Stephan E Vogel

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8440452/publications.pdf

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38 papers	1,076 citations	471509 17 h-index	414414 32 g-index
45 all docs	45 docs citations	45 times ranked	824 citing authors

#	Article	IF	Citations
1	Numerical and non-numerical ordinality processing in children with and without developmental dyscalculia: Evidence from fMRI. Cognitive Development, 2009, 24, 486-494.	1.3	117
2	A developmental fMRI study of nonsymbolic numerical and spatial processing. Cortex, 2008, 44, 376-385.	2.4	116
3	Developmental dyscalculia: Compensatory mechanisms in left intraparietal regions in response to nonsymbolic magnitudes. Behavioral and Brain Functions, 2009, 5, 35.	3.3	75
4	Semantic and Perceptual Processing of Number Symbols: Evidence from a Cross-linguistic fMRI Adaptation Study. Journal of Cognitive Neuroscience, 2013, 25, 388-400.	2.3	67
5	Developmental specialization of the left parietal cortex for the semantic representation of Arabic numerals: An fMR-adaptation study. Developmental Cognitive Neuroscience, 2015, 12, 61-73.	4.0	67
6	An fMRI study of the numerical Stroop task in individuals with and without minimal cognitive impairment. Cortex, 2008, 44, 1248-1255.	2.4	61
7	Asymmetric Processing of Numerical and Nonnumerical Magnitudes in the Brain: An fMRI Study. Journal of Cognitive Neuroscience, 2016, 28, 166-176.	2.3	54
8	On the ordinality of numbers. Progress in Brain Research, 2016, 227, 187-221.	1.4	53
9	Differential processing of symbolic numerical magnitude and order in first-grade children. Journal of Experimental Child Psychology, 2015, 129, 26-39.	1.4	51
10	Overlapping and distinct brain regions involved in estimating the spatial position of numerical and non-numerical magnitudes: An fMRI study. Neuropsychologia, 2013, 51, 979-989.	1.6	44
11	Math anxiety, intelligence, and performance in mathematics: Insights from the German adaptation of the Abbreviated Math Anxiety Scale (AMAS-G). Learning and Individual Differences, 2018, 61, 109-119.	2.7	42
12	Processing the order of symbolic numbers: A reliable and unique predictor of arithmetic fluency. Journal of Numerical Cognition, 2017, 3, 288-308.	1.2	36
13	The left intraparietal sulcus adapts to symbolic number in both the visual and auditory modalities: Evidence from fMRI. NeuroImage, 2017, 153, 16-27.	4.2	28
14	Automatic and intentional processing of numerical order and its relationship to arithmetic performance. Acta Psychologica, 2019, 193, 30-41.	1.5	24
15	Interference and problem size effect in multiplication fact solving: Individual differences in brain activations and arithmetic performance. NeuroImage, 2018, 172, 718-727.	4.2	22
16	The semantic control network mediates the relationship between symbolic numerical order processing and arithmetic performance in children. Neuropsychologia, 2020, 141, 107405.	1.6	19
17	Developmental brain dynamics of numerical and arithmetic abilities. Npj Science of Learning, 2021, 6, 22.	2.8	19
18	The effect of visual parameters on neural activation during nonsymbolic number comparison and its relation to math competency. NeuroImage, 2017, 159, 430-442.	4.2	18

#	Article	IF	Citations
19	Believing in Neuromyths Makes Neither a Bad Nor Good Studentâ€Teacher: The Relationship between Neuromyths and Academic Achievement in Teacher Education. Mind, Brain, and Education, 2021, 15, 54-60.	1.9	15
20	Revisiting the Role of Worries in Explaining the Link Between Test Anxiety and Test Performance. Educational Psychology Review, 2021, 33, 1887-1906.	8.4	14
21	Interference during the retrieval of arithmetic and lexico-semantic knowledge modulates similar brain regions: Evidence from functional magnetic resonance imaging (fMRI). Cortex, 2019, 120, 375-393.	2.4	13
22	A comes before B, like 1 comes before 2. Is the parietal cortex sensitive to ordinal relationships in both numbers and letters? An fMRIâ€adaptation study. Human Brain Mapping, 2020, 41, 1591-1610.	3.6	10
23	Mathematical Creativity in Adults: Its Measurement and Its Relation to Intelligence, Mathematical Competence and General Creativity. Journal of Intelligence, 2021, 9, 10.	2.5	10
24	The neural correlates of health risk perception in individuals with low and high numeracy. ZDM - International Journal on Mathematics Education, 2016, 48, 337-350.	2.2	9
25	Fact retrieval or compacted counting in arithmeticâ€"A neurophysiological investigation of two hypotheses.. Journal of Experimental Psychology: Learning Memory and Cognition, 2022, 48, 199-212.	0.9	8
26	Quantitative and Qualitative Differences in the Canonical and the Reverse Distance Effect and Their Selective Association With Arithmetic and Mathematical Competencies. Frontiers in Education, 2021, 6, .	2.1	8
27	Common and distinct predictors of non-symbolic and symbolic ordinal number processing across the early primary school years. PLoS ONE, 2021, 16, e0258847.	2.5	6
28	The neural substrates of the problem size and interference effect in childrenâ€™s multiplication: An fMRI study. Brain Research, 2019, 1714, 147-157.	2.2	5
29	Associations Between Individual Differences in Mathematical Competencies and Surface Anatomy of the Adult Brain. Frontiers in Human Neuroscience, 2020, 14, 116.	2.0	5
30	Interference between naÃ¯ve and scientific theories occurs in mathematics and is related to mathematical achievement. Cognition, 2021, 214, 104789.	2.2	5
31	Theta Band Transcranial Alternating Current Stimulation Enhances Arithmetic Learning: A Systematic Comparison of Different Direct and Alternating Current Stimulations. Neuroscience, 2021, 477, 89-105.	2.3	5
32	Early neurocognitive development of dyscalculia. , 2021, , 359-382.		4
33	Oscillatory electroencephalographic patterns of arithmetic problem solving in fourth graders. Scientific Reports, 2021, 11, 23278.	3.3	4
34	Facets of the Mathematical Brainâ€"From Number Processing to Mathematical Problem Solving. Mind, Brain, and Education, 2015, 9, 187-189.	1.9	3
35	Can the interference effect in multiplication fact retrieval be modulated by an arithmetic training? An fMRI study. Neuropsychologia, 2021, 157, 107849.	1.6	1
36	How Much Is 2 Ã— 4? Understanding How the Brain Solves Arithmetic Problems. Frontiers for Young Minds, 0, 8, .	0.8	1

#	Article	IF	Citations
37	Cognitive Neuroscience of Numerical Cognition. , 2013, , .		0
38	Corrigendum to â€œOverlapping and distinct brain regions involved in estimating the spatial position of numerical and non-numerical magnitudes: An fMRI studyâ€•[Neuropsychologia 51 (2013) 979â€“989]. Neuropsychologia, 2017, 94, 139.	1.6	0