

REFERENCES

- Aiken, L. R., & Williams, E. N. (1968). Three variables related to reaction time to compare single-digit numbers. *Perceptual and Motor Skills*, 27, 199–206.
- Ansari, D., Donlan, C., Thomas, M.S.C., Ewing, S.A., Peen, T., & Karmiloff-Smith, A. (2003). What makes counting count? Verbal and visuo-spatial contributions to typical and atypical number development. *Journal of Experimental Child Psychology*, 85 (1), 50-62.
- Antell, S.E., & Keating, D.P. (1983). Perception of numerical invariance in neonates. *Child Development*, 54, 695-701.
- Barth, H., La Mont, K., Lipton, J., Dehaene, S., Kanwisher, N., & Spelke, E. (2006). Non-symbolic arithmetic in adults and young children. *Cognition*, 98, 199-222.
- Bavelier, D., & Neville, H.J. (2002). Cross-modal plasticity: where and how". *Nature Neuroscience*, 2, 443-452.
- Bijeljac-Babic, R., Bertoni, J., & Mehler, J. (1993). How do 4-day-old infants categorize multisyllabic utterances? *Developmental Psychology*, 29 (4), 711-721.
- Bisiach, E., & Vallar, G., (1988). Hemineglect in humans. In F. Boller and J. Grafman (Eds.), *Handbook of Neuropsychology*, vol. 1, Amsterdam: Elsevier Science, p. 195-222.
- Booth, J.L., & Siegler, R.S. (2006). Developmental and individual differences in pure numerical estimation. *Developmental Psychology*, 41 (6), 189-201.
- Bower, T.G.R. (1977). *A primer of infant development*. San Francisco: W.H. Freeman & Co.
- Brannon, E.M., & Terrace, H.S. (1998). Ordering of the numerosities 1 to 9 by monkeys. *Science*, 282, 746-749.
- Brannon, E.M., & Terrace, H.S. (2000). Representation of the numerosities 1-9 by rhesus monkeys. *Journal of Experimental Psychology: Animal Behavior Processes*, 25, 31-49.
- Brysbaert, M. (1995). Arabic number reading: on the nature of the numerical scale and the origin of phonological recoding. *Journal of Experimental Psychology: General*, 124 (4), 434-452.
- Buckley, P. B., & Gillman, C. B. (1974). Comparisons of digits and dot patterns. *Journal of Experimental Psychology*, 103 (6), 1131–1136.
- Butterworth, B. (2000). *The Mathematical Brain*. London: Macmillan.
- Butterworth, B. (2005). The development of arithmetical abilities. *Journal of Child Psychology and Psychiatry*, 46 (1), 3-18.
- Butterworth, B., Zorzi, M., Girelli, L., & Jonckheere, A.R. (2001). Storage and retrieval of addition facts: the role of number comparison. *Quarterly Journal of Experimental Psychology*, 54A, 1005-1029.
- Calabria, M., & Rossetti, Y. (2005). Interference between number processing and line bisection: a methodology. *Neuropsychologia*, 43, 779-783.

2 REFERENCES

- Campbell, J.I.D., & Clark, J.M. (1988). An encoding-complex view of cognitive number processing: Comment on McCloskey, Sokol, & Goodman (1986). *Journal of Experimental Psychology: General*, 117, 204-214.
- Carreiras, M., & Codina, B. (1992). Spatial cognition of the blind and sighted: visual and amodal hypotheses. *Cahiers de Psychologie Cognitive*, 12 (1), 51-78.
- Carrey, S. (2001). Cognitive foundations of arithmetic: Evolution and ontogenesis. *Mind and Language*, 16, 37-55.
- Casarotti, M., Michielin, M., Zorzi, M., & Umiltà, C. (2007). Temporal order judgement reveals how number magnitude affects visuo-spatial attention. *Cognition*, 102, 101-117.
- Case, R., & Okamoto, Y. (1996). The role of conceptual structures in the development of children's thought. *Monographs of the Society for Research in Child Development*, 61, Nos. 1-2 (Serial No.246).
- Chochon, F., Cohen, L., Van de Moortele, P.F., & Dehaene, S. (1999). Differential contributions of the left and right inferior parietal lobules to number processing. *Journal of Cognitive Neuroscience*, 11, 617-630.
- Cipolotti, L., Butterworth, B., & Denes, G. (1991). A specific deficit for numbers in a case of dense acalculia. *Brain*, 114, 2619-2637.
- Colby, C.L., Duhamel, J.R., & Goldberg, M.E. (1995). Oculocentric spatial representation in parietal cortex. *Cerebral Cortex*, 5, 470-481.
- Collignon, O., Renier, L., Bruyer, R., Tranduy, D., & Veraart, C. (2006). Improved selective and divided spatial attention in early blind subjects. *Brain Research*, 1075, 175-182.
- Cordes, S., Gelman, R., Gallistel, C.R., & Whalen, J. (2001). Variability signatures distinguish verbal from nonverbal counting for both large and small numbers. *Psychonomic Bulletin & Review*, 8 (4), 698-707.
- Dehaene, S. (1989). The psycho-physics of numerical comparison: a re-examination of apparently incompatible data. *Perception & Psychophysics*, 45 (6), 557-566.
- Dehaene, S. (1992). Varieties of numerical abilities. *Cognition*, 44, 1-42.
- Dehaene, S. (1996). The organization of brain activations in number comparison: event-related potentials and the additive-factors method. *Journal of Cognitive Neuroscience*, 8 (1), 47-68.
- Dehaene, S. (1997). *The Number Sense*. New York: Oxford University Press.
- Dehaene, S. (2001). Précis of the Number Sense. *Mind and Language*, 16 (1), 16-36.
- Dehaene, S. (2003). The neural basis of the Weber-Fechner law: a logarithmic mental number line. *Trends in Cognitive Sciences*, 7, 145-147.

- Dehaene, S., & Akhavein, R. (1995). Attention, automaticity, and levels of representation in number processing. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 21 (2), 314–326.
- Dehaene, S., & Cohen, L. (1997). Cerebral pathways for calculation: double dissociation between rote verbal and quantitative knowledge of arithmetic. *Cortex*, 33, 219–250.
- Dehaene, S., Bossini, S., & Giraux, P. (1993). The mental representation of parity and number magnitude. *Journal of Experimental Psychology: General*, 122 (3), 371–396.
- Dehaene, S., Dehaene-Lambertz, G., & Cohen, L. (1998). Abstract representations of numbers in the animal and human brain. *Trends In Neurosciences*, 21 (8), 355–361.
- Dehaene, S., Dupoux, E., & Mehler, J. (1990). Is numerical comparison digital? Analogical and symbolic effects in two-digit number comparison. *Journal of Experimental Psychology: Human Perception and Performance*, 16 (3), 626–641.
- Dehaene, S., Piazza, M., Pinel, P., & Cohen, L. (2003). Three parietal circuits for number processing. *Cognitive Neuropsychology*, 20, 487–506.
- Dehaene, S., Spelke, E., Pinel, P., Stanescu, R., & Tsivkin, S. (1999). Sources of mathematical thinking: behavioural and brain-imaging evidence. *Science*, 284, 970–974.
- Dehaene, S., Spelke, E., Stanescu, R., Pinel, P., & Tsivkin, S. (1999). Sources of mathematical thinking: Behavioral and brain-imaging evidence. *Science*, 284, 970–974.
- De Volder, A.G., Toyama, H., Kimura, Y., Kiyosawa, M., Nakano, H., Vanlierde, A., Wanet-Defalque, M.-C., Mishina, M., Oda, K., Ishiwata, K., & Senda, M. (2001). Auditory triggered mental imagery of shape involves visual association areas in early blind humans. *NeuroImage*, 14, 129–139.
- Eger, E., Sterzer, P., Russ, M.O., Giraux, A.-L., & Kleinschmidt, A. (2003). A supramodal number representation in human intraparietal cortex. *Neuron*, 37, 719–725.
- Emmerton, J., Lohmann, A., & Niemann, J. (1997). Pigeons' serial ordering of numerosities with visual arrays. *Animal Learning and Behavior*, 25 (2), 234–244.
- Feigenson, L., Dehaene, S., & Spelke, E. (2004). Core systems of number. *Trends in Cognitive Sciences*, 8 (7), 307–314.
- Fernandes, D.M., & Church, R.M. (1982). Discrimination of the number of sequential events by rats. *Animal Learning and Behavior*, 10, 171–176.
- Fias, W. (2001). Two routes for the processing of verbal numbers: evidence from the SNARC effect. *Psychological Research*, 65, 250–259.
- Fias, W., & Fischer, M. (2005). Spatial representation of Numbers. In J. Campbell (Ed.), *Handbook of mathematical cognition* (pp. 43–54). New York: Psychology Press.

4 REFERENCES

- Fias, W., & Verguts, T. (2004). The mental number line: exact and approximate. *Trends in Cognitive Sciences*, 8 (10), 447-448.
- Fias, W., Brysbaert, M., Geypens, F., & d'Ydewalle, G. (1996). The importance of magnitude information in numerical processing: evidence from the SNARC effect. *Mathematical Cognition*, 2 (1), 95-110.
- Fias, W., Lammertyn, J., Reynvoet, B., Dupont, P., & Orban, G. A. (2003). Parietal representation of symbolic and non-symbolic magnitude. *Journal of Cognitive Neuroscience*, 15 (1), 47-56.
- Fias, W., Lauwereyns, J., & Lammertyn, J. (2001). Irrelevant digits affect feature-based attention depending on the overlap of neural circuits. *Cognitive Brain Research*, 12, 415-423.
- Fischer, M.H. (2001). Number processing induces spatial performance biases. *Neurology*, 57, 822-826.
- Fischer, M.H. (2003). Spatial representations in number processing – evidence from a pointing task. *Visual Cognition*, 10, 493-508.
- Fischer, M.H., Castel, A.D., Dodd, M.D., & Pratt, J. (2003). Perceiving numbers causes spatial shifts of attention. *Nature Neuroscience*, 6 (6), 555-556.
- Foltz, G.S., Poltrock, S.E., & Potts, G.R. (1984). Mental comparison of size and magnitude: size congruity effect. *Journal of Experimental Psychology: Learning, Memory and Cognition*, 10 (3), 442-453.
- Fraiberg, S. (1977). *Insights from the blind*. New York: Basic Books.
- Gallistel, C.R., & Gelman, R. (1992). Pre-verbal and verbal counting and computation. *Cognition*, 44, 43-74.
- Gallistel, C.R., & Gelman, R. (2000). Non-verbal numerical cognition: from reals to integers. *Trends in Cognitive Sciences*, 4 (2), 59-65.
- Galton, F. (1880a). Visualised numerals. *Nature*, 21, 252-256.
- Galton, F. (1880b). Visualised numerals. *Nature*, 21, 494-495.
- Gaunet, F., & Rossetti, Y. (2006). Effects of visual deprivation on space representation: Immediate and delayed pointing toward memorised proprioceptive targets. *Perception*, 35, 107-124.
- Gaunet, F., & Thinus-Blanc, C. (1996). Early-blind subjects' spatial abilities in the locomotor space: exploratory strategies and reaction-to-change performance. *Perception*, 25, 967-981.
- Gaunet, F., Martinez, J.-L., & Thinus-Blanc, C. (1997). Early-blind subjects spatial representation of manipulatory space: exploratory strategies and reaction to change. *Perception*, 26, 345-366.
- Gelman, R., & Butterworth, B. (2005). Number and language: how are they related? *TRENDS in Cognitive Science*, 9 (1), 6-10.

-
- Gelman, R., & Gallistel, C.R. (2004). Language and the origin of numerical concepts. *Science*, 306, 441-443.
- Gertsman, J. (1940). The syndrome of finger agnosia, disorientation for right and left, agraphia and acalculia. *Archives of Neurology, Neurosurgery and Psychiatry*, 44, 398-408.
- Gevers, W., Reynvoet, B., & Fias, W. (2003). The mental representation of ordinal sequences is spatially organized. *Cognition*, 87, 87-95.
- Gevers, W., Verguts, T., Reynvoet, B., Caessens, B., & Fias, W. (2006). Numbers and Space: a computational model of the SNARC effect. *Journal of Experimental Psychology: Human Perception and Performance*, 32 (1), 32-44.
- Gordon, P. (2004). Numerical cognition without words: evidence from Amazonia. *Science*, 306, 496-499.
- Guariglia, C., Padovani, A., Pantano, P., & Pizzamiglio, L. (1991). Unilateral neglect restricted to visual imagery. *Nature*, 364, 235-237.
- Haber, R. N., Haber, L.R., Levin, C.A., & Hollyfield, R. (1993). Properties of spatial representations: data from sighted and blind subjects. *Perception and Psychophysics*, 54 (1), 1-13.
- Hartlage, L.C. (1969). Verbal tests of spatial conceptualization. *Journal of Experimental Psychology*, 80, 180-182.
- Hauser, M.D., & Carey, S. (2003). Spontaneous representations of small numbers of objects by rhesus macaques: examination of content and format. *Cognitive Psychology*, 47, 367-401.
- Hauser, M.D., Dehaene, S., Dehaene-Lambertz, G., & Patalano, A.L. (2002). Spontaneous number discrimination of multi-format auditory stimuli in cotton-top tamarins. *Cognition*, 86, B23-B32.
- Hauser, M.D., Tsao, F., Garcia, P., & Spelke, E.S. (2003). Evolutionary foundations of number: Spontaneous representation of numerical magnitudes by cotton-top tamarins. *Proceedings of the Royal Society of London Series B – Biological Sciences*, 270 (1523), 1441-1446.
- Henik, A., & Tzelgov, J. (1982). Is three greater than five: the relation between physical and semantic size in comparison tasks. *Memory & Cognition*, 10 (4), 389-395.
- Hinrichs, J. V., Yurko, D. S., & Hu, J.-M. (1981). Two-digit number comparison: use of place information. *Journal of Experimental Psychology: Human Perception and Performance*, 7 (4), 890-901.
- Hubbard, E.M., Piazza, M., Pinel, P., & Dehaene, S. (2005). Interactions between number and space in parietal cortex. *Nature Reviews Neuroscience*, 6 (6), 435-448.
- Huntley-Fenner, G. (2001). Children's understanding of number is similar to adults' and rats': numerical estimation by 5-7-year-olds. *Cognition*, 78, B27-B40.

6 REFERENCES

- Huntley-Fenner, G., & Cannon, E. (2000). Preschoolers' magnitude comparisons are mediated by a preverbal analog mechanism. *Psychological Science*, 11 (2), 147-152.
- Johnson, D.M. (1939). Confidence and speed in the two-category judgement. *Archives of Psychology*, 241, 1-52.
- Keus, I.M., Jenks, K.M., Schwarz, W. (2005). Psychological evidence that the SNARC effect has its functional locus in a response selection stage. *Cognitive Brain Research*, 24, 48-56.
- Kujala, T., Alho, K., & Näätänen, R. (2000). Cross-model reorganization of human cortical functions. *Trends in Neurosciences*, 23, 115-120.
- Lavidor, M., Brinksman, V., & Göbel, S. (2004). Hemispheric asymmetry and the mental number line: comparison of double-digit numbers. *Neuropsychologia*, 42, 1927-1933.
- Lessard, N., Pare, M., Lepore, F., & Lassonde, M. (1998). Early-blind human subjects localize sound sources better than sighted subjects. *Nature*, 395, 278-280.
- Lewis, J.W., & Van Essen, D.C. (2000). Mapping of architectonic subdivisions in the macaque monkey, with emphasis on parieto-occipital cortex. *Journal of Comparative Neurology*, 428, 79-111.
- Lipton, J.S., & Spelke, E. (2003). Origins of number sense: large number discrimination in human infants. *Psychological Science*, 14, 396-401.
- Lipton, J.S., & Spelke, E. (2004). Discrimination of large and small numerosities by human infants. *Infancy*, 5, 271-290.
- Lipton, J.S., & Spelke, E. (2005). Preschool children's mapping of number words to nonsymbolic numerosities. *Child Development*, 76 (5), 978-988.
- Longo, M.R., & Lourenco, S.F. (2007). Spatial attention and the mental number line: Evidence for characteristic biases and compression. *Neuropsychologia*, 45, 1400-1407.
- Mayer, E., Martory, M.-D., Pegna, A.J., Landis, T., Delavelle, J., & Annoni, J.-M. (1999). A pure case of Gerstmann syndrome with a subangular lesion. *Brain*, 122, 1107-1120.
- Meck, W.H., & Church, R.M. (1983). A mode control model of counting and timing processes. *Journal of Experimental Psychology: Animal Behavior Processes*, 9, 320-334.
- Milner, A.D., & Goodale, M.A. (1995). *The visual brain in action*. Oxford: Oxford University Press.
- Mix, K. S., Huttenlocher, J., & Levine, S. C. (2002). Multiple cues for quantification in infancy: is number one of them? *Psychological Bulletin*, 128 (2), 278-294.
- Mix, K.S., Huttenlocher, J., & Levine, S.C. (1996). Do preschool children recognize auditory-visual numerical correspondences? *Child Development*, 67, 1592-1608.

-
- Moore, D., Benenson, J., Reznick, S.J., Peterson, M., & Kagan, J. (1987). Effect of auditory numerical information on infants' looking behavior: contradictory evidence. *Developmental Psychology*, 23 (5), 665-670.
- Morrongiello, B. A., Timney, B., Humphrey, K. G., Anderson, S., & Skory, C. (1995). Spatial knowledge in blind and sighted children. *Journal of Experimental Child Psychology*, 59, 211-233.
- Moyer, R. S., & Landauer, T. K. (1967). Time required for judgments of numerical inequality. *Nature*, 215, 1519-1520.
- Moyer, R.S. (1973). Comparing objects in memory. Evidence suggesting an internal psychophysics. *Perception and Psychophysics*, 13, 180-184.
- Müller, D., & Schwarz, W. (in press). Exploring the mental number line: evidence from a dual-task paradigm. *Psychological Research*.
- Nieder, A. (2005). Counting on neuron: the neurobiology of numerical competence. *Neuroscience*, 6, 177-190.
- Nieder, A., & Miller, E.K. (2003). Coding of cognitive magnitude: compressed scaling of numerical information in the primate prefrontal cortex. *Neuron*, 37, 149-157.
- Nieder, A., & Miller, E.K. (2004a). A parieto-frontal network for visual numerical information in the monkey. *Proceedings of the National Academy of Sciences of the United States of America*, 101 (19), 7457-7462.
- Nieder, A., & Miller, E.K. (2004b). Analog numerical representations in rhesus monkeys: evidence for parallel processing. *Journal of Cognitive Neuroscience*, 16 (5), 889-901.
- Notebaert, W., Gevers, W., Verguts, T., & Fias, W. (2006). Shared spatial representations for numbers and space: the reversal of the SNARC and the Simon effects. *Journal of Experimental Psychology: Human Perception and Performance*, 32 (5), 1197-1207.
- Nuerk, H.-C., Wood, G., & Willmes, K. (2005). The universal SNARC effect: the association between number magnitude and space is amodal. *Experimental Psychology*, 52 (3), 187-194.
- Ochaita, E., & Huertas, J. A. (1993). Spatial representation by persons who are blind: a study of the effects of learning and development. *Journal of Visual Impairment and Blindness*, 87 (2), 37-41.
- Orban, G.A., Van Essen, D., & Vanduffel, W. (2004). Comparative mapping of higher visual areas in monkeys and humans. *Trends in Cognitive Sciences*, 8, 315-324.
- Pesenti, M., Thioux, M., Seron, X., & De Volder, A. (2000). Neuroanatomical substrates of arabic number processing, numerical comparison, and simple addition: a PET study. *Journal of Cognitive Neuroscience*, 12, 461-479.

8 REFERENCES

- Piazza, M., Izard, V., Pinel, P., Le Bihan, D., & Dehaene, S. (2004). Tuning curves for approximate numerosity in the human intraparietal sulcus. *Neuron*, 44, 547-555.
- Pinel, P., Le Clec'h, G., van de Moortele, P.-F., Naccache, L., Le Bihan, D., & Dehaene, S. (1999). Event-related fMRI analysis of the cerebral circuit for number comparison. *NeuroReport*, 10, 1473-1479.
- Pinel, P., Dehaene, S., Rivière, D., & Le Bihan, D. (2001). Modulation of parietal activation by semantic distance in a number comparison task. *Neuroimage*, 14, 1013-1026.
- Pinel, P., Piazza, M., LeBihan, D., & Dehaene, S. (2004). Distributed and overlapping cerebral representations of number, size, and luminance during comparative judgments. *Neuron*, 41, 983-993.
- Platt, J.R., & Johnson, D.M. (1971). Localization of position within a homogeneous behaviour chain: effects of error contingencies. *Learning and Motivation*, 2, 386-414.
- Renier, L., Laloyaux, C., Collignon, O., Tranduy, D., Vanlierde, A., Bruyer, R., & De Volder, A. (2005). The Ponzo illusion with auditory substitution of vision in sighted and early-blind subjects. *Perception*, 34, 857-867.
- Restle, F. (1970). Speed of adding and comparing numbers. *Journal of Experimental Psychology*, 83 (2), 274-278.
- Reynvoet, B., & Brysbaert, M. (1999). Single-digit and two-digit Arabic numerals address the same semantic number line. *Cognition*, 72, 191-201.
- Reynvoet, B., & Brysbaert, M. (2004). Cross-notation number priming investigated at different stimulus onset asynchronies in parity and naming tasks. *Experimental Psychology*, 51, 81-90.
- Reynvoet, B., Brysbaert, M. & Fias, W. (2002). Semantic priming in number naming. *Quarterly Journal of Experimental Psychology*, 55A (4), 1127-1139.
- Reynvoet, B., Caessens, B., & Brysbaert, M. (2002). Automatic stimulus-response associations may be semantically mediated. *Psychonomic Bulletin & Review*, 9, 107-112.
- Rieser, J.J., Guth, D.A., & Hill, E.W. (1986). Sensitivity to perspective structure while walking without vision. *Perception*, 15, 173-188.
- Riggs, K.J., Ferrand, L., Lancelin, D., Fryziel, L., Dumur, G., & Simpson, A. (2006). Subitizing in tactile perception. *Psychological Science*, 17 (4), 271-272.
- Röder, B., Rösler, F., & Neville, H.J. (1999). Effects of interstimulus interval on auditory event-related potentials in congenitally blind and normally sighted humans. *Neuroscience Letters*, 264, 53-56.

-
- Rourke, B.P., & Conway, J.A. (1997). Disabilities of arithmetic and mathematical reasoning: Perspectives from neurology and neuropsychology. *Journal of Learning Disabilities*, 30, 34–46.
- Rousselle, L., Palmers, E., & Noël, M.-P. (2004). Magnitude comparison in preschoolers : what counts? Influence of perceptual variables. *Journal of Experimental Child Psychology*, 87, 57-84.
- Schwarz, W., & Keus, I.M. (2004). Moving the eyes along the mental number line: comparing SNARC effects with saccadic and manual responses. *Perception and Psychophysics*, 66, 651-664.
- Senden, M. von (1960). *Space and Sight*. London: Methuen.
- Seron, X., Pesenti, M., Noel, M.-P., Deloche, G., & Cornet, J.-A. (1992). Images of numbers, or « when 98 is upper left and 6 sky blue ». *Cognition*, 44, 159-196.
- Siegler, R.S., & Booth, J.L. (2004). Development of numerical estimation in young children. *Child Development*, 75 (2), 428-444.
- Siegler, R.S., & Opfer, J.E. (2003). The development of numerical estimation: evidence for multiple representations of numerical quantity. *Psychological Science*, 14 (3), 237-243.
- Simon, O., Mangin, J.-F., Cohen, L., Le Bihan, D., & Dehaene, S. (2002). Topographical layout of hand, eye, calculation, and language-related areas in the human parietal lobe. *Neuron*, 33, 475-487.
- Simon, T. J. (1997). Re-conceptualizing the origins of number knowledge: a ‘non-numerical’ account. *Cognitive Development*, 12, 349–372.
- Simon, T. J. (1999). The foundations of numerical thinking in a brain without numbers. *Trends in Cognitive Sciences*, 3 (10), 363–366.
- Simon, T.J., Bearden, C.E., McDonald-McGinn, D., & Zackai, E. (2005). Visuo-spatial and numerical cognition deficits in children with chromosome 22q11.2 deletion syndrome. *Cortex*, 41 (2), 145-155.
- Spalding, J.M., & Zangwill, O. (1950). Disturbance of number-form in a case of brain injury. *Journal of Neurology Neurosurgery and Psychiatry*, 12, 24-29.
- Starkey, P., & Cooper, R.G. (1980). Perception of numbers by human infants. *Science*, 210, 1033-1035.
- Starkey, P., Spelke, E.S., & Gelman, R. (1983). Detection of intermodal numerical correspondences by human infants. *Science*, 222, 179-181.
- Starkey, P., Spelke, E.S., & Gelman, R. (1990). Numerical abstraction by human infants. *Cognition*, 36, 97-127.

- Stelmach, L.B., & Herdman, C.M. (1991). Directed attention and perception of temporal order. *Journal of Experimental Psychology: Human Perception and Performance*, 17, 539-550.
- Szücs, D., & Csépe, V. (2005). The parietal distance effect appears in both the congenitally blind and matched sighted controls in an acoustic number comparison task. *Neuroscience Letters*, 384, 11-16.
- Temple, E., & Posner, M. (1998). Brain mechanisms of quantity are similar in 5-year-old children and adults. *Proceedings of the National Academy of Science*, 95, 7836-7841.
- Théoret, H., Merabet, L., & Pascual-Leone, A. (2004). Behavioral and neuroplastic changes in the blind: evidence for functionally relevant cross-modal interactions. *Journal of Physiology, Paris* 98, 221-223.
- Thinus-Blanc, C., & Gaunet, F. (1997). Space representations in the blind: Vision a spatial sense? ». *Psychological Bulletin*, 121, 20-42.
- Trick, L. M., & Pylyshyn, Z. W. (1994). Why are small and large numbers enumerated differently? A limited-capacity pre-attentive stage in vision. *Psychological Review*, 1001 (1), 80-102.
- Turconi, E., Jemel, B., Rossion, B., & Seron, X. (2004). Electrophysiological evidence for differential processing of numerical quantity and order in humans. *Cognitive Brain Research*, 21, 22-38.
- Verguts, T., Fias, W., & Stevens, M. (2005). A model of exact small-number representation. *Psychonomic Bulletin & Review*, 12 (1), 66-80.
- Vuilleumier, P., Ortigue, S., & Brugger, P. (2004). The number space and neglect. *Cortex*, 40, 399-410.
- Voss, P., Lassonde, M., Gougoux, F., Fortin, M., Guillemot, J.-P., & Lepore, F. (2004). Early- and late-onset blind individuals show supra-normal auditory abilities in far-space. *Current Biology*, 14, 1734-1738.
- Whalen, J., Gallistel, C.R., & Gelman, R. (1999). Nonverbal counting in humans: the psychophysics of number representation. *Psychological Science*, 10, 130-137.
- Wood, G., Nuerk, H.-C., & Willmes, K. (2006). Crossed hands and the SNARC effect: a failure to replicate Dehaene, Bossini and Giraux (1993). *Cortex*, 42 (8), 1069-1079.
- Wynn, K. (1992). Addition and subtraction by human infants. *Nature*, 358, 749-751.
- Wynn, K. (1996). Infants' individuation and enumeration of actions. *Psychological Science*, 7, 164-169.
- Wynn, K., Bloom, P., & Chiang, W.C. (2002). Enumeration of collective entities by 5-month-old infants. *Cognition*, 83, B55-B62.
- Xu, F. (2003). Numerosity discrimination in infants: evidence for two systems of representations. *Cognition*, 9, B15-B25.

- Xu, F., & Spelke, E.S. (2000). Large number discrimination in 6-month-old infants. *Cognition*, 74, B1–B11.
- Zebian, S. (2001). Influences of cultural artifacts and social practices on number conceptualization: experimental and ethnographic approaches to everyday numeric cognition. Unpublished doctoral dissertation. University of Western Ontario, Canada.
- Zorzi, M., Priftis, K., & Umiltà, C. (2002). Neglect disrupts the mental number line. *Nature*, 417, 138-139.
- Zorzi, M., Priftis, K., Meneghello, F., Marenzi, R., & Umiltà, C. (2006). The spatial representation of numerical and non-numerical sequences: evidence from neglect. *Neuropsychologia*, 44, 1061-1067.