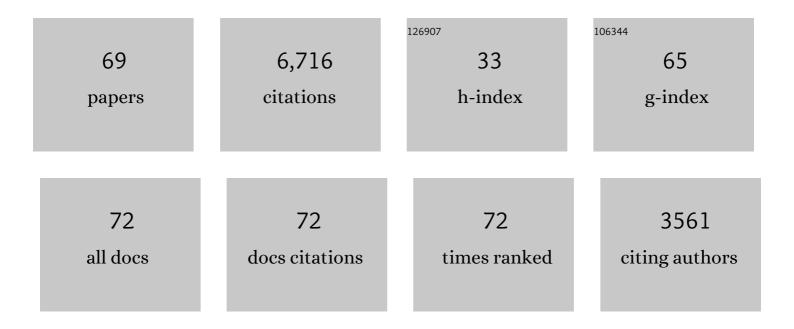
Brian Butterworth

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Numerical activities of daily living: a short version. Neurological Sciences, 2022, 43, 967-978.	1.9	5
2	Characterizing ontogeny of quantity discrimination in zebrafish. Proceedings of the Royal Society B: Biological Sciences, 2022, 289, 20212544.	2.6	9
3	Arithmetic learning modifies the functional connectivity of the fronto-parietal network. Cortex, 2019, 111, 51-62.	2.4	11
4	Low Numeracy: From Brain to Education. New ICMI Study Series, 2018, , 477-488.	1.0	1
5	Introduction: The origins of numerical abilities. Philosophical Transactions of the Royal Society B: Biological Sciences, 2018, 373, 20160507.	4.0	25
6	The implications for education of an innate numerosity-processing mechanism. Philosophical Transactions of the Royal Society B: Biological Sciences, 2018, 373, 20170118.	4.0	14
7	Special Needs in Research and Instruction in Whole Number Arithmetic. New ICMI Study Series, 2018, , 375-397.	1.0	3
8	The influence of memory updating and number sense on junior high school math attainment. Learning and Individual Differences, 2017, 54, 30-40.	2.7	5
9	Numerical Activities and Information Learned at Home Link to the Exact Numeracy Skills in 5–6 Years-Old Children. Frontiers in Psychology, 2016, 7, 94.	2.1	43
10	The principles and practices of educational neuroscience: Comment on Bowers (2016) Psychological Review, 2016, 123, 620-627.	3.8	110
11	Zero in the brain: A voxel-based lesion–symptom mapping study in right hemisphere damaged patients. Cortex, 2016, 77, 38-53.	2.4	18
12	A Visit with Oscar and Clara Marin. Cognitive and Behavioral Neurology, 2015, 28, 138-139.	0.9	0
13	Longitudinal changes in young childrenââ,¬â,,¢s 0ââ,¬â€œ100 to 0ââ,¬â€œ1000 number-line error signature Frontiers in Psychology, 2015, 6, 647.	28.1	16
14	Ratio dependence in small number discrimination is affected by the experimental procedure. Frontiers in Psychology, 2015, 6, 1649.	2.1	12
15	Anatomical substrates and neurocognitive predictors of daily numerical abilities in mild cognitive impairment. Cortex, 2015, 71, 58-67.	2.4	28
16	A new clinical tool for assessing numerical abilities in neurological diseases: numerical activities of daily living. Frontiers in Aging Neuroscience, 2014, 6, 112.	3.4	34
17	Commonalities for Numerical and Continuous Quantity Skills at Temporo-parietal Junction. Journal of Cognitive Neuroscience, 2014, 26, 986-999.	2.3	26
18	Impaired Numerical Ability Affects Supra-Second TimeÂEstimation. Timing and Time Perception, 2014, 2, 169-187.	0.6	11

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#	Article	IF	CITATIONS
19	Collective enhancement of numerical acuity by meritocratic leadership in fish. Scientific Reports, 2014, 4, 4560.	3.3	21
20	Sensitivity to numerosity is not a unique visuospatial psychophysical predictor of mathematical ability. Vision Research, 2013, 89, 1-9.	1.4	41
21	Developmental trajectories of grey and white matter in dyscalculia. Trends in Neuroscience and Education, 2013, 2, 56-64.	3.1	39
22	Understanding Neurocognitive Developmental Disorders Can Improve Education for All. Science, 2013, 340, 300-305.	12.6	136
23	Collective enumeration Journal of Experimental Psychology: Human Perception and Performance, 2013, 39, 338-347.	0.9	13
24	Stability and change in markers of core numerical competencies Journal of Experimental Psychology: General, 2012, 141, 649-666.	2.1	94
25	Basic numerical capacities and prevalence of developmental dyscalculia: The Havana Survey Developmental Psychology, 2012, 48, 123-135.	1.6	131
26	Numeracy skills in patients with degenerative disorders and focal brain lesions: A neuropsychological investigation Neuropsychology, 2012, 26, 1-19.	1.3	43
27	Commentary on "How Can Syntax Support Number Word Acquisition?―by Kristen Syrett, Julien Musolino, and Rochel Gelman. Language Learning and Development, 2012, 8, 186-189.	1.4	1
28	The role of numerosity in processing nonsymbolic proportions. Quarterly Journal of Experimental Psychology, 2012, 65, 2435-2446.	1.1	19
29	Evidence for Two Numerical Systems That Are Similar in Humans and Guppies. PLoS ONE, 2012, 7, e31923.	2.5	157
30	Dyscalculia: From Brain to Education. Science, 2011, 332, 1049-1053.	12.6	549
31	Contribution of frontal cortex to the spatial representation of number. Cortex, 2011, 47, 2-13.	2.4	48
32	Updating Working Memory and arithmetical attainment in school. Learning and Individual Differences, 2011, 21, 655-661.	2.7	34
33	Specialization in the Human Brain: The Case of Numbers. Frontiers in Human Neuroscience, 2011, 5, 62.	2.0	51
34	Foundational Numerical Capacities and the Origins of Dyscalculia. , 2011, , 249-265.		20
35	Neural basis of mathematical cognition. Current Biology, 2011, 21, R618-R621.	3.9	54
36	A Candidate for the Attentional Bottleneck: Set-size Specific Modulation of the Right TPJ during Attentive Enumeration. Journal of Cognitive Neuroscience, 2011, 23, 728-736.	2.3	61

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#	Article	IF	CITATIONS
37	Using Mental Representations of Space When Words Are Unavailable: Studies of Enumeration and Arithmetic in Indigenous Australia. Journal of Cross-Cultural Psychology, 2011, 42, 630-638.	1.6	36
38	Low numeracy and dyscalculia: identification and intervention. ZDM - International Journal on Mathematics Education, 2010, 42, 527-539.	2.2	80
39	Foundational numerical capacities and the origins of dyscalculia. Trends in Cognitive Sciences, 2010, 14, 534-541.	7.8	294
40	Core information processing deficits in developmental dyscalculia and low numeracy. Developmental Science, 2008, 11, 669-680.	2.4	203
41	Numerosity Perception: How Many Speckles on the Hen?. Current Biology, 2008, 18, R388-R389.	3.9	13
42	Verbal Counting and Spatial Strategies in Numerical Tasks: Evidence from Indigenous Australia. Philosophical Psychology, 2008, 21, 443-457.	0.9	23
43	Numerical thought with and without words: Evidence from indigenous Australian children. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 13179-13184.	7.1	113
44	Modulating Attentional Load Affects Numerosity Estimation: Evidence against a Pre-Attentive Subitizing Mechanism. PLoS ONE, 2008, 3, e3269.	2.5	93
45	Why frequencies are natural. Behavioral and Brain Sciences, 2007, 30, 259-260.	0.7	7
46	Mathematical Expertise. , 2006, , 553-568.		20
47	Exact and approximate judgements of visual and auditory numerosity: An fMRI study. Brain Research, 2006, 1106, 177-188.	2.2	248
48	The Understanding of Quantifiers in Semantic Dementia: A Single-Case Study. Neurocase, 2006, 12, 136-145.	0.6	28
49	Discrete and analogue quantity processing in the parietal lobe: A functional MRI study. Proceedings of the United States of America, 2006, 103, 4693-4698.	7.1	268
50	æ•°å¦èf½åŠ›ã®ç™ºéਔãf»æ•™è,²ãf»é€²åŒ—. The Proceedings of the Annual Convention of the Japanese Psych S20-S20.	nological A	ssociation, 20
51	The development of arithmetical abilities. Journal of Child Psychology and Psychiatry and Allied Disciplines, 2005, 46, 3-18.	5.2	515
52	Dexterity with numbers: rTMS over left angular gyrus disrupts finger gnosis and number processing. Neuropsychologia, 2005, 43, 1609-1624.	1.6	221
53	Dissociations in numerical abilities revealed by progressive cognitive decline in a patient with semantic dementia. Cognitive Neuropsychology, 2005, 22, 771-793.	1.1	51
54	Number and language: how are they related?. Trends in Cognitive Sciences, 2005, 9, 6-10.	7.8	330

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#	Article	IF	CITATIONS
55	Developmental dyscalculia and basic numerical capacities: a study of 8–9-year-old students. Cognition, 2004, 93, 99-125.	2.2	750
56	Why semantic dementia drives you to the dogs (but not to the horses): A theoretical account. Cognitive Neuropsychology, 2002, 19, 483-503.	1.1	28
57	Are Subitizing and Counting Implemented as Separate or Functionally Overlapping Processes?. NeuroImage, 2002, 15, 435-446.	4.2	293
58	What makes a prodigy?. Nature Neuroscience, 2001, 4, 11-12.	14.8	18
59	Category specificity in reading and writing: the case of number words. Nature Neuroscience, 2001, 4, 784-786.	14.8	62
60	Spared numerical abilities in a case of semantic dementia. Neuropsychologia, 2001, 39, 1224-1239.	1.6	166
61	Storage and retrieval of addition facts: The role of number comparison. Quarterly Journal of Experimental Psychology Section A: Human Experimental Psychology, 2001, 54, 1005-1029.	2.3	80
62	Storage and retrieval of addition facts: The role of number comparison. Quarterly Journal of Experimental Psychology Section A: Human Experimental Psychology, 2001, 54, 1005-1029.	2.3	25
63	Statistics: What Seems Natural?. Science, 2001, 292, 853c-855.	12.6	10
64	Two routes or one in reading aloud? A connectionist dual-process model Journal of Experimental Psychology: Human Perception and Performance, 1998, 24, 1131-1161.	0.9	353
65	Short term Memory Impairment and Arithmetical Ability. Quarterly Journal of Experimental Psychology Section A: Human Experimental Psychology, 1996, 49, 251-262.	2.3	44
66	Short term Memory Impairment and Arithmetical Ability. Quarterly Journal of Experimental Psychology Section A: Human Experimental Psychology, 1996, 49, 251-262.	2.3	19
67	Toward a multiroute model of number processing: Impaired number transcoding with preserved calculation skills Journal of Experimental Psychology: General, 1995, 124, 375-390.	2.1	193
68	A SPECIFIC DEFICIT FOR NUMBERS IN A CASE OF DENSE ACALCULIA. Brain, 1991, 114, 2619-2637.	7.6	242
69	Mathematical Expertise. , 0, , 616-633.		2