1994) Abnormal regional CBF response in left hemisphere of dysphasic children during a language task. *Pediatr Neurol* 10:20–6
- Tzourio-Mazoyer N, Petit L, Zago L *et al.* (2015) Between-hand difference in ipsilateral deactivation is associated with hand lateralization: fMRI mapping of 284 volunteers balanced for handedness. *Front Hum Neurosci* 9:5

U

- Ucko E (1965) Comparative study of asphyxiated and non-asphyxiated boys from birth to five years. *DMCN* 7:643–57
- Uddin J, Alharbi N, Uddin H *et al.* (2020) Parenting stress and family resilience affect the association of adverse childhood experiences with children's mental health and attention-deficit/hyperactivity disorder. *J Affect Disord*. 272:104–9
- Uddin LQ (2014) Salience processing and insular cortical function and dysfunction. *Nat Res Neurosci*. Publ online 19 Nov
- Uddin L Q, Nomi JS, Hébert-Seropian B *et al.* (2017) Structure and Function of the Human Insula. *J Clin Neurophysiol* 34:300–6
- Uddin LQ, Supekar K, Lynch CJ *et al.* (2013). Salience Network–Based Classification and Prediction of Symptom Severity in Children With Autism. *JAMA Psychiat*. 70: 869–79
- Uecker A & Nadel L (1996) Spatial locations gone awry: Object and spatial memory deficits in children with fetal alcohol syndrome. *Neuropsychol* 34:209–23
- Uezato A, Toyofuku A, Umezaki Y *et al.* (2019) Oral dysesthesia associated with autistic traits: a retrospective chart review. *Eur J Oral Sci* 127:347–50
- Uhlig T, Merckenschlager A, Brandmaier R *et al.* (1997) Topographic mapping of brain electrical activity in children with food-induced Attention Deficit Hyperkinetic Disorder. *Eur J Pediatr* 156:557–61
- Uhlrich DA (2000) Test of gross motor development. TGMD-3. Pro-ed Austin(Texas)
- Uldall P, Sahlholdt L & Alving J (2000) Landau–Kleffner syndrome with onset at 18 months and an initial diagnosis of pervasive developmental disorder. *Eur J Paed Neurol* 4:81–86
- Ulfig N, Nickel J & Saretzki U (1998) Alterations in myelin formation in fetal brains of twins. *Pediatr Neurol* 19:287–93
- Uljarević M, Cooper MN, Bebbington K *et al.* (2020) Deconstructing the repetitive behaviour

- phenotype in autism spectrum disorder through a large population-based analysis. *JCPP* doi.org/10.1111/jcpp.13203
- Uljarević M, Katsos N, Hudry K *et al.* (2016) Practitioner Review: Multilingualism and neurodevelopmental disorders – an overview of recent research and discussion of clinical implications. *JCPP* 57:1205–17
- Ullman MT, Earle FS, Walenski M *et al.* (2019) The neurocognition of developmental disorders of language. *Annu Rev Psychol* 71:389–417
- Ullman MT, Corkin S, Coppola M *et al.* (1997) A neural dissociation within language: Evidence that the mental dictionary is part of declarative memory, and that grammatical rules are processed by the procedural system. *J Cogn Neurosci* 9:266–76
- Uluulp SO, Biswal BB, Yetkin FZ *et al.* (1998) Functional magnetic resonance imaging of auditory cortex in children. *Laryngosc* 108:1782–6
- Underwood E (2013) Faulty Brain Connections in Dyslexia? *Sci* 342:1158
- Ung H, Cazares C, Nanivadekar A, *et al.* (2017) Interictal Epileptiform Activity Outside the Seizure Onset Zone Impacts Cognition. *Brain* 140:2157–68
- Ungerleider LG & Mishkin M (1982) Two cortical visual systems. In: Ingle DJ *et al.* (eds) *Analysis of visual behaviour*. MIT press, Cambridge (MA) pp. 549–86
- Uno H, Eisele S, Sakai A *et al.* (1994) Neurotoxicity of glucocorticoids in the primate brain. *Hormones Behav* 28:336–48
- Uno H, Lohmiller I, Thieme C *et al.* (1990) Brain damage induced by prenatal exposure to dexamethasone in fetal rhesus macaques. I. Hippocampus. *Dev Brain Res* 53:157–67
- Uomini NT (2009) The prehistory of handedness: Archaeological data and comparative ethology. *J Hum Evol* 57:411–19
- Uomini NT & Meyer GF (2013) Shared Brain Lateralization Patterns in Language and Acheulean Stone Tool Production: A Functional Transcranial Doppler Ultrasound Study. *PLOS One* 8:e72693
- Urion DK (1988) Nondextrality and autoimmune disorders among relatives of language-disabled boys. *Ann Neurol* 24:267–69
- Usui K, Ikeda A, Takayama M *et al.* (2003) Conversion of semantic information into phonological representation: A function in left posterior basal temporal area. *Brain* 126:632–41
- Uttner I, Kraft E, Nowak DE *et al.* (2007) Mirror Movements and the Role of Handedness: Isometric Grip Forces Changes. *Mot Contr* 11:16–28
- Uwer R, Albrecht R & von Suchodoletz W (2002) Automatic processing of tones and speech stimuli in children with specific language impairment. *DMCN* 44:527–32
- V** —
- Vaivre-Douret L (1997) *Précis théorique et pratique du développement moteur du jeune enfant*. Elsevier, Amsterdam, pp 117
- Vaivre-Douret L (1997) *Evaluation de la motricité gnosphaxique distale. Adaptation du test d'imitation de gestes de Bergès –Lézine*. EdCPA, Paris
- Valentova J, Foit J, Freudenfeld P *et al.* (2023) Different Subgroups of Homosexuality: Great Ideas, Little Evidence, Promising Future. *Arch Sex Behav*. 52:3013–8
- Valian V (2015) Bilingualism and cognition. *Bilingual: Lang Cogn* 18:3–24
- Valk J (1987) *MRI of the brain, spine, head and neck. Atlas of clinical applications*. Martinus Nijhoff Publ, Dor-drecht, Boston, Lancaster
- Valk J, MacClean C & Algra PR (1985) *Basic Principles of nuclear magnetic resonance imaging*. Elsevier, Amsterdam
- Vallaey M & Vandroemme G (1998) *Psychomotiek bij kinderen*. Acco, Leuven
- Vallar G, Di Betta AM & Silveri MC (1997) The phonological short-term store–rehearsal system: Patterns of impairment and neural correlates. *Neuropsychol* 35:795–812
- Vallar G & Paagno C (2002) Neuropsychological impairments of verbal short-term memory. In: Baddeley AD *et al.*, eds. *The Handbook of Memory Disorders*. 2nd ed. Chichester, UK: Wiley; pp. 249–70
- Vallar G & Perani D (1986) The anatomy of unilateral neglect after right-hemisphere stroke lesions. A clinical–CT–Scan correlation study in man. *Neuropsychol* 24:609–22
- Vallobo AB, Olafsson H, Wessberg J *et al.* (1993) A system of unmyelinated afferents for innocuous mechanoreception in the human skin. *Brain Res*, 628:301–4.
- Vallobo AB, Olafsson H, Wessberg J (1999) Unmyelinated afferents constitute a second system coding tactile stimuli of the human hairy skin. *J Neurophysiol*, 81:2753–63
- Vallortigara G, Rogers LJ & Bisazza A (1999) Possible evolutionary origins of cognitive brain lateralization. *Brain Res Brain Res Rev* 30:164–75
- Valois R, Tojal C, Barros H *et al.* (2023) Perinatal and social risk of poor language, memory, and learning outcomes in a cohort of extremely and very preterm children. *Child Neuropsychol*. 29:906–21
- Valvo A (1971) Sight–operation after long–term blindness: The problems in behavior patterns of visual rehabilitation. In: Clarck LL & Jasztrzemski ZZ (eds) *The American foundation for the blind*. Consulting Psychologists Press Inc, Palo Alto, California New York
- Van Agtmael T, Forest SM, Del-Favero J *et al.* (2003) Parametric and nonparametric genome scan analyses for human handedness. *Eur J Hum Gen* 11:779–83
- Van Amelsvoort Th, Daly E, Critchley H *et al.* (2000) Structural and functional brain abnormalities associated with deletions at 22q11. Abstract V1th int symp soc study beh phenotypes., San Servolo, Venice. *J Child Neurol* 15:619
- Van Arnhem M, van den Munckhof B, Arzimanoglou A *et al.* (2020). Corticosteroids versus clobazam in epileptic encephalopathy with ESES: a European multicentre randomised controlled clinical trial (RESCUE ESES*). *Trials*, 21
- Van Baal GCM, Boomsma DI & Geus EJC *et al.* (2001) Longitudinal genetic analysis of EEG coherence in young twins. *Behav Genet* 31:637–51
- Van Baar A & de Graaff BMT (1994) Cognitive development at preschool–age of infants of drug–dependent mothers. *DMCN* 36:1063–75
- Van Balkom IDC, Groen SE, Barth PG *et al.* (1999) Syndroomgebonden gedragskenmerken bij verstandelijk gehandicapten. *T v Kindergeren* 67:1–6
- Van Beilen M, de Jong BM, Gieteling EW *et al.* (2011) Abnormal Parietal Function in Conversion Paresis. *PLoS ONE* 6(10): e25918
- Van Berkum J (2018) Language comprehension, emotion, and sociality aren't we missing something. In: Rueschemeyer SA & Gaskell G (Ed.). *Oxford Handbook of Psycholinguistics*. pp. 644–669 Oxford: Oxford Un Press
- Van Bogaert P, Donner C, David Ph *et al.* (1996) Congenital bilateral perisylvian syndrome in a monozygotic twin with intra–uterine death of the co–twin. *DMCN* 38:166–71
- Van Berkum J, Dhooge I, Verhoye K, *et al.* (1999) Communication problems in Turner syndrome: A sample survey. *J Communication Disord* 32:435–46
- Van Borssel J (2003) Diagnostiek van spraakstoornissen bij kinderen: een fonetische benadering. *Stem-, Spraak- Taalpathol* 11:270–81
- Van Braeckel KN & Taylor HG (2013) Visuospacial and visuomotor deficits in preterm children: the involvement of cerebellar dysfunctioning. *DMCN* 55:19–22
- Van Daal J, Verhoeven L & van Balkom H (2007) Behaviour problems in children with language impairment *JCPP* 48: 1139–47
- Van Campen C (2005) *Tussen zinnen. Synthesie van hoe de zintuigen samenwerken*. Uitg. Zien
- Van de Bor M, Ens-Dokkum M, Schreuder AM *et al.* (1993) Outcome of periventricular–intraventricular haemorrhage at five years of age. *DMCN* 35:33–41
- Van de Bor M, Guit GL, Schreuder AM *et al.* (1989) Early detection of delayed myelination in preterm infants. *Pediatrics* 84:407–11
- Van de Bor M, Guit GL, Schreuder AM *et al.* (1989) Does very preterm birth impair myelination of the central nervous system? *Neuroped* 21:37–39
- Van de Werken, M, Giménez MC, de Vries B *et al.* (2013) Short-wavelength attenuated polychromatic white light during work at night: limited melatonin suppression without substantial decline of alertness. *Chronobiol Int*, 30:843–54
- Van den Bedem N (2023) *Emotions and the psychosocial development of children with and without Developmental Language Disorder*. Thesis, Un Leiden
- Van den Bos E, de Rooij M, Sumter SR *et al.* (2016) Continued development of recursive thinking in adolescence: longitudinal analyses with a revised recursive thinking test. *Cogn Dev*. 37:28–41 Van den Bos KP (1979) Learning disabilities and WISC– or WISC–r profiles. *(Dutch) Pedagog stud* 56:397–408
- Van den Brande JL, Heymans HAS & Monnens LAH (red. 2004) *Kindergeren*. Elsevier/Reed Business

- Van den Dries L, Juffer F, Van IJzendoorn MH *et al.* (2010) Infants' physical and cognitive development after international adoption from foster care or institutions in China. *J Dev Beh Pediatr* 31:144–50
- Van den Heuvel MP, Kersbergen KJ, de Reus MA *et al.* (2015) The Neonatal Connectome During Preterm Brain Development. *Cereb Cortex* 5:3000–13
- Van den Heuvel MP, Mandl RC, Kahn RS, *et al.* (2009) Functionally linked resting-state networks reflect the underlying structural connectivity architecture of the human brain. *Hum Brain Mapp* 10:3127–41
- Van den Heuvel MP, Turk E, Manning JH *et al.* (2018) Hubs in the human fetal brain network. *Dev Cogn Neurosci*. 30:108–15
- Van den Heuvel MP & Sporns O (2011) Rich-club organization of the human connectome *J Neurosci* 31:15775–86
- Van den Heuvel MP, Stam CJ, Kahn RS *et al.* (2009). Efficiency of functional brain networks and intellectual performance. *J Neurosci* 29:7619–24
- Van den Heuvel MP, van Soelen IL, Stam CJ *et al.* (2012) Genetic control of functional brain network efficiency in children. *Eur Neuropsychopharmacol* 23:19–23
- Van den Hout BM, Steirs P, Haers M *et al.* (2000) Relation between visual perceptual impairment and neonatal ultrasound diagnosis of haemorrhagic–ischaemic brain lesions in 5–year–old children. *DMCN* 42:376–86
- Van der Gaag RJ & Buitelaar J (1993) Klinische diagnostiek en differentiaaldiagnostiek van hyperactief gedrag en aandachtsproblemen. In: Buitelaar J (red) *Diagnostiek en behandeling van adhd*. Stichting onder wijs en Voorlichting, Utrecht
- Van der Gaag RJ, Buitelaar JK, van den Ban E *et al.* (1995) A controlled multivariate chart review of multiple complex developmental disorder. *JAACAP* 34:1096–1106
- Van der Haegen L, Acke F, Vingerhoets G *et al.* (2016) Laterality and unilateral deafness: Patients with congenital right ear deafness do not develop atypical language dominance *Neuropsychol* 93:482–92
- Van der Haegen L, Cai Q & Brysbaert M (2012) Colateralization of Broca's area and the visual word form area in left-handers: fMRI evidence. *Brain & Lang* 122 :171–78
- Van der Haegen L, Cai Q, Stevens MA *et al.* (2013) Interhemispheric communication influences reading behavior. *J Cogn Neurosci* 25:1442–52
- Van der Hart O (1978) Overgang en besteding. Over het ontwerpen en voorschrijven van rituelen in psychotherapie. Proefschrift, Leiden
- Van der Hart O (2000). Psychic trauma: The disintegrating effects of overwhelming experience on mind and body.. Uni Melbourne, Fac Medicine, Dentistry and Health Sciences.
- Van der Hart O, Nijenhuis ERS, Steele K (2006) *The Haunted Self: Structural Dissociation and the Treatment of Chronic Traumatization*. 1st ed. W. W. Norton & Company
- Van der Hart O, Nijenhuis ERS, Steele K (2010) Het belaagde zelf. Structurele dissociatie en de behandeling van chronische traumatisering. Amsterdam: Boom uitg.
- Van der Heijden AC, van den Heuvel OA, van der Werf YD *et al.* (2022). Sleep as a window to target traumatic memories. *Neurosci Biobehav Rev*. 140, Article 104765
- Van der Knaap MS, Barth PG, Stroink H *et al.* (1995) Leukoencephalopathy with swelling and a discrepantly mild clinical course in eight children. *Ann Neurol* 37:324–34
- Van der Knaap MS & Bugiani M (2017) Leukodystrophies: a proposed classification system based on pathological changes and pathogenetic mechanisms. *Acta Neuropathol*. 134:351–82
- Van der Knaap MS, Kamphorst W, Barth PG *et al.* (1998) Phenotypic variation in leukoencephalopathy with vanishing white matter. *Neurol* 51:540–7
- Van der Knaap MS, SchiffmannR, Mochet F *et al.* (2019) Diagnosis, prognosis, and treatment of leukodystrophies. *Lancet Neurol*. PMID 31307818 DOI
- Van der Knaap MS, Smit LS, Nauta JJP *et al.* (1993) Cortical laminar abnormalities – Occurrence and clinical significance. *Neuropediatr* 24:143–8
- Van der Knaap MS & Valk J (1988) Classification of congenital abnormalities of the central nervous system. *AJNR* 9:315–26
- Van der Knaap MS & Valk J (1990) MR imaging of the various stages of normal myelination during the first year of life. *Neuroradiol* 31:459–70
- Van der Knaap MS & Valk J (2005) *Magnetic resonance of myelin, myelination, and myelin disorders*. 3rd Ed Springer, Berlin
- Van der Knaap MS, Verhoeven NM, Maaswinkel–Mooij P *et al.* (2000) Mental retardation and behavioral problems as presenting signs of a creatine synthesis defect. *Ann Neurol* 47:540–3
- Van der Kolk B (2000) Posttraumatic stress disorder and the nature of trauma. *Dialogues in Clinical Neuroscience* . Vol 2. No. 1
- Van der Kolk B (2006) Posttraumatic stress disorder and the nature of trauma. Clinical Implications of Neuroscience. Research in PTSD. *ANYAS* 1071:277–93
- Van der Kolk B (2016/2022) Traumaspooren. Eeserveen: Uit. Mens!
- VanderLaan DP, Skorska MN, Peragine DE *et al.* (2022) Carving the biodevelopment of same-sex sexual orientation at its joints. *Arch Sex Behav*. 52:2939–62
- Vandermeulen JAM, Ansink BJJ & Defares PB (red. 1997) Handboek posttraumatische stoornissen bij kinderen met niet-angeboren hersenletsel. Utrecht: De Tijdstroom
- Vandermeulen JAM, Derix MMA & van Dijke A (2019) De rol van neuropsychologie bij psychotherapie. Praktische toepassingen voor de klinische praktijk. BSL, Houten
- Vander Lely HKJ, RosenS & McLelland A (1998) Evidence for a grammar–specific deficit in children. *Curr Biol* 8:1253–8
- Van der Meer A (1997) Keeping the arm in the limelight: Advanced visual control of arm movements in neonates. *Eur JPaediatr Neurol* 4:103–8
- Van der Meer J, Oerlemans A, van Steijn DJ *et al.* (2012) Are autism spectrum disorder and attention-deficit/hyperactivity disorder different manifestations of one overarching disorder? Cognitive and symptom evidence from a clinical and population-based sample. *JAACAP* 51:1160–72
- Vandermosten M, Boets B, Luts H *et al.* (2010) Adults with dyslexia are impaired in categorizing speech and nonspeech sounds on the basis of temporal cues. *PNAS* 107: 10389–94
- Vandermosten M, Poelmans H, Sunaert S *et al.* (2013) White matter lateralization and interhemispheric coherence to auditory modulations in normal reading and dyslexic adults. *Neuropsychol* 51:2087–99
- Van der Ploeg GJ & De Raeymaekers DMJ (1987) Tijdsin I: Bewschouwingen vanuit de ontwikkelingspsychologie. *T v Psychiat* 29:27–36 Tijdsin II: beschouwingen vanuit de psychopathologie. *T v Psychiatrie* 29:98–113
- Van der Poel JC, Haenggeli CA & Overweg–Plandsoen WCG (1995) Operculum syndrome: Unusual feature of herpes simplex encephalitis. *Pediatr Neurol* 12:246–9
- Van der Schoot M (2001) *Dyslexia and inhibition*. Thesis, VU, Amsterdam
- Van der Werf YD, Witter MP, Uylings HBM *et al.* (2000) Neuropsychology of infarctions in the thalamus: A review. *Neuropsychologia* 38:613–27
- Van Domburg P (2019) *The Origins of Musicality: Inspiratie voor de neuro-wetenschap*. *Neuropsychol* 23:90–5
- Van Dongen HR (1977) Factors related to prognosis of acquired aphasia in children. *Cortex* 13:131–36
- Van Dongen HR, Catsman–Berrevoets CE & Van Mourik M (1994) The syndrome of ‘cerebellar’ mutism and subsequent dysarthria. *Neurol* 44:2041–45
- Van Dongen HR, Loonen MCB, Van Dongen K.J (1985) Anatomical basis for acquired fluent aphasia in children. *Ann Neurol* 17:306–9
- Van Dongen HR & Loonen MC (1976) Neurological factors related to the prognosis of acquired aphasia in childhood. In: Y Lebrun and R Hoops (eds) *Recovery in aphasics*. Swets and Zeitlinger, Amsterdam, pp 210–16
- Van Dongen HR, Loonen MC & Janssen AM (1986) A form of acquired childhood aphasia: the Landau–Kleffner syndrome (Dutch) *T Kin-dergen* 54:139–43
- Van Dongen LCM, Wingbermühle E, van der Veld WM *et al.* (2019) Exploring the behavioral and cognitive phenotype of KBG syndrome. *Gen Brain Behav* 18:e12553
- Van Doorn EC Lechner-van de Noort, Verhey F (2014) Spraak- en taalstoornissen. In: Verhulst FC, Verheij F, Danckaerts M Kinder-en Jeugdpsychiatrie. Kon van Gorcum, Assen
- Vandormael C, Schoenhals L, Hüppi PS *et al.* (2019) Language in Preterm Born Children: Atypical Development and Effects of Early Interventions on Neuroplasticity. *Neur Plast*
- Van Duin EDA, Ceccarini J & Booi J (2019) Lower [18 F]fallypride binding to dopamine D

- 2/3 receptors in frontal brain areas in adults with 22q11.2 deletion syndrome: A positron emission tomography study. *Psychol Med* 2:1–9
- Van Duin EDA, Vaessen Th, Kasanova Z *et al.* (2019) Lower cortisol levels and attenuated cortisol reactivity to daily-life stressors in adults with 22q11.2 deletion syndrome. *Psychoneuroendocrin* 106:85–94
- Van Essen DC (2005) A population-average, landmark- and surface-based (PALS) atlas of human cerebral cortex. *Neuroimage* 28:635–62
- Van Ewijk H, Heslenfeld DJ, Luman M *et al.* (2014) Visuospatial Working Memory in ADHD Patients, Unaffected Siblings, and Healthy Controls. *J Att Dis* 18:369–78
- Van Ewijk H, Heslenfeld DJ, Zwiers MP *et al.* (2012) Diffusion tensor imaging in attention deficit/hyperactivity disorder: A systematic review and meta-analysis. *Neurosci Biobehav Rev* 36:1093–1106
- Van Ewijk H, Weeda WD, Heslenfeld DJ *et al.* (2015) Neural Correlates of Visuospatial Working Memory in Attention-Deficit/Hyperactivity Disorder and Healthy Controls. *Psychiat Res* 233:233–42
- Van Engeland H (1984) The electrodermal orienting response to auditory stimuli in autistic children, normal children, mentally retarded children and child psychiatric patients. *J Autism Dev Dis* 14:261–79
- Van Engeland H (1995) Autisme en aan autisme verwante contactstoornissen. In: Sanders-Woudstra JAR, Verhulst FC & de Witte HFJ (eds.) *Kinder- en jeugdpsychiatrie* I. Van Gorcum, Assen
- Van Engeland H (1980) *About child psychosis*. (Dutch) Thesis, Meppel
- Van Engeland H & Buitelaar JK (2008) Autism spectrum disorders. In: *Child and adolescent psychiatry*. Hoboken, Wiley-Blackwell
- Van Erllings-Deurse M, Freriks A, Goudt-Bakker K *et al.* (1993) *Dyspraxie Programma. Therapieprogramma voor kinderen met kenmerken van een verbale ontwikkelingsdyspraxie*. Lisse: Swets & Zeitlinger
- Van Esch A, Ramlal IR, van Steensel-Mol HA *et al.* (1996) Outcome after febrile status epilepticus. *DMCN* 38:19–24
- Van Fenema E (2019) Het ontstemde brein. Amsterdam:Water
- Van Galen K.A, Schrantee A, ter Horst KW *et al.* (2023) Brain responses to nutrients are severely impaired and not reversed by weight loss in humans with obesity: a randomized crossover study. *Nat Metab* 5: 1059–72
- Van Galen MS & Reitsma P (2008) Developing access to number magnitude: A study of the SNARC effect in 7- to 9-year-olds. *J Exper Child Psychol* 101: 99–113
- Van Grunsven W & Njokiktjen C (2017) *Het schrijven: didactiek en behandeling van stoornissen. Meskers ontwikkelings-neuropsychologische concepten*. Suyi Publ., Amsterdam
- Van Grunsven W, Njokiktjen C, Franken M *et al.* (2003) Ontogenetic trends in gnostic hand function in 3- to 12-year-old children. *Perc Mot Skills* 96:1043–61
- Van Grunsven W, Njokiktjen C, Vuylsteke-Wauters M *et al.* (2009) Onto-genesis of lateral-ity in 3- to 10-year-old children: increased unilateral independence grounded on improved bimanual motor function. *Percept Mot Skills*. 109:3–29
- Van Harskamp NJ & Cipolotti L (2001) Selective impairments for addition, subtraction and multiplication. Implications for the organisation of arithmetical facts. *Cortex* 37:363–88
- Vanhaudenhuyse A, Noirhomme Q, Tshibanda LJF *et al.* (2010) Default network connectivity reflects the level of consciousness in non-communicative brain-damaged patients. *Brain* 133:161–71
- Van Heerwaarde AA, van der Kamp LT, van der Aa NE *et al.* (2020) Non-right-handedness in children born extremely preterm: Relation to early neuroimaging and long-term neurodevelopment. *PLoS ONE* 15: e0235311
- Van Heugten CM, Hendriksen J, Rasquin S *et al.* (2006). Long-term neuropsychological performance in a cohort of children and adolescents after severe paediatric traumatic brain injury. *Brain Injury* 20:895–903
- Van Heugten C & Van de Sande P (1999) Apraxie: een stoornis in het geheugen voor handelingen? *Neuropsych* 6:196–200
- Van Heycop Ten Ham B, Hulsbergen M, Bohlmeier E (2015) *Transdiagnostische factoren. Theorie & praktijk*. Amsterdam: Boom
- Van Hoecke E, De Bruyne E, Laridaen J (2022) In Lindauer R & Staal W (red) *Handboek Kinder- en jeugdpsychiatrie*. Amsterdam: Boom uitg.
- Van Ijzendoorn MH, Palacios J, Sonuga-Barke EJS *et al.* (2011) Children in institutional care: Delayed development and resilience. In: McCall RB, van Ijzendoorn MH, Juffer F *et al.* (Eds) Children without permanent parents: Research, practice, and policy. *Monogr Soc Res Child Dev* 76:8–30
- Van Ijzendoorn MH & Bakermans-Kranenburg MJ (2003) Attachment disorders and disorganized attachment: Similar and different. *Attachm & Hum Dev* 5:313–20
- Van Ijzendoorn MH, Bakermans-Kranenburg MJ & Mesman J (2008) Dopamine system genes associated with parenting in the context of daily hassles. *Genes, Brain Behav* 7:403–10
- Van Ijzendoorn MH, Rutgers AH, Bakermans-Kranenburg MJ *et al.* (2007) Parental sensitivity and attachment in children with Autism Spectrum Disorder: comparison with mental retardation, with language delays, and with typical development. *Child Dev* 78:597–608
- Van Ijzendoorn MH, Vereijken CMJL, Bakermans-Kranenburg MJ *et al.* (2004) Assessing Attachment Security With the Attachment Q Sort: Meta-Analytic Evidence for the Validity of the Observer AQS. *Child Dev* 75:1188–213
- Van Ingelghem M, Wieringen A van, Wouters J *et al.* (2001) Psychophysical evidence for a general temporal processing deficit in children with dyslexia. *NeuroReport* 12:3603–7
- Van Karnebeek CDM (2002) Mental retardation. *Diagnostic studies on aetiology*. Thesis, UvA, Amsterdam
- Van Lancker D (1997) Rags to riches: Our increasing appreciation of cognitive and communicative abilities of the human right cerebral hemisphere. *Brain Lang* 57:1–11
- Van Leeuwen TM, Petersson KM & Hagoort P (2010) Synaesthetic colour in the brain: Beyond colour areas. A functional magnetic resonance imaging study of synaesthetes and matched controls. *PLoS One* 5:e 12074
- Van Lieshout M, Luman M, Rommelse NJN *et al.* (2018) Zijn cognitieve functies van waarde bij het voorspellen van ADHD- uitkomsten? *T Neuropsychol* 13:166–78
- Van Lieshout RJ, Ferro MA, Schmidt LA *et al.* (2018) Trajectories of psychopathology in extremely low birth weight survivors from early adolescence to adulthood: a 20-year longitudinal study. *JCPP* 59:1192–2000
- Van Maanen A (2017) *Melatonin Treatment and Light Therapy for Chronic Sleep Onset Insomnia in Children*. Thesis, UvA
- Van Marle H (2015) PTSD as a memory disorder. *Eur J Psychotraumat* 6: 27633 Suppl 1–3
- Van Mier H & Petersen SE (2003) Role of the Cerebellum in Motor Cognition. *Ann NY Ac Sci* 978:334–53
- Van Mourik M, Catsman-Berrevoots CE, Van Dongen HR *et al.* (1997) Complex orofacial movements and the disappearance of cerebellar mutism: report of five cases. *DMCN* 39:686–90
- Van Mourik M, Catsman-Berrevoots CE, Yousef-Bak E *et al.* (1998) Dysarthria in children with cerebellar or brainstem tumors. *Pediatr Neurol* 18:411–14
- Van Noort-van der Spek IL, Franken MCJP & Weisglas-Kuperus N (2012) Language Functions in Preterm-Born Children: A Systematic Review and Meta-analysis. *Pediatrics* 129:745–54
- Vannasing P, Florea O, González-Frankenberger B *et al.* (2016) Distinct hemispheric specializations for native and non-native languages in one-day-old newborns identified by fNIRS. *Neuropsychol* 84:63–9
- Vannest J, Karunanayaka PR, Schmit-horst VJ *et al.* (2009) Language networks in children: Evidence from functional MRI studies. *AJR*.192:1190–96
- Van Nieuwenhuizen O (1987) *Cerebral visual disturbance in infantile encephalopathy*. Thesis, Martinus Nijhoff, Dordrecht
- Van Nieuwenhuizen O & Willemse J (1984) CT-scanning in children with cerebral visual disturbance and its possible relation to hypoxia and ischaemia. *Behav Brain Res* 14:143–45
- Van Oers CAMM, Goldber N, Fiorin G *et al.* (2018) No evidence for cerebellar abnormality in adults with developmental dyslexia. *Exp Brain Res*. 236:2991–3001
- Van Polanen V & Davare M (2015) Interactions between dorsal and ventral streams for controlling skilled grasp. *Neuropsychol*, 79:186–91
- Van Rappard DF, Königs M, Steenweg ME *et al.* (2018) Diffusion tensor imaging in metachromatic leukodystrophy. *J Neurol*. 265:659–68
- Van Reekum AC & Schmeets MGJ (2008) De gen-omgevingsinteractie en de psychiatrie: nieuwe visie op de invloed van de vroege omgeving. *T v Psychiat* 50:771–80
- Van Rijn MA, de Vries BB, Tibben A *et al.* (1997) DNA testing for fragile x syndrome: implications for parents and family. *J Med Genet* 34:907–11

- Van Rijn S (2018) the underlying mechanisms of neurobehavioral risks in sexchromosome trisomies. *Dev Med & Child Neurol* 60:1071
- Van Rijn S , Aleman A & De Sonnevile (2009) Cognitive mechanisms underlying disorganization of thought in a genetic syndrome (47,XXY). *Schizophr Res* 112:91–8
- Van Rijn S , Aleman A & Swaab H (2008) Effects of an extra X chromosome on language lateralization: an fMRI study with Klinefelter men (47,XXY). *Schizophr Res* 101:17–25
- Van Rooij D, Hoekstra PJ, Mennes M, et al. (2014) Distinguishing Adolescents With ADHD From Their Unaffected Siblings and Healthy Comparison Subjects by Neural Activation Patterns During Response Inhibition.. *Am J Psychiat* 172:674–83
- Van Rooij D, Hartman C.A, Mennes M, et al. (2015) Altered neural connectivity during response inhibition in adolescents with attention-deficit/hyperactivity disorder and their unaffected siblings. *Neuroimage Clin*. 7:325–35
- Van Rooijen K & Rietveld L (2013) Wat werkt bij autisme. Uitgave Ned. Jeugdinstituut (pdf)
- Van Stegeren A & Everaerd W (2003) Amygdala in beeld – De emotionele kameleon. *Neuropraxis* 6:193-9
- Van Stegeren A & Everaerd W (2003) Amygdala in beeld – De emotionele kameleon. *Neuropraxis* 6:193–9
- Van Strien JW & Heijt R (1995) Altered visual field asymmetries for letter naming and letter matching as a result of concurrent presentation of threatening and non-threatening words. *Brain & Cogn* 29:187–203
- Van Turenhout M (1997) *The electrophysiology of speaking*. Thesis, Kath Un Nijmegen
- Vanvuchelen M, Roeyers H & De Weerd W (2007) Nature of motor imitation problems in school-aged boys with autism. A motor or a cognitive problem? *Autism* 11:225–40
- VanVuchelen M, Roeyers & de Weerd W (2011) Measuring procedural imitation aptitude in children: Further Validation of the preschool imitation and praxis scale (PIPS). *Percept Mot Skills* 113:773–92
- Van Vugt P, Franssen I, Creten W *et al.* (2000) Line bisection performances of 650 normal children. *Neuropsychol* 38:886–95
- Van Wezel–Meijler G (1999) *A study on brain maturation, neuro–imaging and neurodevelopment in preterm infants*. Thesis, Free University, Amsterdam
- Van Wijngaarden-Cremers P (2017) Autism in Girls and Women. In: Corrêa BB & van der Gaag R-J (eds) *Autism Spectrum Disorders in Adults*. pp 193–202
- Van Wijngaarden-Cremers PJ, Van Eeten E, Groen WB *et al.* (2014) Gender and age differences in the core triad op impairments in autism spectrum disorders: A systematic review and meta-analysis. *J of Autism and Dev Disord* 44:627-35
- Van Wulffen Palthe T (1986) *Neural maturation and early social behaviour. A longitudinal study of mother–infant interaction*. Thesis. van Denderen bv, Un Groningen
- Van Wulfften Palthe T & Hopkins B (1984) Development of the infant’s social competence during early face–to–face interaction: A longitudinal study. In: HFR Prechtl (ed) *Continuity of neural functions from prenatal to postnatal life*. Clin in Dev Med 94 SIMP, Blackwell Sci Publ, Oxford & Lippincott, Philadelphia, pp 198–219
- Van Zaalén Y & Winkelman C (2014) Broddelen, een (on)begrepen stoornis. Coutinho, Bussum
- Van Zaalén Y *et al.* (2012) Is broddelen een op taal gebaseerde vloeiendheidsstoornis ? *Logopedie* 25:132–37
- Van Zeijl J, Mesman J, Stolk MN *et al.* (2007) Differential Susceptibility to Discipline: The Moderating Effect of Child Temperament on the Association Between Maternal Discipline and Early Childhood Externalizing Problems. *J Fam Psychol* 21:626–36
- Van Zundert M, Hendriks M, Alpherts W (2010) Taalrepresentatie bij epilepsie: Een kritische beschouwing van de ‘crowding’-hypothese. *TvNeuropsychol* 5:23–32
- Varadkar S & Cross JH (2015) Rasmus-sen syndrome and other Inflammato-ry epilepsies. *Seminars Neurol* 35: 259–68
- Vargha–Khadem F (1985) *Neuropsychological effects of brain injury in children*, Paper presented at the International Academy for Research in Learning Disabilities, Sept, Oxford
- Vargha–Khadem F, Carr LJ, Isaacs E *et al.* (1997) Onset of speech after left hemispherectomy in a nine–year–old boy. *Brain* 120:159–82
- Vargha–Khadem F, Frith U, O’Gorman A *et al.* (1983) *Learning disabilities in children with unilateral brain damage*. Paper Sixth Ann Eur INS Meeting, Lisboa, Portugal
- Vargha–Khadem F, Isaacs E, Van der Werf S *et al.* (1992) Development of intelligence and memory in children with hemiplegic cerebral palsy. *Brain* 115:315–29
- Vargha–Khadem F, O’Gorman AM & Watters GV (1985) Aphasia and handedness in relation to hemispheric side, age at injury and severity of cerebral lesion during childhood. *Brain* 108:677–96
- Vargha–Khadem F, Watkins KE, Price CJ *et al.* (1998) Neural basis of an inherited speech and language disorder. *Proc Natl Acad Sci USA* 95:12695–700
- Vargha–Khadem F, Watters GV & O’Gorman A (1985) Development of speech and language following bilateral frontal lesions. *Brain Lang* 25:167–83
- Vargha Khadem F & Liegeois F (2007) From speech to gene. In: Bråten S (ed.) *On Being Moved: From mirrorneurons to empathy*. *Adv Consc Res* 68
- Varon S (ed 1985) *Factors promoting the growth of the nervous system. Discussions in neurosciences, vol ii, no 3*. Foundation FESN, Genève
- Vasiukova OR, Akhlebina MI, Man-zhurtsev AV (2020) The Diffusion-Tensor Imaging Reveals Alterations in Water Diffusion Parameters in Acute Pediatric Concussion. *Acta Neurol Belg* DOI: 10.1007/s13760-020-01347-w
- Vassal F, Schneider F, Boutet C *et al.* (2016) Combined DTI Tractography and Functional MRI Study of the Language Connectome in Healthy Volunteers: Extensive Mapping of White Matter Fascicles and Cortical Activations. *PlosOne* 11:e0152614
- Veale D, De Haro L, Lambrou C (2004) Cosmetic rhinoplasty in body dysmorphic disorder. *Brit J plast surg* 56:546–51
- Vedder R (1983) *Kinderen met leer- en gedragsmoeilijkheden*. 10e druk Wolters–Noordhoff, Groningen
- Veelken N, Dammann O & Drescher J (2001) *Neurological outcome of very low birthweight-children*. Poster at the ECFNS conference in Baden Baden
- Veelken N, Stollhoff K & Claussen M (1992) Developmental and perinatal risk factors of very low–birthweight infants. Small versus appropriate for gestational age. *Neuropediatr* 23:102–7
- Veggiotti P, Termine C, Granocchio E *et al.* (2002) Long–term neuropsychological follow–up and nosological considerations in five patients with continuous spikes and waves during slow sleep. *Epileptic disord* 4:243–9
- Vellutino FR (1983) Childhood dyslexia: A language disorder. In: HR Myklebust (ed) *Progress in learning disabilities*. vol v. Grune and Stratton, New York, pp 135–73
- Vellutino FR (1987) Dyslexia. *Sci American* 256:20–7
- Veltman D (2003) Functionele MRI en verwante technieken bij onderzoek in de psychiatrie. *Neuropraxis* 6:185–92
- Verbeek L (2018) Self-names as Emotionally Competent Stimuli. A linguistic perspective on the emotional perception of one’s own name. *LingUU* 2:22–33
- Vercher L, Magenes G, Prablanc C *et al.* (1994) Eye-head-hand coordination in pointing at visual targets: spatial and temporal analysis. *Exp Brain Res* 99:507–23
- Verdellen C, Wertenbroek A, Cath D (2019) *Handboek Gilles de la Tourette*. Amsterdam: Boom uitgevers
- Vereecken P (1961) *Spatial development. Constructive praxia from birth to the age of seven*. JB Wolters, Goningen. pp 152
- Verfaellie M, Bowers D & Heilman K.M (1988) Hemispheric asymmetries in mediating intention, but not selective attention. *Neuropsychol* 26:521–31
- Verger K, Junqué C, Levin HS *et al.* (2001) Correlation of atrophy measures on MRI with neuropsychological sequelae in children and adolescents with traumatic brain injury. *Brain Injury* 15:211–21
- Verhulst FC, Verheij F & Danckaerts M (2014) *Kinder- en jeugdpsychiatrie*. Van Gorcum, Assen
- Verheij F & van Doorn EC (2008) *Ontwikkeling en leren. Psychiatrie op school*. Van Gorcum, Assen
- Verheij F, van Doorn F & Wielemaker J (2015) *Hoe kinderen denken*. Van Gorcum, Assen
- Verhoef S (2001) *Clinical and Molecular Genetics of Tuberous Sclerosis Complex*. Rotterdam, Thesis
- Verhoeven JS, Rommel N, Prodi E *et al.* (2012) Is there a common neuroanatomical substrate of language deficit between autism spectrum

- disorder and specific language impairment? *Cereb Cortex* 22:2263–71
- Verhulst FC (1989) *De ontwikkeling van het kind*. Van Gorcum, Assen pp 176
- Verhulst FC (2015) *Leerboek kinder- en jeugdpsychiatrie*. Assen: Van Gorcum
- Verhulst FC, Koot JM & Van der Ende J (1996) Handleiding voor de CBCL (Child Behavior Checklist). Afd Kinder- en jeugdpsychiatrie, Sophia Kinderziekenhuis, Rotterdam
- Verhulst FC & Verheij F (2000) *Adolescentenpsychiatrie*. Van Gorcum, Assen
- Verhulst FC, Verheij F & Danckaerts M (2014) *Kinder- en jeugdpsychiatrie*. Assen: Van Gorcum
- Verity CM, Strauss EH, Moyes PD *et al.* (1982) Long term follow-up after cerebral hemispherectomy: Neuropsychological, radiological, and psychological findings. *Neurol* 32:629
- Verkerk AJ, Pieretti M, Sutcliffe JS *et al.* (1991) Identification of a gene (fmr-1) containing a cgg repeat coincident with a breakpoint cluster region exhibiting length variation in fragile x syndrome. *Cell* 65:905–14
- Verloove-Vanhorick SP, & Verwey RA (1987) *Project on preterm and small for gestational age infants in the Netherlands 1983*. Thesis, Leiden
- Verly M, Gerrits R, Sleurs Ch *et al.* (2018) The mis-wired language network in children with developmental language disorder: insights from DTI tractography. *Brain Imag & Beh* 13:973–84
- Verly M, Verhoeven J, Zink I *et al.* (2014) Altered functional connectivity of the language network in ASD: Role of classical language areas and cerebellum. *Neuroimage: Clin* 4:374–82
- Vermetten E & Kleber R, van der Hart O (2020) Handboek Posttraumatische stressstoornissen. Utrecht: de Tijdstroom
- Vermeulen K (2018) *Psychiatry and Neurocognition in Genetic Developmental Disorders: The Emblematic Case of Kleefstra Syndrome*. Thesis.
- Vermeulen K, de Boer A, Janzing JGE *et al.* (2017) Adaptive and maladaptive functioning in Kleefstra syndrome compared to other rare genetic disorders with intellectual disabilities. *Am J Med Gen Part A* 173:1821–30
- Vermeulen MCM, van der Heijden KB, Kocevská D *et al.* (2020) Associations of sleep with psychological problems and well-being in adolescence: causality or common genetic predispositions? *JCPP* doi:10.1111/jcpp.13238
- Vermeulen RJ, Sie LTL, Jonkman EJ *et al.* (2003) Predictive value of EEG in neonates with periventricular leukomalacia. *DMCN* 45:586–90
- Vernes SC, Newbury DF, Abrahams BS *et al.* (2008) A Functional Genetic Link between Distinct Developmental Language Disorders. *New Eng J Med* 359:2337–45
- Veroude K, Zhang-James Y, Fernán-dez-Castillo N *et al.* (2016) Genetics of Aggressive Behavior: An Overview. *Am J Med Genet B Neuropsychiatr Genet* 171B:3–43
- Verri A, Cremante A & Clerici F (2010) Klinefelter's syndrome and psychoneurologic function. *Mol Hum Repr* 16:425–33
- Verrotti A, Latini G, Trotta D *et al.* (2002) *Typical and atypical rolandic epilepsy in childhood: a follow-up study*
- Verschoor CA (1991) *Praxie en intelligentie*. Doctoraalscriptie ontwikkelingspsychologie, UvA
- Verschoor CA, Njikiktjen C, Hopkins B *et al.* (2004) *Neuropsychological profiles after a low risk preterm birth*. JINS, in press
- Vértes PE & Bullmore ET (2015) Annual Research Review: Growth connectomics – the organization and reorganization of brain networks during normal and abnormal development. *JCPP* 56:299–320
- Ververs IAP, de Vries JIP, Geijn HP *et al.* (1992) *Head position in the fetus from 16–38 weeks gestational age and postnatally*. Paper presented at the XIIIth European Congress on perinatal medicine, Amsterdam, May
- Verweij E, Butterworth GE & Hopkins B (1987) *The development of grasping in babies*. Manuscript in preparation in 1993
- Verwijk E & van der Werf YD (2019) Diagnostiek van Slaapstoornissen. *T Neuropsychol*. 14:153–161
- Vesco AT, Young AS, Arnold LE *et al.* (2017) Omega-3 supplementation associated with improved parent-rated executive function in youth with mood disorders: secondary analyses of the omega 3 and therapy (OATS) trials. *JCPP* 59:628–36
- Vexiau A-M (1999) *Je choisis ta main pour parler*. Laffont, Paris, pp 334
- Vicari S, Albertoni A, Chilosi AM *et al.* (2000) Plasticity and reorganization during language development in children with early brain injury. *Cortex* 36:31–46
- Vicari S, Bellucci S & Carlesimo GA (2000) Implicit and explicit memory: A functional dissociation in persons with Down syndrome. *Neuropsychologia* 38:240–51
- Vicari S, Brizzolara D, Carlesimo GA *et al.* (1996) Memory abilities in children with Williams syndrome. *Cortex* 32:503–14
- Vicari S, Caselli MC & Tonucci F (2000) Asynchrony of lexical and morphosyntactic development in children with Down Syndrome. *Neuropsychologia* 38:634–44
- Victor JB, Halverson ChF Jr & Montague RB (1985) Relations between reflection-impulsivity and behavioral impulsivity in preschool children. *Dev Psychol* 21:141–48
- Victor M & Ropper AH (2001) *Adams & Victor's Principles of neurology*. McGraw-Hill, New York
- Vidal F, Bonnet M & Macar F (1995) Programming the duration of a motor sequence: Role of the primary and supplementary motor areas in man. *Exp Brain Res* 106:339–50
- Viding E, Hanscombe KB, Curtis JJC *et al.* (2010) In search of genes associated with risk for psychopathic tendencies in children: a two-stage genome-wide association study of pooled DNA. *JCPP* 51:780–8
- Viding E, Spinath FM, Price TS *et al.* (2004) Genetic and environmental influence on language impairment in 4-year-old same-sex and opposite-sex twins. *JCPP* 45:315–25.
- Vig S & Jedrysek E (1999) Autistic features in young children with significant cognitive impairment: Autism or mental retardation? *J Autism & Dev Dis* 29:235–48
- Vigliocco G, Vinson DP, Druks J *et al.* (2010) Nouns and verbs in the brain: A review of behavioural, electrophysiological, neuropsychological and imaging studies. *Neurosci Biobehav Rev*. 35:407–26
- Vignolo LA (1969) Auditory agnosia: a review and report of recent evidence. In: AL Benton (ed) *Contributions to clinical neuropsychology*. Aldine, Chicago, pp 172–208
- Viktorin A, Rydén E, Thase ME *et al.* (2017) The Risk of Treatment-Emergent Mania With Methylphenidate in Bipolar Disorder. *Am J Psychiat* 174:341–48
- Viktorsson C, Portugal AM, Li D *et al.* (2023) Preferential looking to eyes versus mouth in early infancy: heritability and link to concurrent and later development. *JCPP* 64:311–19
- Vildavsky V (2000) *Rhythm integrated A computer-controlled tapping test* by Metrika, Moscow. Information by Vladvil@stanford.edu
- Villa P, Roebroeks W (2014) Neandertal Demise: An Archaeological Analysis of the Modern Human Superiority Complex. *PLoS ONE* 9:e96424
- Villablanca JR, Burgess JW & Sonnier BJ (1984) Neonatal cerebral hemispherectomy: a model for postlesion reorganization of the brain. In: S Finger and CR Almli (eds) *Early Brain Damage, vol 2 Neurobiology and behavior*. Acad Press Inc, New York, pp 179–206
- Vingerhoets G, Acke F, Alderweireldt AS *et al.* (2012) Cerebral lateralization of praxis in right- and left-handedness: same pattern, different strength. *Hum Brain Map* 33:763–77
- Vingerhoets G, Alderweireldt AS, Vandemaele P *et al.* (2013) Praxis and language are linked: Evidence from co-lateralization in individuals with atypical language dominance. *Cortex* 49:172–83
- Vingerhoets G, Gerrits R & Bogaert S (2018a) Atypical brain functional segregation is more frequent in situs inversus totalis. *Cortex* 106:12–25
- Vingerhoets G & Harrington D (2017) Introduction to the JINS special issue: motor cognition. *J Int Neuropsychol Soc* 23:103–7
- Vingerhoets G & Lannoo E (1998) *Handboek neuropsychologie*. Acco, Leuven, pp 380
- Vingerhoets G, Li X & Hou L (2018b) Brain structural and functional asymmetry in human situs inversus totalis. *Brain Struc & Func* 223:1937–52
- Vinod P, Thatikonda NS, Malo PK *et al.* (2024) Comparative efficacy of repetitive transcranial magnetic stimulation protocols for obsessive-compulsive disorder: A network meta-analysis. *Asian J Psychiatr*. Apr;94:103962
- Virtanen R, Korhonen T, Fagerholm J *et al.* (1999) Neurocognitive sequelae of scaphocephaly. *Pediatr* 103:791–5
- Visani E, Garofalo G, Rossi Sebastiano D *et al.* (2022) Grasping the semantic of actions: a combined behavioral and MEG study. *Brain Sci*. 12:97
- Visscher F (2005) Non-verbale leerstoornis: een overzicht. *T Neurol Neurochir* 106:201–6

- Visscher F, van der Horst AR & Smit LME (1990) HLA-DR antigens in Kleine-Levin syndrome. *Letter in Ann Neurol* 28:195
- Visscher F, Smit LME, Smith F *et al.* (1989) The Kleine Levin Syndrome *T Kindergeren* 57:218–21
- Visscher F, Njokiktjien C & Prazsky D (1988) Zomaar in slaap vallen. *T Jeugdgezondheid-szorg* 20:88–90
- Visser SL, Njokiktjien Ch & de Rijke W (1982) Neurological conditions at birth in relation to the electroencephalogram (EEG) and visual evoked potential (Vep) at the age of 5. *Electroencephal Clin Neurophysiol* 54:458–64
- Vissia E (2016) *Pieces of the Puzzle – Empirical studies on the diagnosis Dissociative Identity Disorder*. Thesis, Un. Groningen
- Vles JSH (1988) *Spontaneous behaviour in pre-term infants*. Proefschrift, pp 125
- Vles, JSH (2000) Growing into deficit. Inaugural lecture, Maastricht University
<https://doi.org/10.26481/spe.20001208jv>
- Vles JSH, Casaer P, Kingma H *et al.* (1987) A longitudinal study of brainstem auditory evoked potentials of preterm infants. *DMCN* 29:577–85
- Vles JSH, Feron FJM, Hendriksen JGM *et al.* (2003) Methylphenidate down-regulates the dopamine receptor and transporter system in children with ADHD. *Neuroped* 34:77–80
- Vlugt Van der H (1979) *Lateralisatie van hersenfuncties*. Swets en Zeitlinger, Lisse (Dutch)
- Voeller KKS (1986) The significance of incongruent hand skill and hand preference in children. *Ann Neurol* 20:414
- Voeller KKS (1986) Right-hemisphere deficit syndrome in children. *Am J Psychiatr* 143:1004–9
- Voeller KKS (1991) Attention deficit hyperactivity disorder (ADHD). *J Child Neurol* 6:2-131
- Voeller KKS & Heilman KM (1988) Attention deficit disorder in children. *Am J Psychiatr* 143:1004-9
- Volkman J, Schnitzler A & Witte OW (1998) Handedness and asymmetry of hand representation in human motor cortex. *J Neurophysiol* 79:2149-54
- Volkmar FR, Sparrow SS, Rende RD *et al.* (1989) Facial perception in autism. *JCPP* 30:591-8
- Volman MJM & Geuze RH (2000) Temporal stability of rhythmic tapping "on" and "off the beat": A developmental study. *Psychol Res* 63:62–9
- Volpe BT, Sidtis JJ & Gazzaniga MS (1981) Can left-handed writing posture predict cerebral language laterality? *Arch Neurol* 38:637-8
- Volpe JJ (1995) *Neurology of the newborn*. Saunders Publ Cy, Philadelphia
- Volpe JJ & Adams RD (1972) Cerebro-hepato-renal syndrome of Zellweger: an inherited disorder of neuronal migration. *Acta Neuropathol* 20:175–98
- Volpe JJ, Ernest A & Stein JG (1986) *Brain damage in newborns*. Abstracts espr Conference, Groningen
- Volpe JJ, Herscovitch P, Perlman JM *et al.* (1985) Positron emission tomography in the asphyxiated term newborn: parasagittal impairment of cerebral flow. *Ann Neurol* 17:287–95
- Volterra V, Capirci O, Pezzini G *et al.* (1996) Linguistic abilities in Italian children with Williams syndrome. *Cortex* 32:663–77
- Von Aster M (2000) Developmental cognitive neuropsychology of number processing and calculation: varieties of developmental dyscalculia. *Eur Child & Adolesc Psychiatr* 9:41–57
- Von Aster M, Zachmann M, Brandeis D *et al.* (1997) Psychiatric, neuropediatric, and neuropsychological symptoms in a case of hypomelanosis if Ito. *Eur Child Adolesc Psychiatr* 6:227–33
- Von Baer KE (1828) *Über Entwicklungsgeschichte der Thiere*. Königsberg, Deutschland: Gebrüder Bornträger
- Von der Heide RJ, Skipper LM, Klobusicky E *et al.* (2013) Dissecting the uncinate fasciculus: disorders, controversies and a hypothesis. *Brain* 136:1692–1707
- Von Hofsten C & Rösblad B (1988) The integration of sensory information in the development of precise manual pointing. *Neuropsychol* 26:805–21
- Von Hofsten C, Feng Q & Spelke ES (2000) Object representation and predictive action in infancy. *Dev Sci* 3:193–205
- Von Monakov C (1914) *Die Lokalisation im Grosshirn und der Abbau der Funktion durch Kortikale Herde*. Verlag Bergmann, Wiesbaden
- Von Plessen K, Lundervold A, Duta N *et al.* (2002) Less developed corpus callosum in dyslexic subjects — a structural MRI study. *Neuropsychol* 40:1035–44
- Von Rhein D, Oldehinkel M, Beckmann CF (2016), Aberrant local striatal functional connectivity in attention-deficit/hyperactivity disorder. *JCPP* 57:697–705
- Vorhees ChV (1986) Fetal anticonvulsant exposure: Effects on behavioral and physical development. In: Wisniewski HM & Snider DA (eds) *Mental retardation: Research, education, and technology transfer*. *Ann NY Ac Sci* 477:49–62
- Vouloumanos A & Werker JF (2007) Listening to language at birth: evidence for a bias for speech in neonates. *Dev Sci* 10:159-71
- Vreeland A, Calaprice D, Or-Geva N, *et al.* (2023) Postinfectious Inflammation, Autoimmunity, and Obsessive-Compulsive Disorder: Sydenham Chorea, Pediatric Autoimmune Neuropsychiatric Disorder Associated with Streptococcal Infection, and Pediatric Acute-Onset Neuropsychiatric Disorder. *Dev Neurosci* 45:361–74
- Vulink NCC & Denys D (2005) Body dysmorphic disorder (stoonis in de lichaamsbeleving). *T psychiatr* 47: 21–27
- Vurpillot E (1972) *Quelques données sur les structures visuelles du nourisson*. In: H Hécaen (ed) *Neuropsychologie de la perception visuelle*. Masson, Paris, pp 139–49
- Vydrova R, Komarek V, Sanda J *et al.* (2015) Structural alterations of the language connectome in children with specific language impairment. *Brain & Lang* 151:35–41
- Vygotsky LS (1934/1962) *Thought and language*. MIT Press, Cambridge MA / Original work from 1934
- Vygotsky LS (1977) *Denken und Sprechen*. Fischer Taschenbuch Verlag
- Vygotsky LS (1978) Mind in society. The development of higher psychological processes. In: Cole M, John-Steiner V, Scribner S *et al.* Harvard University Press, Cambridge, Massachusetts
- Vygotsky LS (1979) The development of higher forms of attention in childhood. *Soviet Psychol* 18:67-115
- Vygotsky LS (1925, Eng Transl. 1997) Consciousness as a Problem of the Psychology of Behavior. Collected Works, vol. 1. Problems of general psychology of behaviour. RW Reiber & AS Carton (Eds), New York: Plenum
- Vygotsky LS (1978) Tool and symbol in child development. In: *Mind in society*, ed. Cole M John-Steiner, V Scribner S & Souberman E Cambridge, MA : Harvard University Press.
- Von Rhein D, Oldehinkel M & Beckmann CF (2016), Aberrant local striatal functional connectivity in attention-deficit/hyperactivity disorder. *JCPP* 57:697–705

W

- Waber DP (1976) Sex Differences in Cognition: A Function of Maturation Rate? *Sci* 192:572–73
- Waber DP (1979) Neuropsychological aspects of Turner's syndrome. *DMCN* 21:58–70
- Waber DP, Mann MB & Merola J (1985) Motor overflow and attentional processes in normal school-age children. *DMCN* 27:491–97
- Wada JA, Clarke R & Hamm A (1975) Cerebral hemispheric asymmetry in humans. Cortical speech zones in 100 adult and 100 infant brains. *Arch Neurol* 32:239–46
- Waisbren SE, Hanley W, Levy HL *et al.* (2000) Outcome at age 4 years in offspring of women with maternal phenylketonuria – The maternal PKU collaborative study. *JAMA* 283:756–62
- Wagner L, Cakar ME, Banchik M *et al.* (2025) Beyond motor learning: Insights from infant magnetic resonance imaging on the critical role of the cerebellum in behavioral development. *Dev Cogn Neurosci* 72:101514
- Wagner L & Carey S (2005) 12-month-old infants represent probable ending of motion events. *Infancy* 7:73–83
- Walch J-P & Blanc-Garin J (1987) Tactual laterality effects and the processing of spatial characteristics: Dichaptic exploration of forms by first and second grade children. *Cortex* 23:189–205
- Waldo MC, Cohen DJ, Caparulo BK *et al.* (1978) EEG profiles of neuropsychiatrically disturbed children. *JAACAP* 17:656–70
- Walfisch R, Danieli PP, Mosheva M *et al.* (2024) Capgras syndrome in children and adolescents: A systematic review. *Gen Hosp Psychiatr* 89:32–40
- Waller R, Hyde LW, Grabell AS *et al.* (2014) Differential associations of early callous-unemotional, oppositional, and ADHD behaviors: multiple domains within early-starting conduct problems? *JCPP* 56:657–66
- Wallon H (1942) *L'évolution psychologique de l'enfant*. Paris: Armand Colin

- Wallon H (1963) L'habileté manuelle. *Enfance* 16:111–20
- Wallon H, Evtart–Cchmielniski E & Sauterey R (1964) Equilibre statique, équilibre en mouvement: double latéralisation. *Enfance* 1:1–29
- Wallon H & Lurçat L (1987) *Dessin, espace et schéma corporel chez l'enfant*. Les Editions ESF, Paris
- Wallon (1942) *De l'acte à la pensée, essai de psychologie comparée*, Paris: Flammarion
- Walsh JW (1986) Agenesis of the corpus callosum. In: HJ Hoffman and F Epstein (eds) *Disorders of the developing nervous system: diagnosis and treatment*. Blackwell Sci Publ, Oxford, pp 225–33
- Walsh R (1981) *Towards an ecology of the brain*. MTP Press, Lancaster
- Walsh RR, Small SL, Chen EE *et al.* (2008) Network activation during bimanual movements in humans. *Neuroim* 43:540–53
- Walther FJ & Ramaekers LHJ (1982) The ponderal index as a measure of the nutritional status at birth and its relation to some aspects of neonatal morbidity. *J Perinatal Med* 10:42–7
- Walther FJ & Ramaekers LHJ (1982) Neonatal morbidity of sga infants in relation to their nutritional status at birth. *Acta Paediat Scand* 71:437–40
- Walther FJ & Ramaekers LHJ (1982) Developmental aspects of subacute fetal distress: Behaviour problems and neurological dysfunction. *Early Human Dev* 6:1–10
- Walther FJ & Ramaekers LHJ (1982) Language development at the age of 3 years of infants malnourished in utero. *Neuropaediat* 13:77–81
- Wan MW, Green J, Elsabbagh M *et al.* (2012) Parent-infant interaction in infant siblings at risk of autism: A controlled observational study. *Res Dev Disab* 33:924–32
- Wang Ch–L, Chuang H–Y, Ho Ch–K *et al.* (2002) Relationship between blood lead concentrations and learning achievement among primary school children in Taiwan. *Environm Res Section* 89:12–18
- Wang J, Gong J & Li L (2018) Neurexin gene family variants as risk factors for autism spectrum disorder. *Autism Res* 11:37–43
- Wang L–J, LiS–C, Yeh Y–M *et al.* (2023) Gut microbiome dysbiosis and its impact on intestinal permeability in attention-deficit/hyperactivity disorder. *JCPP* 64: 1280–91
- Wang MC, Winston KR & Breeze RE (2002) Cerebellar mutism associated with a midbrain cavernous malformation. *J Neurosurg* 96:607–10
- Wang MV, Lekhal R, Aaro LE *et al.* (2014) The developmental relationship between language and motor performance from 3 to 5 years of age: a prospective longitudinal population study. *BMC Psychol* 2:34
- Wang PP, Woodin MF, Kreps–Falk R *et al.* (2000) Research on behavioral phenotypes: velocardiofacial syndrome (deletion 22q11.2). *DMCN* 42:422–27
- Wang S, Weil AG, Ibrahim GM *et al.* (2020) Surgical management of pediatric patients with encephalopathy due to electrical status epilepticus during sleep (ESES). *Epileptic Disord* 22:39–54
- Wang Y, Metoki A, Alm KH *et al.* (2018). White matter pathways and social cognition. *Neuroscience & Biobehavior Rev*, 90:350–70
- Warburton E, Wise RJS, Price CJ *et al.* (1996) Noun and verb retrieval by normal subjects. *Brain* 119:159–79
- Warkany J, Lemire RJ & Cohen MM (1981) *Mental retardation and congenital malformations of the central nervous system*. Year Book Med Publ Inc, Chicago
- Warkany J, Lemire RJ & Cohen MM (1981) *Agenesis of the corpus callosum*. In: : Magis-tretti PJ (series ed) *Cerebral Dominance: Biological Associations and Pathology*. Discussions in Neurosciences vol IV FESN, Geneva
- Warne N, Heron J, Mars B *et al.* (2023) Emotional dysregulation in childhood and disordered eating and self-harm in adolescence: prospective associations and mediating pathways. *JCPP* 64:797–806
- Warnell KR, Pecukonis M & Redcay E (2017) Developmental relations between amygdala volume and anxiety traits: Effects of informant, sex, and age. *Devel & Psychopathol* 30: 1503–15
- Warreyn P & Roeyers H (2006) Vroege sociaal-communicatieve vaardigheden bij peuters en kleuters met een autismespectrumstoornis. Een stand van zaken. *SiG, Antwerpen* 54:4–20
- Warreyn P, Roeyers H & De Groote I (2005) Early social communicative behaviors of preschoolers with autism spectrum disorder during interaction with their mothers. *Autism* 9:342–61
- Warreyn P, Roeyers H & Van Wetswinkel U (2007) Temporal coordination of joint attention behavior in preschoolers with autism spectrum disorder. *J Autism Dev Disord* 37:501–12
- Warrington EK (1975) The selective impairment of semantic memory. *Quart J Exp Psychol* 27:635–57
- Warrington EK, James M & Maciejewski C (1986) The WAIS as a lateralizing and localizing diagnostics instrument: A study of 656 patients with unilateral cerebral lesions. *Neuropsychol* 24:223–29
- Warrington EK, Logue V & Pratt RTC (1971) The anatomical localization of selective impairment of auditory verbal short-term memory. *Neuropsychol* 9:377–87
- Warrington EK & Shallice T (1969) The selective impairment of auditory verbal short-term memory. *Brain* 92:885–96
- Wartenburger I, Steinbrink J, Telkemeyer S *et al.* (2007) The processing of prosody: Evidence of interhemispheric specialization at the age of four. *NeuroImage* 34:416–25
- Washington DM, McBurney AK & Grunan RVE (1986) Communication skills. In: Dunn HG (ed) *Sequelae of low birthweight: The Vancouver Study*. Clin Dev Med No 95,96, Blackwell Scient Publ Ltd, Oxford and JB Lippincott Co, Philadelphia, pp 168–79
- Wassink TH, Piven J, Vieland V *et al.* (2001) Evidence supporting WNT2 as an autism susceptibility gene. *Am.J Hum Gen* 105:406–13
- Wassmer E, Davies P, Whitehouse WP *et al.* (2003) Clinical spectrum associated with cerebellar hypoplasia. *Pediatr Neurol* 28:347–51
- Waternberg N, Silver S, Harel S *et al.* (2002) Significance of microcephaly among children with developmental disabilities. *J Child Neurol* 17:117–22
- Waters E & Deane K (1985) Defining and assessing individual differences in attachment relationships: Q-methodology and the organization of behavior in infancy and early childhood. In I Bretherton & E Waters (Eds) *Growing points of attachment theory and research*. *Monogr Soc Res Child Dev* 50 (Serial No. 209), 41–65
- Watkins KE, Dronkers NF & Vargha-Khadem F (2002) Behavioural analysis of an inherited speech and language disorder: Comparison with acquired aphasia. *Brain* 125:452–64
- Watkins KE, Gadian DG & Vargha-Khadem F (1999) Functional and structural brain abnormalities associated with a genetic disorder of speech and language. *Am J Med Genet* 65:1215–21
- Watkins KE, Hewes DKM, Connelly A *et al.* (1998) Cognitive deficits associated with frontal-lobe infarction in children with sickle cell disease. *DMCN* 40:536–43
- Watling D, Workman L & Bourne VJ *et al.* (2012) Emotion lateralisation: Developments throughout the lifespan. *Laterality* 17: 389–411
- Watson RT, Miller BD & Heilman KM (1978) Nonsensory neglect. *Ann Neurol* 3:505–8
- Watt DF (2023) The separation distress hypothesis of depression – an update and systematic review. *Neuropsychoaanal*. 25:103–59
- Watt DF & Panksepp J (2009) Depression: An Evolutionarily Conserved Mechanism to Terminate Separation Distress? A Review of Aminergic, Peptidergic, and Neural Network Perspectives. *Neuropsychoaanal* 11:7–51
- Webber TA, Johnson PL, Storch EA (2014) Pediatric misophonia with comorbid obsessive-compulsive spectrum disorders. *Gen Hosp Psychiat*. 36:231.e1–2
- Weber D (1978) 'Toe-walking' children with early childhood autism. *Acta Paedopsychiat* 43:73–83
- Weber P, Pache M, Kaiser HJ *et al.* (2002) Development and developmental disorders in central-visually perception. *Monatsschr Kinderheilkd* 150:62–9
- Weber S, Bühler J, Vanini G *et al.* (2023) Identification of biopsychological trait markers in functional neurological disorders. *Brain* 146:2627–41
- Webster RI, Erdos C, Evans K *et al.* (2008). Neurological and Magnetic Resonance Imaging Findings in Children With Developmental Language Impairment. *J of Child Neurology* 23:870–77
- Wechsler D (1974) *Wechsler Intelligence Scale for Children–Revised*. Psychological Corporation, New York
- Wedell K (1973) *Learning and perceptuo-motor disabilities in children*. Wiley and Sons, London
- Weeks SJ & Hobson P (1987) The salience of facial expression for autistic children. *JCPP* 28:137–52
- Weggelaar C (1988) Samenvatting over dyslexie. *Van horen zeggen* 29:50–53
- Weichselgartner E & Sperling G (1987) Dynamics of automatic and controlled visual attention. *Sci* 238:778–780

- Weinberg MK & Tronick EZ (1998) Emotional care of the at-risk infant: Emotional characteristics of infants associated with maternal depression and anxiety. *Pediatr* 102:1298–304
- Weinberg WA & Brumback RA (1990) Primary disorder of vigilance: A novel explanation of inattentiveness, daydreaming, boredom, restlessness, and sleepiness. *J Pediatr* 116:720–5
- Weiner W, Nausieda PA & Klawans HL (1978) Methylphenidate-induced chorea: Case report and pharmacological implications. *Neurol* 28:1041–4
- Weintraub S & Mesulam M–M (1983) Developmental learning disabilities of the right hemisphere. Emotional, interpersonal, and cognitive components. *Arch Neurol* 40:463–8
- Weintraub S, Mesulam M–M & Kramer L (1981) Disturbances in prosody. A right-hemisphere contribution to language. *Arch Neurol* 38:742–44
- Weinstock M (1997) Does prenatal stress impair coping and regulation of hypothalamic, pituitary-adrenal axis? *Neurosci Biobehav Rev* 21:1–10
- Weisglas-Kuperus N, Baerts W, Fetter WPF *et al.* (1994) Minor neurological dysfunction and quality of movement in relation to neonatal cerebral damage and subsequent development. *DMCN* 36:727–35
- Weisglas-Kuperus N, Heersema DJ, Baerts W *et al.* (1993) Visual functions in relation with neonatal cerebral ultrasound, neurology and cognitive development in very-low-birthweight children. *Neuropediatr* 24:149–54
- Weisglas-Kuperus N, Koot HM, Baerts W *et al.* (1993) Behaviour problems of very low-birthweight children *DMCN* 35:406–16
- Weisglas-Kuperus N, Uleman-Vleeschdrager M & Baerts W (1987) Preterm infants: Neurodevelopmental outcome at 3 and 1/2 years. *DMCN* 29:623–9
- Weismer SE, Evans J & Hesketh LJ (1999) An examination of verbal working memory capacity in children with Specific Language Impairment. *J Speech, Lang Hear Res* 42:1249–60
- Weiss G (1984) Long-term outcome: findings, concepts, and practical implications. In: M Rutter (ed) *Developmental neuropsychiatry*. Churchill Livingstone, Edinburgh, pp 422–36
- Weiss PH, Marshall JC, Wunderlich G *et al.* (2000) Neural consequences of acting in near versus far space: A physiological basis for clinical dissociations. *Brain* 123:2531–41
- Weissman DH & Banich MT (2000) The cerebral hemispheres cooperate to perform complex but not simple tasks. *Neuropsychology* 14:41–59
- Weiss-Salinas D & Williams N (2001) Sensory defensiveness: a theory of its effect on breastfeeding. *J Hum Lact* 17:145–51
- Wellington TM, Semrud-Clikeman M, Gregory A *et al.* (2006) Magnetic resonance imaging volumetric analysis of the putamen in children with ADHD: combined type versus control. *J Attent Disord* 10:171–80.
- Wellman HM (1991, 2nd print) *The child's theory of mind. A Bradford book*. The MIT Press, Cambridge, Massachusetts, pp 358
- Wellman HM (1992) Why the child's theory of mind really is a theory. *Mind Lang* 7:145–71
- Welsh MC, Pennington BF & Groisser DB (1991) A normative-developmental study of executive function: A window on the prefrontal function in children. *D Wellman HM* (1992) Why the child's theory of mind really is a theory. *Mind Lang* 7:145–71 *ev Neuropsychol* 7:131–1493389.
- Wender P (1971) *Minimal Brain Dysfunction in children*. Wiley, New York (1982)
- Wenderoth N, Debaere F, Sunaert S *et al.* (2005) The role of anterior cingulate cortex and precuneus in the coordination of motor behaviour. *Eur J Neurosci* 22:235–46
- Wennberg R, Hiploylee C, Tai P *et al.* (2018) Is concussion a risk factor for epilepsy? *Can J Neurol Sci* 45:275–82
- Werker JF & Polka L (1993) The ontogeny and developmental significance of language-specific phonetic perception. In: de Boysson-Bardies B, de Schonen S, Jusczyk P *et al.* (eds) *Developmental neurocognition: speech and face processing in the first year of life*. Kluwer, Dordrecht, NL, pp 275–88
- Werker JF & Tees RC (1984) Cross-language speech perception: Evidence for perceptual reorganization during the first year of life. *Infant Behav Dev* 7:49–63
- Werker JF & Tees RC (1992) The organization and reorganization of human speech perception. *Annu Rev Neurosci* 15:377–402
- Werner H & Strauss A (1966) Pathology of figure background relation in the child. *Perc Mot Skills* 22:236–8
- Werry JS (1968) Studies on the hyperactive child. *Arch Gen Psychiat* 19:9–16
- Wernicke C (1874) *Der aphasische Symptomencomplex. Eine psychologische Studie auf anatomischer Basis*. Springer-Verlag, Berlin Heidelberg
- Werry JS, Aman MG & Diamond E (1980) Imipramine and methylphenidate in hyperactive children. *JCPP* 21:27–35
- Wessel K, Zeffiro T, Toro C *et al.* (1997) Self-paced versus metronome-paced finger movements – a positron emission tomography study. *J Neuroimaging* 7:145–51
- Westermann G, Mareschal D, Johnson MH *et al.* (2007) Neuroconstructivism. *Dev Sci* 10:75–83
- Westerman G & Miranda ER (2004) A new model of sensorimotor coupling in the development of speech. *Brain Lang* 89:393–400
- Weston PF & Manson JI (1985) Auditory brainstem evoked response as a hearing test in infants and children: A follow-up study. *Aust Paediatr J* 21:85–9
- Wheeler R & Dusek J (1973) The effects of attentional and cognitive factors on children's incidental learning. *Child Dev* 44:252–258
- Whelan YM, Leibenluft E, Stringaris A *et al.* (2015) Pathways from maternal depressive symptoms to adolescent depressive symptoms: the unique contribution of irritability symptoms. *JCPP* 56:1092–100
- Whishaw IQ & Kolb B (1984) Behavioral and anatomical studies of rats with complete or partial decortication in infancy. In: Finger S & Almlı CR (eds) *Early Brain Damage, vol 2 Neurobiology and Behavior*. Academic Press Inc, New York, pp 117–34
- White BL, Castle P & Held R (1964) Observations on the development of visually directed reaching. *Child Dev* 35:349–64
- White CP & Rosenbloom L (1992) Temporal-lobe structures and autism. *DMCN* 34:556–9
- White K (2014) *Talking Bodies: How do we Integrate Working with the Body in Psychotherapy from an Attachment and Relational Perspective?* London: Karnac Books
- Whitman S, Hermann BP, Black RB *et al.* (1982) Psychopathology and seizure type in children with epilepsy. *Psychol Med* 12:843–53
- Whitmont S & Clark C (1996) Kinaesthetic acuity and fine motor skills in children with attention deficit hyperactivity disorder: A preliminary report. *DMCN* 38:1091–8
- Whittington C, Pennant M, Kendall T *et al.* (2016), Practitioner Review: Treatments for Tourette syndrome in children and young people – a systematic review. *JCPP* 57: 988–1004
- Whelan TB (1987) Neuropsychological performance of children with Duchenne muscular dystrophy and spinal muscular atrophy. *DMCN* 29:212–20
- White CP & Rosenbloom L (1992) Temporal-lobe structures and autism. *DMCN* 34:556–9
- Whitford W, Taylor J, Hayes I *et al.* (2023) A novel 11 base pair deletion in KMT2C resulting in Kleefstra syndrome 2. *Mol Genet Genomic Med*. 2023 Dec 26:e2350
- WHO. The ICD–10 classification on mental and behavioural disorders: clinical descriptions and diagnostic guidelines 1992; diagnostic criteria for research 1993. Geneva: WHO, 1993
- Wiat L & Darrah J (2001) Review of four tests of gross motor development. *DMCN* 43:279–85
- Wibowo E, Wong STS, Wassersug RJ *et al.* (2023) Choosing Castration: A Thematic Analysis of the Perceived Pros and Cons of Genital Injuries and Ablation by Men Who Voluntarily Sought Castration. *Arch Sex Behav*. 52:1183–94
- Widlöcher D (2002) Primary love and infantile sexuality: an eternal debate. In: *Infantile sexuality and attachment*, ed. Widlöcher D London: Karnac, pp. 1–36
- Wierenga LM, van den Heuvel MP, Oranje B *et al.* (2018) A multisample study of longitudinal changes in brain network architecture in 4–13-year-old children. *Hum Brain Mapp* 39:157–70
- Wiesel TN & Hubel DH (1963) Single-cell responses in striate cortex of kittens derived of vision in one eye. *J Neurophysiol* 24:1003–17
- Wilkins AJ, Shallice T & McCarthy R (1987) Frontal lesions and sustained attention. *Neuropsychol* 25:359–65
- Willcutt EG, McGrath LM, Pennington BF *et al.* (2019) Understanding Comorbidity Between Specific Learning Disabilities. *New Dir Child Adolesc Dev* 165:91–109
- Willcutt EG, Pennington BF & DeFries JC (2000) Twin study of the etiology of comorbidity between reading disability and attention-deficit/hyperactivity disorder. *Am J Med Genet* 96:293–301
- Willcutt EG, Pennington BF, Smith SD *et al.* (2002) Quantitative trait locus for reading dis-

- ability on chromosome 6p is pleiotropic for attention-deficit hyperactivity disorder. *Am J Med Genet* 114:260–8
- Willems RM & Hagoort P (2007) Neural evidence for the interplay between language, gesture and action: A review. *Brain Lang* 101:278–89
- Willems RM, Van der Haegen L, Fisher SE *et al.* (2014) On the other hand: including left-handers in cognitive neuroscience and neuro-genetics. *Nat Rev Neurosci* 15:193–201
- Willems Y E (2020) Out of Control: *Causes of Individual Differences in Self-Control*. Ac. Proefschrift, VU Amsterdam
- Willemsen MH & Kleefstra T (2014) Making headway with genetic diagnostics of intellectual disabilities. *Clin Gen* 85:101–10
- Willemsen-Swinkels SHN, Bakermans-Kranenburg MJ, Buitelaar JK *et al.* (2000) Insecure and Disorganised Attachment in Children with a Pervasive Developmental Disorder: Relationship with Social Interaction and Heart Rate. *J Child Psychol Psychiatr* 41:759–67
- Williams BA, Abbott KJ & Manson JI (1992) Cerebral tumors in children presenting with epilepsy. *J Child Neurol* 7:291–4
- Williams CA, Zori RT, Hendrickson J *et al.* (1995) Angelman syndrome. *Current Problems in Pediatrics* 25:216–31
- Williams D, Stott CM, Goodyer IM *et al.* (2000) Specific language impairment with or without hyperactivity: Neuropsychological evidence for frontostriatal dysfunction. *DMCN* 42:368–75
- Williams HG (1983) *Perceptual and motor development*. Prentice-Hall, Englewood Cliffs, New Jersey
- Williams J, Griebel ML, Sharp GB *et al.* (1998) Cognition and behavior after temporal lobectomy in pediatric patients with intractable epilepsy. *Pediatr Neurol* 19:189–94
- Williams JHG, Whiten A & Suddendorf T (2001) Imitation, mirror neurons and autism. *Neurosci Biobehav Rev* 25:287–95
- Williams M (1979) *Brain damage, behaviour, and the mind*. John Wiley and sons, Chichester
- Williams ML, Lewandowski LJ, Coplan J *et al.* (1987) Neurodevelopmental outcome of pre-school children born preterm with and without intracranial hemorrhage. *DMCN* 29:243–49
- Williamson AA, Mindell JA, Hiscock H *et al.* (2020) Longitudinal sleep problem trajectories are associated with multiple impairments in child well-being. *JCPP* 61:1092–1103
- Wilson AC & Bishop DVM (2018) Sex chromosome trisomies are not associated with atypical lateralization for language. *DMCN* 60:1132–9
- Wilson AC & Bishop DVM (2018) Resounding failure to replicate links between developmental language disorder and cerebral lateralisation. *Peer J* 6:e4217
- Wilson PH, Maruff P, Ives S *et al.* (2001) Abnormalities of motor and praxis imagery in children with DCD. *Hum Mot Sci* 20: 135–59
- Wilson RS (1983) The Louisville twin study: Developmental synchronies in behavior. *Child Dev* 54:298–316
- Wilson BC, Iacovello JM, Wilson JJ *et al.* (1982) Purdue pegboard Performance of Normal Pre-school Children. *J Clin Neuropsychol* 4:19–26
- Wilson AC & Bishop DVM (2018) Sex chromosome trisomies are not associated with atypical lateralization for language. *Dev Med & Child Neurol* 60:1132–39
- Wing L (1981) Asperger's syndrome: a clinical account. *Psychological Medicine* 11:115–129
- Winnicott DW (1953) Transitional objects and transitional phenomena. *Int J Psychoanal* 34:89–97
- Winnicott DW (1958) Mind and its relation to the psyche-soma. In: collected papers, through paediatrics to psychoanalysis (pp. 243–254). London: Tavistock Publications. Reprinted from: Winnicott DW (1954) *British J Med Psychol* 27:201–09
- Winnicott DW (1963/2002) *The maturational processes and the facilitating environment*. London: Karnac
- Winnicott DW (1970) The mother–infant experience of mutuality. In: ed. Antony E & Bender T *Parenthood, Its psychology and psychopathology*. Boston: Little, Brown.
- Winocur G (1984) Memory localization in the brain. In: LR Squire and N Butters (eds) *Neuropsychology of memory*. Guilford Press, New York, London, pp 122–33
- Winston KR (1983) Intracranial tumors in children. In: TW Farmer (ed) *Paediatric neurology*, 3rd ed. Harper and Row, Philadelphia, pp 549–72
- Winter E, Prendergast M & Green A (1996) Narcolepsy in a 2-year-old boy. Case report. *DMCN* 38:356–70
- Wisniewski KE, French JH, Fernando S *et al.* (1985) Fragile x syndrome: Associated neurological abnormalities and developmental disabilities. *Ann Neurol* 18:665–69
- Winstanley M, Webb RT, Conti-Ramsden G (2018) More or less likely to offend? Young adults with a history of identified developmental language disorders. *Int J Lang Commun Disord*. 53:256–70
- Witelson SF (1976) Sex and the single hemisphere: specialization of the right hemisphere for spatial processing. *Sci* 193:425–27
- Witelson SF (1977) Anatomic asymmetry in the temporal lobes: Its documentation, phylogenesis and relationships to functional asymmetry. In: Dimond SJ & Blizard (eds) *Evolution and lateralization of the brain*. Ann NY Ac Sci 299:328–54
- Witelson SF (1985a) Neuroanatomical asymmetry in left-handers, a review and implications for functional asymmetry. In: Herron J (ed) *Neuropsychology of lefthandedness*, Academic Press, New York, pp 79–113
- Witelson SF (1985b) On hemisphere specialization and cerebral plasticity from birth: Mark II. In: Best CT (ed) *Hemispheric function and collaboration in the child*. Acad Press, Orlando, pp 33–85
- Witelson SF (1985c) The brain connection: the corpus callosum is larger in left-handers. *Sci* 229:665–68
- Witelson SF (1989) Hand and sex differences in the isthmus and genu of the human corpus callosum. A post-mortem morphological study. *Brain* 112:799–835
- Witelson SF (1995) Neuroanatomical bases of hemispheric functional specialization in the human brain: possible developmental factors. In: Kitterle FL (ed) *Hemispheric communication. Mechanisms and models*. Lawrence Erlbaum Ass, Publ, Hillsdale, New Jersey, USA, pp 374
- Witelson SF, Gleser I & Kigar DL (1995) Women have greater density of neurons in posterior temporal cortex. *J Neurosci* 15:3418–28
- Witelson SF & Kigar DL (1991) Anatomy of the planum temporale in relation to side, handedness and sex. *Soc Neurosci Abstracts* 17:1044
- Witelson SF & Kigar DL (1992) Sylvian fissure morphology and asymmetry in men and women: Bilateral differences in relation to handedness in men. *J Comp Neurol* 323:326–40
- Witelson SF & Nowakowski RS (1991) Left out axons make men right: A hypothesis for the origin of handedness and functional asymmetry. Commentary. *Neuropsychol* 29:327–33
- Witelson SF & Pallie W (1973) Left hemisphere specialisation of language in the newborn. Neuroanatomical evidence of asymmetry. *Brain* 96:641–46
- Witkin HA, Dyk RB, Faterson HF *et al.* (1962) Psychological differentiation. Wiley, New York
- Witkin HA, Goodenough DR & Karp SA (1967) Stability of cognitive style from childhood to young adulthood. *J Pers Soc Psychol* 7:291–300
- Witt ST, Meyerand ME, & Laird AR (2008) Functional neuroimaging correlates of finger tapping task variations: An ALE meta-analysis. *Neuroimage* 42:343–56
- Wittmann M (1999) Time perception and temporal processing levels of the brain. *Chronobiol Int* 16:17–32
- Whitehouse AJ, Barry JG & Bishop DV (2007) The broader language phenotype of autism: a comparison with specific language impairment. *JCPP* 48:822–30
- Whitehouse AJ, Barry JG & Bishop DV (2007) Further defining the language impairment of autism: Is there a specific language impairment subtype? *J Comm Dis* 4:319–36
- Wolf M (1982) The word–retrieval process and reading in children and aphasics. In: Nelson KE (ed) *Children's language*. Hillsdale, NJ, Erlbaum
- Wolf M & Bowers PG (1999) The double-deficit hypothesis for the developmental dyslexias. *J Educ Psychol*. 91:415–38
- Wolf NI, Vanderver A, van Spaendonk RML *et al.* (2014) Clinical spectrum of 4H leukodystrophy caused by *POLR3A* and *POLR3B* mutations. *Neuro* 83:1898–1905
- Wolff JJ, Dimian AF, Botteron KN *et al.* (2019) A longitudinal study of parent-reported sensory responsiveness in toddlers at-risk for autism. *JCPP* 60:314–24
- Wolff PH (1977) Maturation factors in behavioral development. In: McMillan MF & Henao S (eds) *Child psychiatry: treatment and research*. Brunner–Mazel New York, pp 3–22
- Wolff PH (1981) Normal variation in human maturation. In: Connolly KJ & Prechtl HFR (eds) *Maturation and development: biological and psychological perspectives*. Clin Dev Med 77–78 SIMP. W. Heinemann, London pp 1–18
- Wolff PH (1984) Discontinuous changes in human wakefulness around the end of the second

month of life: a developmental perspective. In: Prechtl (ed) *Continuity of neural functions from prenatal to postnatal life*. Clin Dev Med 94 SIMP. Blackwell Med Publ, Oxford & Lippincott, Philadelphia, pp 144–58

Wolff PH & Fagard J (eds. 1991) *The development of timing control and temporal organization in coordinated action*. Amsterdam: Elsevier Sci Publ

Wolff PH, Gunnoe CE & Cohen C (1983) Associated movements as a measure of developmental age. *DMCN* 25:417–29

Wolff PH & Hurwitz I (1966) The choreiform syndrome. *DMCN* 8:160–65

Wolff PH & Hurwitz I (1976) Sex differences in finger tapping: A developmental study. *Neuropsychol* 14: 35–41

Wolff PH, Hurwitz I & Moss H (1977) Serial organization of motor skills in left- and right-handed adults. *Neuropsychol* 15:539–46

Wolff PH, Kotwica K & Obregon M (1998) The development of interlimb coordination during bimanual finger tapping. *Int J Neurosci* 93:7–27

Wolff PH, Michel GF, Ovrut M *et al.* (1990) Rate and timing precision of motor coordination in developmental dyslexia. *Dev Psychol* 26:349–59

Wolff S, Narayan S, Moyes B (1988) Personality characteristics of parents of autistic children: a controlled study. *JCPP*. 29:143–53

Wolffus B, Moscovitch M & Kinsbourne M (1980) Subgroups of developmental language impairment. *Brain Lang* 10:152–71

Volke D & Meyer R (1999) Cognitive status, language attainment, and prereading skills of 6-year-old very preterm children and their peers: the Bavarian longitudinal study [Review]. *DMCN* 41:94–109

Wolpert CM, Menold MM, Bass MP *et al.* (2000) Three probands with Autistic Disorder and Isodicentric Chromosome 15. *Am J Med Gen (Neuropsychiat Gen)* 96:365–72

Woltering S & Lewis MD (2009) Developmental pathways of emotion regulation in childhood: a neuropsychological perspective. *Mind, Brain & Educ* 3:160–69

Wolters Ech & Groenewegen HJ (2006, 3e druk) *Neurologie. Structuur, functie en dysfunctie van het zenuwstelsel*. Bohn Stafleu Van Loghum, Houten

Won DC, Feldman M & Huffman LC (2018) Sleep Problem Detection and Documentation in Children With ASD and ADHD by Developmental-Behavioral Pediatricians: A DBPNet Study. *J Dev Behav Pediatr* 40:1

Wong CW (2000) Corpus callosum and cerebral laterality in a modular brain model. *Med Hypothesis* 55:177–82

Wood AC, & Neale MC (2010) Twin Studies and Their Implications for Molecular Genetic Studies: Endophenotypes Integrate Quantitative and Molecular Genetics in ADHD Research. *JAACAP* 49:874–83

Woods BT (1985) Acquired aphasia in children. In: Frederiks JAM (ed) *Handbook of Clinical Neurology vol 2 (46) Neurobehavioural disorders*. Elsevier Science Publishers, Amsterdam, pp 147–57

Woods BT (1985) Developmental dysphasia. In: Frederiks JAM (ed) *Handbook of Clinical Neurology vol 2 (46) Neurobehavioural disorders*. Elsevier Science Publ, Amsterdam, pp 139–45

Woodward AL (1998) Infants selectively encode the goal object of an actor's reach. *Cogn* 69:1–34

Woollacott MH, Assaiante C, Amblard B (2018) *Development of balance and gait control*. In: Bronstein A & Brandt T (Eds) *Clinical Disorders of Balance, Posture and Gait*, 2ed

Woollacott MH & Shumway-Cook A (1994) Maturation of feedback control of posture and equilibrium. In: Fedrizzi E, Acanzini G & Crenna P (eds) *Motor development in children*. London: J Libbey & Cy, pp 59–70

Wordworth William (1992) *Selected poetry*. The Penguin Poetry Library. Penguin Books, London

Worling DE, Humphries T & Tannock R (1999) Spatial and emotional aspects of language inferencing in nonverbal learning disabilities. *Brain Lang* 70:220–39

Worsley CL, Recce M, Spiers HJ *et al.* (2001) Path integration following temporal lobectomy in humans. *Neuropsychol* 39:452–64

Worster-Drought C (1956) Congenital suprabulbar paresis. *J Laryng Otol* 70:453–63

Wozniak J, Biederman J, Kiely K *et al.* (1995) Mania-like symptoms suggestive of childhood-onset bipolar disorder in clinically referred children. *JAACAP* 34:867–76

Wright A & Booth R (2023) Neuropsychological profiles of children with agenesis of the corpus callosum: A scoping review. *DMCN* 65:1141–9

Wright BA, Lombardino LJ, King WM *et al.* (1997) Deficits in auditory temporal and spectral resolution in language-impaired children. *Nature* 387:176–8

Wu L, Su S, Dai Y *et al.* (2024) Disrupted Small-World Networks in Children with Drug-Naïve Attention-Deficit/Hyperactivity Disorder: A DTI-Based Network Analysis. *Dev Neurosci*. 46:201–9

Wu W-L, Adame MD, Liou C-W *et al.* (2021) Microbiota regulate social behaviour via stress response neurons in the brain. *Nature* 595: 409–414

Wuang YP, Huang CL, Wu CS (2022) Haptic Perception Training Programs on Fine Motor Control in Adolescents with Developmental Coordination Disorder: A Preliminary Study. *J Clin Med*. 11:4755

Wulfeck BB, Trauner DA & Tallal PA (1991) Neurologic, cognitive, and linguistic features of infants after early stroke. *Pediatr Neurol* 7:266–9

Wurtz RH, Goldberg M & Robinson DL (1982) Brain mechanisms of visual attention. *Sci Am* 246:100–107

Wyke M (1967) Effect of brain lesions on the rapidity of arm movements. *Neurol* 17:1113–20

Wyke M (1971) The effects of brain lesions on the learning performance of a bimanual coordination task. *Cortex* 7:59–72

Wyke M (ed 1978) *Developmental dysphasia*. Acad Press, London

Wynchank DS, Bijlenga D, Lamers F *et al.* (2016) ADHD, circadian rhythms and seasonality. *J Psychiatr Res* 81:87–94

X

Xie L, Kang H, Xu Q *et al.* (2013) Sleep initiated fluid flux drives metabolite clearance from the adult brain." *Sci* 342:373–77

Xing S, Lacey EH, Skipper-Kallal LM *et al.* (2015) Right hemisphere grey matter structure and language outcomes in chronic left hemisphere stroke. *Brain* 139:227–41

Xu W, Ren L, Hao X *et al.* (2024) The brain markers of creativity measured by divergent thinking in childhood: Hippocampal volume and functional connectivity. *Neuroimage*. 291:120586

Y

Yager JY & Hartfield DS (2002) Neurologic manifestations of iron deficiency in childhood. *Pediatr Neurol* 27:85–92

Yagmurlu K, Middlebrooks EH, Tanriover N *et al.* (2016) Fiber tracts of the dorsal language stream in the human brain. *JNS* 124:1396–405

Yakovlev PI (1962) Morphological criteria of growth and maturation of the nervous system in man. *Res Publ Ass Res Nerv Mental Dis* 39:3–46

Yaman A, Mesman J, Van IJendoorn MH *et al.* (2010) Parenting in an individualistic culture with a collectivistic cultural background: The case of Turkish immigrant families with toddlers in the Netherlands. *J Child Fam Stud* 19:617–28

Yanchao B, Zaizhu H & Yumei Z (2009) Reading does not depend on writing, even in Chinese. *Neuropsychol* 1193–99

Yeates KO, Armstrong K, Janusz J *et al.* (2005). Long-term attention problems in children with traumatic brain injury. *JAACAP* 44:574–84

Yeates KO, Levin HS & Ponsford J (2017) The Neuropsychology of Traumatic Brain Injury: Looking Back, Peering Ahead. *JINS* 23:806–17

Yeatman JD, Dougherty RF, Ben-Shachar M (2012) Development of white matter and reading skills. *PNAS* 109:E3045–53

Yeo BT & Eickhoff SB (2016) A modern map of the human cerebral cortex. *Nature* 536:152–4

Yerys BE, Gordon EM, Abrams DN *et al.* (2015) Default mode network segregation and social deficits in autism spectrum disorder: evidence from non-medicated children. *NeuroImage: Clin* 9:223–32

Ylihaerva A, Olsén P, Mäki-Torri E *et al.* (2001) Linguistic and Motor Abilities of Low-Birthweight Children as Assessed by Parents and Teachers at 8 y. of Age. *Acta Paediatr* 90:1440–9

Yokoyama S, Kim J, Uchida S *et al.* (2013) Cross-linguistic influence of first language writing systems on brain responses to second language word reading in latebilinguals. *Brain & Beh* 3:525–31

Yoo SW, Motari MG, Sasaki K *et al.* (2015) Sialylation regulates brain structure and function. *FASEB Journal*, 29:3040–53

Young CM, Folsom RC, Paul LK (2019) Awareness of consequences in agenesis of the cor-

- pus callosum: Semantic analysis of responses. *Neuropsychol.* 33:275–84
- Yovell Y (2008) Is there a drive to love? *Neuropsychanalysis* 10:117–149
- Young G, Segalowitz SJ, Corter CM *et al.* (eds 1983) *Manual specialization and the developing brain*. Acad Press, New York, pp 13–32
- Young JM, Morgan BR, Whyte HEA *et al.* (2017) Longitudinal Study of White Matter Development and Outcomes in Children Born Very Preterm. *Cereb Cortex* 27:4094–105
- Younger DS (2023) Pediatric neuropsychiatric disorders with motor and nonmotor phenomena. *Ch. 18. Handbook Clin Neurol. Vol. 196*, pp 367–87
- Younger DS (2025) Pediatric early-onset neuropsychiatric obsessive compulsive disorders. *J Psychiatr Res.* 186:84–97
- Youngstrom EA, Arnold LE, Frazier TW (2010) *Bipolar and ADHD Comorbidity: Both Artifact and Outgrowth of Shared Mechanisms*. Clinical Psychology: Science and Practice. 17, Issue 4
- Yovell Y (2008) Is there a drive to love? *Neuropsychanalysis* 10:117–149
- Ypma RJF, Moseley RL, Holt RJ *et al.* (2016) Default Mode Hypoconnectivity Underlies a Sex-Related Autism Spectrum. *Biol Psychiat: Cogn Neurosci Neuroimag* 1:364–71
- Z** —————
- Zachor DA & Ben-Itzhak E (2019) From Toddlerhood to Adolescence: Which Characteristics Among Toddlers With Autism Spectrum Disorder Predict Adolescent Attention Deficit/Hyperactivity Symptom Severity? A Long-Term Follow-Up Study. *J Autism Dev Disord* 49:3191–3202
- Zaidel E (1989) Hemispheric independence and interaction in word recognition. In: von Euler C, Lundberg I & Lennerstrand G (eds) *Brain and reading*. Wenner–Gren international symposium series vol 54, M Stockton Press, New York, pp 77–97
- Zaidel & M Iacoboni (eds, 2003) The parallel brain. *The cognitive neuroscience of the corpus callosum*, MIT Press, Cambridge, Mass
- Zaidel D & Sperry RW (1977) Some long-term effects of cerebral commissurotomy in man. *Neuropsychol* 15:193–204
- Zakay D (1992) The role of attention in children's time perception. *J Exp Child Psychol* 54:355–71
- Zakian A, Malvy J, Desombre H *et al.* (2000) Early signs of autism: A new study of family home movies. *Encephale–Rev de Psychiatrie Clinique Biologique et Therapeutique* 26:38–44
- Zametkin AJ, Nordahl TE, Gross M *et al.* (1990) Cerebral glucose metabolism in adults with hyperactivity of childhood onset. *New Engl J Med* 323:1361–6
- Zapparoli L, Seghezzi S & Paulesu E (2017) The what, the when, and the whether of intentional action in the brain: a meta-analytical review. *Front Hum Neurosci* 11:238
- Zapparolia L, Seghezzi S, Scifod P *et al.* (2018) Dissecting the neurofunctional bases of intentional action. *PNAS* 115:7440–45
- Zappella M (1990) Autistic features in children affected by cerebral gigantism. *Brain dysfunction* 3:241–4
- Zarfin Y, Pape K, Nwaesei C *et al.* (1984) Hemorrhagic and ischemic lesions in the preterm brain. *Pediatr Res* 18:381
- Zaric G, Fraga Gonzalez T, Tijms J, van der Molen MW, Blomert L *et al.* (2014) Reduced Neural Integration of Letters and Speech Sounds in Dyslexic Children Scales with Individual Differences in Reading Fluency. *PLoS ONE* 9:e110337
- Zatorre RJ, Evans AC, Meyer E *et al.* (1992) Lateralization of phonetic and pitch discrimination in speech processing. *Sci* 256:846–9
- Zavadenko N, Sokolova T, Petrukhin A *et al.* (1998) Post-concussional syndrome in children: clinical peculiarities and efficiency of nootropics. In: Velickovic Perat M (ed) *New Dev. Child Neurol. Proceedings 8th Int Congr. Child Neurol.* pp 469–73
- Zazzo R (1977) *Manuel pour l'examen psychologique de l'enfant*. Vol I. Delachaux et Niestlé, Neuchatel
- Zdorovtsova N, Jones J, Akarca D *et al.* (2023) Exploring neural heterogeneity in inattention and hyperactivity. *Cortex* 164:90–111
- Zhang D & Raichle ME (2010) Disease and the brain's dark energy. *Nat Rev Neurol* 6:15–28
- Zhang H (2020) Synaptic dysregulation in autism spectrum disorders. *J Neurosci Res.* 00:1–4
- Zhang L, Verwer RW, van Heerikhuizen J *et al.* (2022) Stress-associated purinergic receptors code for fatal suicidality in the hippocampal-hypothalamic-prefrontal circuit. *ioRxiv Preprint*
- Zhang L, Verwer RW, van Heerikhuizen J *et al.* (2024) Progesterone receptor distribution in the human hypothalamus and its association with suicide. *Acta Neuropath Comm* Open Access
- Zhang L, Verwer RW, Zhao J *et al.* (2021). Changes in glial gene expression in the prefrontal cortex in relation to major depressive disorder, suicide and psychotic features. *J Affect Dis*, 295:893–903
- Zhang L, Xing G, Levine S *et al.* (1997) Maternal deprivation introduces neuronal death. *Soc for Neurosci Abstracts* 23:1113
- Zhang L, Zhang L, Wang J, *et al.* (2024) Frontal Cortex Acts as Causality Transition Hub from Mirror Network to Mentalizing Network During Action Intention Understanding. *Brain Connect.* Nov 27
- Zhang R, Jiang X, Chang M *et al.* (2019) White matter abnormalities of corpus callosum in patients with bipolar disorder and suicidal ideation. *Ann Gen Psychiatr* 18:20
- Zhang W, Hashemi MM, Kaldewaij R *et al.* (2019) Acute stress alters the 'default' brain processing. *NeuroImage* 189:870–7
- Zhang Y, Inder TE, Neil JJ *et al.* (2015) Cortical structural abnormalities in very preterm children at 7 years of age. *NeuroImage* 109:469–79
- Zeanah CH, Scheeringa M, Boris NW *et al.* (2004) Reactive attachment disorder in maltreated toddlers. *Child Abuse & Neglect* 28:877–88
- Zeesman S, Nowaczek MJ, Teshima I *et al.* (2006) Speech and language impairment and oromotor dyspraxia due to deletion of 7q31 that involves FOXP2. *Am J Med Genet A* 140:509–14
- Zeguers C (1972) Kruisen in Limburg. Rotterdam: Lemniscaat
- Zeman A (2008) Consciousness: concepts, neurobiology, terminology of impairments, theoretical models and philosophical background. In Young GB, & Wijdicks EFM (Eds) *Handbook of Clinical Neurology*, Vol. 90 (3rd series) *Disorders of consciousness*. Amsterdam: Elsevier B.V.
- Zeki S (1993) *A vision of the brain*. Blackwell Sci Publ, Oxford
- Zhao J, Lucassen PJ & Swaab DF (2019) Suicide Is a Confounder in Postmortem Studies on Depression. *Soc Biol Psychiatr.* 86:e37–e40
- Zhao W, Luo L, Li Q *et al.* (2013) What can psychiatric disorders tell us about neural processing of the self? *Front Hum Neurosci* 7:485
- Zheng S, Zhang FX, Shum HPH *et al.* (2024) Unraveling the brain dynamics of Depersonalization-Derealization Disorder: a dynamic functional network connectivity analysis. *BMC Psychiat* 24:685
- Zhong Y, Yang B, Su Y (2020) The Association with Quantitative Response to Attention-Deficit/Hyperactivity Disorder Medication of the Previously Identified Neurodevelopmental Network Genes. *J Child Adolesc Psychopharmacol* 30:348–54
- Zhou G, Xiao NG, Sun Y *et al.* (2023) Face recognition ability can be predicted by microstructural properties of white matter: a study of diffusion tensor imaging (DTI). *Cereb Cortex* 33:8442–55
- Zhu F, Cizeron M, Qiu Z *et al.* (2018). Architecture of the Mouse Brain Synaptome. *Neuron*. doi:10.1016/j.neuron.2018.07.007
- Ziegler JC, Pech-Georgel C, Dufau S *et al.* (2010) Rapid processing of letters, digits and symbols: what purely visual-attentional deficit in developmental dyslexia? *Dev Sci.* 13:F8–F14
- Ziegler W (2003) Speech motor control is task-specific: Evidence from dysarthria and apraxia of speech. *Aphasiol* 17:3–36
- Ziemann U, Ishii K, Borgheresi A *et al.* (1999) Dissociation of the pathways mediating ipsilateral and contralateral motor-evoked potentials in human hand and arm muscles. *J Physiol–London* 18:895–906
- Zilbovicius M, Garreau B, Samson Y *et al.* (1995) Delayed maturation of the frontal cortex in childhood autism. *Am J Psychiat* 152:248–52
- Zilles K (2018) Brodmann: a pioneer of human brain mapping—his impact on concepts of cortical organization. *Brain*, 141:3262–78
- Zilles K, Bacha-Trams M, Palomero-Gallagher N *et al.* (2015) Common molecular basis of the sentence comprehension network revealed by neurotransmitter receptor fingerprints. *Cortex* 63:79–89
- Zimmerman IL, Steiner VG, Pard RE (1991) *Preschool language scales–3*. Psychol Corp, San Antonio
- Zimmerman RA, Bilaniuk LT & Grossman RI (1983) Computed tomography in migratory disorders of human brain development. In: Naidich TP and Fulling KH (eds) *Congenital malformations of the brain. Neuroradiol* 25:257–63

- Zink I & Breuls M (2019) Ontwikkelingsdysfasie. Apeldoorn: Maklu
- Zinkstok J, Velders F, Rieken R e a. (2020) Psychose en bewegingsstoornissen bij een adolescent met 22q11.2-deletiesyndroom. *T v Psychiat, Klin prakt* 62:229–33
- Ziviani J & Watson-Will A (1998) Writing speed and legibility of 7-14-year- old school student using modern cursive script. *Austr Occup Ther J* 45:59–64
- Zoghbi H Y & Bear MF (2012) Synaptic dysfunction in neurodevelopmental disorders associated with autism and intellectual disabilities. *Cold Spring Harbor Perspect Biol* 4(3), a009886
- Zori RT, Hendrickson J, Woolven S *et al.* (1992) Angelman syndrome: clinical profile. *J Child neurol* 7:270–80
- Zorzi M, Priftis K & Umiltà C (2002) Neglect disrupts the mental number line. *Nature* 417:138–9
- Zuckerman M (1984) Sensation seeking: a comparative approach to a human trait. *Behav Brain Sci* 7:413–71
- Zuckerman M (1994) *Behavioral expressions and biosocial bases of sensation seeking*. Cambridge University Press, Cambridge, pp 463
- Zuk L (2011) Fetal and Infant Spontaneous General Movements as Predictors of Developmental Disabilities. *DD Res Rev* 17: 93–101
- Zülch KJ & Müller N (1976) Associated movements in man. In: PJ Vincken & GW Bruyn (eds) *Handbook of clinical neurology. Vol 1*. North Holland, Amsterdam, pp 404–26
- Zurif EB & Carson G (1970) Dyslexia in relation to cerebral dominance and temporal analysis. *Neuropsychol* 8:351–61
- Zurif EB & Bryden P (1969) Familial handedness and left–right differences in auditory and visual perception. *Neuropsychol* 7:179–87
- Zwaigenbaum L, Young GS, Stone WL *et al.* (2014) Early Head Growth in Infants at Risk of Autism: A Baby Siblings Research Consortium Study. *J AACAP* 53:1053–62