

Marco Zorzi

List of Publications by Year in descending order

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Version: 2024-02-01

164
papers

9,452
citations

53794

45
h-index

43889

91
g-index

180
all docs

180
docs citations

180
times ranked

5547
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Developmental trajectory of number acuity reveals a severe impairment in developmental dyscalculia. <i>Cognition</i> , 2010, 116, 33-41. | 2.2 | 634 |
| 2 | Neglect disrupts the mental number line. <i>Nature</i> , 2002, 417, 138-139. | 27.8 | 607 |
| 3 | Nested incremental modeling in the development of computational theories: The CDP+ model of reading aloud.. <i>Psychological Review</i> , 2007, 114, 273-315. | 3.8 | 534 |
| 4 | Two routes or one in reading aloud? A connectionist dual-process model.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 1998, 24, 1131-1161. | 0.9 | 353 |
| 5 | Beyond single syllables: Large-scale modeling of reading aloud with the Connectionist Dual Process (CDP++) model. <i>Cognitive Psychology</i> , 2010, 61, 106-151. | 2.2 | 269 |
| 6 | Emergence of a 'visual number sense' in hierarchical generative models. <i>Nature Neuroscience</i> , 2012, 15, 194-196. | 14.8 | 268 |
| 7 | When time is space: Evidence for a mental time line. <i>Neuroscience and Biobehavioral Reviews</i> , 2012, 36, 2257-2273. | 6.1 | 265 |
| 8 | Are numbers special?. <i>Neuropsychologia</i> , 2005, 43, 1238-1248. | 1.6 | 250 |
| 9 | Extra-large letter spacing improves reading in dyslexia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 11455-11459. | 7.1 | 232 |
| 10 | Multisensory Spatial Attention Deficits Are Predictive of Phonological Decoding Skills in Developmental Dyslexia. <i>Journal of Cognitive Neuroscience</i> , 2010, 22, 1011-1025. | 2.3 | 231 |
| 11 | Numerical estimation in preschoolers.. <i>Developmental Psychology</i> , 2010, 46, 545-551. | 1.6 | 211 |
| 12 | The relationship between visuo-spatial attention and nonword reading in developmental dyslexia. <i>Cognitive Neuropsychology</i> , 2006, 23, 841-855. | 1.1 | 209 |
| 13 | The role of long-term-memory and short-term-memory links in the Simon effect.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2000, 26, 648-670. | 0.9 | 180 |
| 14 | A computational model of the Simon effect. <i>Psychological Research</i> , 1995, 58, 193-205. | 1.7 | 177 |
| 15 | Post-stroke deficit prediction from lesion and indirect structural and functional disconnection. <i>Brain</i> , 2020, 143, 2173-2188. | 7.6 | 166 |
| 16 | NORMAL AND IMPAIRED SPELLING IN A CONNECTIONIST DUAL-ROUTE ARCHITECTURE. <i>Cognitive Neuropsychology</i> , 2003, 20, 115-162. | 1.1 | 160 |
| 17 | The mental representation of numerical fractions: Real or integer?. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2007, 33, 1410-1419. | 0.9 | 159 |
| 18 | The spatial representation of numbers: evidence from neglect and pseudoneglect. <i>Experimental Brain Research</i> , 2009, 192, 561-569. | 1.5 | 146 |

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|----|--|-----|-----------|
| 19 | The spatial representation of numerical and non-numerical sequences: Evidence from neglect. <i>Neuropsychologia</i> , 2006, 44, 1061-1067. | 1.6 | 143 |
| 20 | Explicit versus Implicit Processing of Representational Space in Neglect: Dissociations in Accessing the Mental Number Line. <i>Journal of Cognitive Neuroscience</i> , 2006, 18, 680-688. | 2.3 | 132 |
| 21 | Modelling reading development through phonological decoding and self-teaching: implications for dyslexia. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2014, 369, 20120397. | 4.0 | 130 |
| 22 | Temporal order judgment reveals how number magnitude affects visuospatial attention. <i>Cognition</i> , 2007, 102, 101-117. | 2.2 | 122 |
| 23 | A new method based on ICBM152 head surface for probe placement in multichannel fNIRS. <i>NeuroImage</i> , 2011, 54, 919-927. | 4.2 | 95 |
| 24 | Number skills are maintained in healthy ageing. <i>Cognitive Psychology</i> , 2014, 69, 25-45. | 2.2 | 94 |
| 25 | The secret life of predictive brains: what's spontaneous activity for?. <i>Trends in Cognitive Sciences</i> , 2021, 25, 730-743. | 7.8 | 94 |
| 26 | Selective activation of the superior frontal gyrus in task-switching: An event-related fNIRS study. <i>NeuroImage</i> , 2008, 42, 945-955. | 4.2 | 91 |
| 27 | Visual spatial attention and speech segmentation are both impaired in preschoolers at familial risk for developmental dyslexia. <i>Dyslexia</i> , 2010, 16, 226-239. | 1.5 | 91 |
| 28 | Visuospatial priming of the mental number line. <i>Cognition</i> , 2008, 106, 770-779. | 2.2 | 90 |
| 29 | Cognition-Based Networks: A New Perspective on Network Optimization Using Learning and Distributed Intelligence. <i>IEEE Access</i> , 2015, 3, 1512-1530. | 4.2 | 90 |
| 30 | Do current connectionist learning models account for reading development in different languages?. <i>Cognition</i> , 2004, 91, 273-296. | 2.2 | 84 |
| 31 | Increased attentional demands impair contralesional space awareness following stroke. <i>Neuropsychologia</i> , 2010, 48, 3934-3940. | 1.6 | 83 |
| 32 | Storage and retrieval of addition facts: The role of number comparison. <i>Quarterly Journal of Experimental Psychology Section A: Human Experimental Psychology</i> , 2001, 54, 1005-1029. | 2.3 | 80 |
| 33 | A Comparison of Shallow and Deep Learning Methods for Predicting Cognitive Performance of Stroke Patients From MRI Lesion Images. <i>Frontiers in Neuroinformatics</i> , 2019, 13, 53. | 2.5 | 70 |
| 34 | Understanding Dyslexia Through Personalized Large-Scale Computational Models. <i>Psychological Science</i> , 2019, 30, 386-395. | 3.3 | 70 |
| 35 | Normal and Impaired Reflexive Orienting of Attention after Central Nonpredictive Cues. <i>Journal of Cognitive Neuroscience</i> , 2009, 21, 745-759. | 2.3 | 69 |
| 36 | Pure agnosia for mirror stimuli after right inferior parietal lesion. <i>Brain</i> , 2003, 126, 908-919. | 7.6 | 67 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Semantic Effects in Word Naming: Evidence from English and Japanese Kanji. Quarterly Journal of Experimental Psychology Section A: Human Experimental Psychology, 2003, 56, 263-286. | 2.3 | 65 |
| 38 | Neglect Impairs Explicit Processing of the Mental Number Line. Frontiers in Human Neuroscience, 2012, 6, 125. | 2.0 | 65 |
| 39 | Number-Space Interactions in the Human Parietal Cortex: Enlightening the SNARC Effect with Functional Near-Infrared Spectroscopy. Cerebral Cortex, 2014, 24, 444-451. | 2.9 | 64 |
| 40 | Distinct representations of numerical and non-numerical order in the human intraparietal sulcus revealed by multivariate pattern recognition. NeuroImage, 2011, 56, 674-680. | 4.2 | 57 |
| 41 | Deficits of contralesional awareness: A case study on what paper-and-pencil tests neglect.. Neuropsychology, 2012, 26, 20-36. | 1.3 | 57 |
| 42 | Warnings and caveats in brain controllability. NeuroImage, 2018, 176, 83-91. | 4.2 | 57 |
| 43 | Modeling language and cognition with deep unsupervised learning: a tutorial overview. Frontiers in Psychology, 2013, 4, 515. | 2.1 | 56 |
| 44 | Training numerical skills with the adaptive videogame "The Number Race": A randomized controlled trial on preschoolers. Trends in Neuroscience and Education, 2016, 5, 20-29. | 3.1 | 56 |
| 45 | Can Approximate Mental Calculation Account for Operational Momentum in Addition and Subtraction?. Quarterly Journal of Experimental Psychology, 2014, 67, 1541-1556. | 1.1 | 52 |
| 46 | Automatic spatial coding of perceived gaze direction is revealed by the Simon effect. Psychonomic Bulletin and Review, 2003, 10, 423-429. | 2.8 | 51 |
| 47 | A reference-channel based methodology to improve estimation of event-related hemodynamic response from fNIRS measurements. NeuroImage, 2013, 72, 106-119. | 4.2 | 48 |
| 48 | An emergentist perspective on the origin of number sense. Philosophical Transactions of the Royal Society B: Biological Sciences, 2018, 373, 20170043. | 4.0 | 48 |
| 49 | The Development of Spelling-Sound Relationships in a Model of Phonological Reading. Language and Cognitive Processes, 1998, 13, 337-371. | 2.2 | 46 |
| 50 | Modulation of hemispatial neglect by directional and numerical cues in the line bisection task. Neuropsychologia, 2008, 46, 426-433. | 1.6 | 46 |
| 51 | Multi-tasking uncovers right spatial neglect and extinction in chronic left-hemisphere stroke patients. Neuropsychologia, 2016, 92, 147-157. | 1.6 | 44 |
| 52 | Enumeration skills in Down syndrome. Research in Developmental Disabilities, 2013, 34, 3798-3806. | 2.2 | 43 |
| 53 | Cross-modal re-mapping influences the Simon effect. Memory and Cognition, 2002, 30, 18-23. | 1.6 | 42 |
| 54 | Are the neural correlates of subitizing and estimation dissociable? An fNIRS investigation. NeuroImage, 2014, 85, 391-399. | 4.2 | 42 |

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|----|---|------|-----------|
| 55 | Letter perception emerges from unsupervised deep learning and recycling of natural image features. <i>Nature Human Behaviour</i> , 2017, 1, 657-664. | 12.0 | 42 |
| 56 | Representation of numerical and non-numerical order in children. <i>Cognition</i> , 2012, 124, 304-313. | 2.2 | 41 |
| 57 | VOWELS IN THE BUFFER: A CASE STUDY OF ACQUIRED DYSGRAPHIA WITH SELECTIVE VOWEL SUBSTITUTIONS. <i>Cognitive Neuropsychology</i> , 2003, 20, 99-114. | 1.1 | 40 |
| 58 | Pupil dilation reveals top-down attentional load during spatial monitoring. <i>Biological Psychology</i> , 2015, 112, 39-45. | 2.2 | 39 |
| 59 | Priming the mental time line.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2012, 38, 838-842. | 0.9 | 38 |
| 60 | Paying Attention through Eye Movements: A Computational Investigation of the Premotor Theory of Spatial Attention. <i>Journal of Cognitive Neuroscience</i> , 2012, 24, 1519-1531. | 2.3 | 37 |
| 61 | Probabilistic Models and Generative Neural Networks: Towards an Unified Framework for Modeling Normal and Impaired Neurocognitive Functions. <i>Frontiers in Computational Neuroscience</i> , 2016, 10, 73. | 2.1 | 37 |
| 62 | Serial processing in reading aloud: No challenge for a parallel model.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2000, 26, 847-856. | 0.9 | 36 |
| 63 | A Computational and Empirical Investigation of Graphemes in Reading. <i>Cognitive Science</i> , 2013, 37, 800-828. | 1.7 | 36 |
| 64 | Consciousness does not seem to be linked to a single neural mechanism. <i>Behavioral and Brain Sciences</i> , 1995, 18, 701-702. | 0.7 | 35 |
| 65 | The connectionist dual process (CDP) approach to modelling reading aloud. <i>European Journal of Cognitive Psychology</i> , 2010, 22, 836-860. | 1.3 | 35 |
| 66 | Sparse DCM for whole-brain effective connectivity from resting-state fMRI data. <i>NeuroImage</i> , 2020, 208, 116367. | 4.2 | 35 |
| 67 | Response strategies and the Simon effect. <i>Psychological Research</i> , 2000, 63, 129-136. | 1.7 | 34 |
| 68 | A new adaptive videogame for training attention and executive functions: design principles and initial validation. <i>Frontiers in Psychology</i> , 2014, 5, 409. | 2.1 | 34 |
| 69 | Preschool children use space, rather than counting, to infer the numerical magnitude of digits: Evidence for a spatial mapping principle. <i>Cognition</i> , 2017, 158, 56-67. | 2.2 | 34 |
| 70 | Interactions between perceptual and numerical space. <i>Psychonomic Bulletin and Review</i> , 2011, 18, 722-728. | 2.8 | 33 |
| 71 | A machine learning approach to QoE-based video admission control and resource allocation in wireless systems. , 2014, , . | | 33 |
| 72 | Computer-based attention-demanding testing unveils severe neglect in apparently intact patients. <i>Behavioural Neurology</i> , 2013, 26, 179-81. | 2.1 | 33 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 73 | Learning to Read and Dyslexia: From Theory to Intervention Through Personalized Computational Models. <i>Current Directions in Psychological Science</i> , 2020, 29, 293-300. | 5.3 | 31 |
| 74 | Selective impairment for reading numbers and number words: a single case study. <i>Neuropsychologia</i> , 2004, 42, 997-1006. | 1.6 | 29 |
| 75 | Deep Unsupervised Learning on a Desktop PC: A Primer for Cognitive Scientists. <i>Frontiers in Psychology</i> , 2013, 4, 251. | 2.1 | 28 |
| 76 | Lost in number space after right brain damage: A neural signature of representational neglect. <i>Cortex</i> , 2008, 44, 449-453. | 2.4 | 27 |
| 77 | CDP++.Italian: Modelling Sublexical and Supralelexical Inconsistency in a Shallow Orthography. <i>PLoS ONE</i> , 2014, 9, e94291. | 2.5 | 27 |
| 78 | Larger, smaller, odd or even? Task-specific effects of optokinetic stimulation on the mental number space. <i>Journal of Cognitive Psychology</i> , 2015, 27, 459-470. | 0.9 | 27 |
| 79 | Optokinetic Stimulation Modulates Neglect for the Number Space: Evidence from Mental Number Interval Bisection. <i>Frontiers in Human Neuroscience</i> , 2012, 6, 23. | 2.0 | 26 |
| 80 | Probing the reaching-grasping network in humans through multivoxel pattern decoding. <i>Brain and Behavior</i> , 2015, 5, e00412. | 2.2 | 26 |
| 81 | Spontaneous non-verbal counting in toddlers. <i>Developmental Science</i> , 2016, 19, 329-337. | 2.4 | 26 |
| 82 | Voluntary eye movements direct attention on the mental number space. <i>Psychological Research</i> , 2016, 80, 389-398. | 1.7 | 26 |
| 83 | The effect of decreased interletter spacing on orthographic processing. <i>Psychonomic Bulletin and Review</i> , 2015, 22, 824-832. | 2.8 | 25 |
| 84 | Storage and retrieval of addition facts: The role of number comparison. <i>Quarterly Journal of Experimental Psychology Section A: Human Experimental Psychology</i> , 2001, 54, 1005-1029. | 2.3 | 25 |
| 85 | Varieties of quantity estimation in children.. <i>Developmental Psychology</i> , 2015, 51, 758-770. | 1.6 | 24 |
| 86 | Visual sense of number vs. sense of magnitude in humans and machines. <i>Scientific Reports</i> , 2020, 10, 10045. | 3.3 | 23 |
| 87 | Numerosity Estimation in Visual Stimuli in the Absence of Luminance-Based Cues. <i>PLoS ONE</i> , 2011, 6, e17378. | 2.5 | 22 |
| 88 | Recovery of neural dynamics criticality in personalized whole-brain models of stroke. <i>Nature Communications</i> , 2022, 13, . | 12.8 | 22 |
| 89 | Implicit versus explicit interference effects in a number-color synesthete. <i>Cortex</i> , 2010, 46, 170-177. | 2.4 | 21 |
| 90 | Deep generative learning of location-invariant visual word recognition. <i>Frontiers in Psychology</i> , 2013, 4, 635. | 2.1 | 21 |

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|-----|---|-----|-----------|
| 91 | When silent letters say more than a thousand words: An implementation and evaluation of CDP++ in French. <i>Journal of Memory and Language</i> , 2014, 72, 98-115. | 2.1 | 21 |
| 92 | Spatial constancy of attention across eye movements is mediated by the presence of visual objects. <i>Attention, Perception, and Psychophysics</i> , 2015, 77, 1159-1169. | 1.3 | 20 |
| 93 | Rules versus statistics in reading aloud: New evidence on an old debate. <i>European Journal of Cognitive Psychology</i> , 2010, 22, 798-812. | 1.3 | 19 |
| 94 | The role of numerosity in processing nonsymbolic proportions. <i>Quarterly Journal of Experimental Psychology</i> , 2012, 65, 2435-2446. | 1.1 | 19 |
| 95 | The Spatial Representation of Numerical and Non-Numerical Ordered Sequences: Insights from a Random Generation Task. <i>Quarterly Journal of Experimental Psychology</i> , 2013, 66, 2348-2362. | 1.1 | 19 |
| 96 | QoE Multi-Stage Machine Learning for Dynamic Video Streaming. <i>IEEE Transactions on Cognitive Communications and Networking</i> , 2018, 4, 146-161. | 7.9 | 19 |
| 97 | The Heterogeneity of Category-Specific Semantic Disorders: Evidence from a New Case. <i>Neurocase</i> , 2003, 9, 189-202. | 0.6 | 18 |
| 98 | Making Sense of Number Words and Arabic Digits: Does Order Count More?. <i>Child Development</i> , 2020, 91, 1456-1470. | 3.0 | 18 |
| 99 | A hemodynamic correlate of lateralized visual short-term memories. <i>Neuropsychologia</i> , 2011, 49, 1611-1621. | 1.6 | 17 |
| 100 | Numerical estimation in individuals with Down syndrome. <i>Research in Developmental Disabilities</i> , 2015, 36, 222-229. | 2.2 | 17 |
| 101 | Electrophysiological signatures of resting state networks predict cognitive deficits in stroke. <i>Cortex</i> , 2021, 138, 59-71. | 2.4 | 16 |
| 102 | The status of consonants and vowels in phonological assembly: Testing the two-cycles model with Italian. <i>European Journal of Cognitive Psychology</i> , 2003, 15, 405-433. | 1.3 | 15 |
| 103 | The Role of Semantic and Symbolic Representations in Arithmetic Processing: Insights from Simulated Dyscalculia in a Connectionist Model. <i>Cortex</i> , 2004, 40, 194-196. | 2.4 | 15 |
| 104 | Spatial attention in written word perception. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 42. | 2.0 | 15 |
| 105 | Spatial grounding of symbolic arithmetic: an investigation with optokinetic stimulation. <i>Psychological Research</i> , 2019, 83, 64-83. | 1.7 | 15 |
| 106 | A novel stroke lesion network mapping approach: improved accuracy yet still low deficit prediction. <i>Brain Communications</i> , 2021, 3, fcab259. | 3.3 | 15 |
| 107 | Commentary on Barber and O'Leary: Learning and attention in S-R compatibility. <i>Advances in Psychology</i> , 1997, , 173-178. | 0.1 | 14 |
| 108 | Learning Orthographic Structure With Sequential Generative Neural Networks. <i>Cognitive Science</i> , 2016, 40, 579-606. | 1.7 | 14 |

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|-----|---|-----|-----------|
| 109 | Modeling the Variability of Developmental Dyslexia. , 2019, , 350-371. | | 14 |
| 110 | Additive and interactive effects of stimulus degradation: No challenge for CDP+.. Journal of Experimental Psychology: Learning Memory and Cognition, 2009, 35, 306-311. | 0.9 | 13 |
| 111 | Through Neural Stimulation to Behavior Manipulation: A Novel Method for Analyzing Dynamical Cognitive Models. Cognitive Science, 2010, 34, 406-433. | 1.7 | 13 |
| 112 | Reply: Lesion network mapping: where do we go from here?. Brain, 2021, 144, e6-e6. | 7.6 | 13 |
| 113 | Reply: Lesion network mapping predicts post-stroke behavioural deficits and improves localization. Brain, 2021, 144, e36-e36. | 7.6 | 13 |
| 114 | Compositional semantics and the lemma dilemma. Behavioral and Brain Sciences, 1999, 22, 60-61. | 0.7 | 12 |
| 115 | Brain controllability: Not a slam dunk yet. NeuroImage, 2019, 200, 552-555. | 4.2 | 12 |
| 116 | Effects of Multimodal Load on Spatial Monitoring as Revealed by ERPs. PLoS ONE, 2015, 10, e0136719. | 2.5 | 12 |
| 117 | Training basic numerical skills in children with Down syndrome using the computerized game "The Number Race". Scientific Reports, 2021, 11, 2087. | 3.3 | 11 |
| 118 | Sensorimotor, Attentional, and Neuroanatomical Predictors of Upper Limb Motor Deficits and Rehabilitation Outcome after Stroke. Neural Plasticity, 2021, 2021, 1-12. | 2.2 | 11 |
| 119 | A comparison of feature extraction methods for prediction of neuropsychological scores from functional connectivity data of stroke patients. Brain Informatics, 2021, 8, 8. | 3.0 | 11 |
| 120 | Spatial and Verbal Routes to Number Comparison in Young Children. Frontiers in Psychology, 2018, 9, 776. | 2.1 | 9 |
| 121 | Augmented Reality as a research tool: investigating cognitive-motor dual-task during outdoor navigation. International Journal of Human Computer Studies, 2021, 152, 102644. | 5.6 | 9 |
| 122 | The role of phonology in the inflection of Italian verbs. Mental Lexicon, 2006, 1, 147-181. | 0.5 | 8 |
| 123 | Visuospatial planning in the travelling salesperson problem: A connectionist account of normal and impaired performance. Cognitive Neuropsychology, 2008, 25, 194-217. | 1.1 | 8 |
| 124 | THE ROLE OF DOPAMINE IN THE MAINTENANCE OF WORKING MEMORY IN PREFRONTAL CORTEX NEURONS: INPUT-DRIVEN VERSUS INTERNALLY-DRIVEN NETWORKS. International Journal of Neural Systems, 2010, 20, 249-265. | 5.2 | 8 |
| 125 | Space coding for sensorimotor transformations can emerge through unsupervised learning. Cognitive Processing, 2012, 13, 141-146. | 1.4 | 8 |
| 126 | Spatial and non-spatial aspects of neglect. Frontiers in Human Neuroscience, 2013, 7, 25. | 2.0 | 8 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 127 | Ipsilesional Impairments of Visual Awareness After Right-Hemispheric Stroke. <i>Frontiers in Psychology</i> , 2019, 10, 697. | 2.1 | 8 |
| 128 | Spatial order relates to the exact numerical magnitude of digits in young children. <i>Journal of Experimental Child Psychology</i> , 2019, 178, 385-404. | 1.4 | 8 |
| 129 | Parent-based training of basic number skills in children with Down syndrome using an adaptive computer game. <i>Research in Developmental Disabilities</i> , 2021, 112, 103919. | 2.2 | 8 |
| 130 | Visual exploration dynamics are low-dimensional and driven by intrinsic factors. <i>Communications Biology</i> , 2021, 4, 1100. | 4.4 | 8 |
| 131 | A common neural substrate for number comparison, hand reaching and grasping: A SDM-PSI meta-analysis of neuroimaging studies. <i>Cortex</i> , 2022, 148, 31-67. | 2.4 | 8 |
| 132 | Cortical plasticity of spatial stimulus-response associations: electrophysiological and behavioral evidence. <i>NeuroReport</i> , 2001, 12, 973-977. | 1.2 | 7 |
| 133 | Computational foundations of the visual number sense. <i>Behavioral and Brain Sciences</i> , 2017, 40, e191. | 0.7 | 7 |
| 134 | The Role of Architectural and Learning Constraints in Neural Network Models: A Case Study on Visual Space Coding. <i>Frontiers in Computational Neuroscience</i> , 2017, 11, 13. | 2.1 | 7 |
| 135 | Associative Arithmetic with Boltzmann Machines: The Role of Number Representations. <i>Lecture Notes in Computer Science</i> , 2002, , 277-283. | 1.3 | 7 |
| 136 | A methodology to improve estimation of stimulus-evoked hemodynamic response from fNIRS measurements. , 2011, 2011, 785-8. | | 6 |
| 137 | The interplay between spatial ordinal knowledge, linearity of number-space mapping, and arithmetic skills. <i>Cognitive Development</i> , 2020, 55, 100915. | 1.3 | 6 |
| 138 | Cognition-based networks: Applying cognitive science to multimedia wireless networking. , 2014, , . | | 5 |
| 139 | Category-Specific Deficits in a Self-Organizing Model of the Lexical-Semantic System. <i>Perspectives in Neural Computing</i> , 1999, , 137-148. | 0.1 | 5 |
| 140 | Contact points between lexical retrieval and sentence production. <i>Behavioral and Brain Sciences</i> , 1999, 22, 58-59. | 0.7 | 4 |
| 141 | Modeling gate-pitch scaling impact on stress-induced mobility and external resistance for 20nm-node MOSFETs. , 2010, , . | | 4 |
| 142 | COBANETS: A new paradigm for cognitive communications systems. , 2016, , . | | 4 |
| 143 | Mathematical abilities in Down syndrome. <i>International Review of Research in Developmental Disabilities</i> , 2019, 56, 257-291. | 0.8 | 4 |
| 144 | Poor numerical performance of guppies tested in a Skinner box. <i>Scientific Reports</i> , 2020, 10, 16724. | 3.3 | 4 |

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|-----|---|-----|-----------|
| 145 | Electrophysiological correlates of spatial processing during multitasking. <i>Neuropsychologia</i> , 2019, 133, 107152. | 1.6 | 3 |
| 146 | Extraordinary claims, extraordinary evidence? A discussion. <i>Learning and Behavior</i> , 2021, 49, 265-275. | 1.0 | 3 |
| 147 | Effects of attentional shifts along the vertical axis on number processing: An eye-tracking study with optokinetic stimulation. <i>Cognition</i> , 2022, 221, 104991. | 2.2 | 3 |
| 148 | Numerosity Representation in InfoGAN: An Empirical Study. <i>Lecture Notes in Computer Science</i> , 2019, , 49-60. | 1.3 | 2 |
| 149 | Effects of Orthographic Consistency on Bilingual Reading: Human and Computer Simulation Data. <i>Brain Sciences</i> , 2021, 11, 878. | 2.3 | 2 |
| 150 | Learning Numerosity Representations with Transformers: Number Generation Tasks and Out-of-Distribution Generalization. <i>Entropy</i> , 2021, 23, 857. | 2.2 | 2 |
| 151 | A Systematic Assessment of Feature Extraction Methods for Robust Prediction of Neuropsychological Scores from Functional Connectivity Data. <i>Lecture Notes in Computer Science</i> , 2020, , 29-40. | 1.3 | 2 |
| 152 | Electrophysiological Signatures of Numerosity Encoding in a Delayed Match-to-Sample Task. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 750582. | 2.0 | 2 |
| 153 | Influences of hand action on the processing of symbolic numbers: A special role of pointing?. <i>PLoS ONE</i> , 2022, 17, e0269557. | 2.5 | 2 |
| 154 | Heterogeneity is a Fact of Category-Specific Semantic Deficits. An Issue Worth Considering. Comments on Bradford Z. Mahon and Alfonso Caramazza (2003). <i>Neurocase</i> , 2004, 10, 84-86. | 0.6 | 1 |
| 155 | A Re-analysis of a Case of Category-Specific Semantic Impairment. <i>Cortex</i> , 2005, 41, 865-866. | 2.4 | 1 |
| 156 | Difficulty matters: Unspecific attentional demands as a major determinant of performance highlighted by clinical studies. <i>Behavioral and Brain Sciences</i> , 2013, 36, 680-681. | 0.7 | 1 |
| 157 | Bilingualism advantage in handwritten character recognition: A deep learning investigation on Persian and Latin scripts. , 2017, , . | | 1 |
| 158 | A momentum effect in temporal arithmetic. <i>Cognition</i> , 2021, 206, 104488. | 2.2 | 1 |
| 159 | Priming in neglect is problematic for linking consciousness to stability. <i>Behavioral and Brain Sciences</i> , 1999, 22, 174-175. | 0.7 | 0 |
| 160 | Dissociation between regular and irregular in connectionist architectures: Two processes, but still no special linguistic rules. <i>Behavioral and Brain Sciences</i> , 1999, 22, 1045-1046. | 0.7 | 0 |
| 161 | Reply to Skottun and Skoyles: Statistical and practical significance of extra-wide letter spacing for dyslexic children. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, E2959-E2959. | 7.1 | 0 |
| 162 | Searching for Emergent Representations in Evolved Dynamical Systems. <i>Lecture Notes in Computer Science</i> , 2006, , 522-533. | 1.3 | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 163 | A Connectionist Model of Simple Mental Arithmetic. , 2019, , 313-318. | | 0 |
| 164 | Long-Term Prediction of Physical Interactions: A Challenge for Deep Generative Models. Lecture Notes in Computer Science, 2020, , 83-94. | 1.3 | 0 |