

Mauro Pesenti

List of Publications by Year in descending order

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67
papers

4,009
citations

117625

34
h-index

118850

62
g-index

68
all docs

68
docs citations

68
times ranked

2220
citing authors

#	ARTICLE	IF	CITATIONS
1	Neuroanatomical Substrates of Arabic Number Processing, Numerical Comparison, and Simple Addition: A PET Study. <i>Journal of Cognitive Neuroscience</i> , 2000, 12, 461-479.	2.3	384
2	Neural Correlates of Simple and Complex Mental Calculation. <i>NeuroImage</i> , 2001, 13, 314-327.	4.2	370
3	Numerosity-duration interference: A Stroop experiment. <i>Acta Psychologica</i> , 2006, 121, 109-124.	1.5	205
4	Images of numbers, or “when 98 is upper left and 6 sky blue”. <i>Cognition</i> , 1992, 44, 159-196.	2.2	180
5	Creating number semantics through finger movement perception. <i>Cognition</i> , 2010, 115, 46-53.	2.2	171
6	Mental calculation in a prodigy is sustained by right prefrontal and medial temporal areas. <i>Nature Neuroscience</i> , 2001, 4, 103-107.	14.8	166
7	Finger “digit compatibility in Arabic numeral processing. <i>Quarterly Journal of Experimental Psychology</i> , 2006, 59, 1648-1663.	1.1	162
8	Masked priming effect with canonical finger numeral configurations. <i>Experimental Brain Research</i> , 2008, 185, 27-39.	1.5	141
9	Selective Impairment as Evidence for Mental Organisation of Arithmetical Facts: BB, A Case of Preserved Subtraction?. <i>Cortex</i> , 1994, 30, 661-671.	2.4	117
10	Dissociation of numerosity and duration processing in the left intraparietal sulcus: A transcranial magnetic stimulation study. <i>Cortex</i> , 2008, 44, 462-469.	2.4	102
11	Finger counting: The missing tool?. <i>Behavioral and Brain Sciences</i> , 2008, 31, 642-643.	0.7	95
12	Common substrate for mental arithmetic and finger representation in the parietal cortex. <i>NeuroImage</i> , 2012, 62, 1520-1528.	4.2	94
13	Number magnitude and grip aperture interaction. <i>NeuroReport</i> , 2004, 15, 2773-7.	1.2	94
14	Cross-modal interactions between human faces and voices involved in person recognition. <i>Cortex</i> , 2011, 47, 367-376.	2.4	93
15	A common right fronto-parietal network for numerosity and duration processing: An fMRI study. <i>Human Brain Mapping</i> , 2012, 33, 1490-1501.	3.6	93
16	Role of distinct parietal areas in arithmetic: An fMRI-guided TMS study. <i>NeuroImage</i> , 2011, 54, 3048-3056.	4.2	91
17	Contribution of the right intraparietal sulcus to numerosity and length processing: An fMRI-guided TMS study. <i>Cortex</i> , 2012, 48, 623-629.	2.4	82
18	Number magnitude potentiates action judgements. <i>Experimental Brain Research</i> , 2007, 180, 525-534.	1.5	76

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19	Attentional Bias Induced by Solving Simple and Complex Addition and Subtraction Problems. <i>Quarterly Journal of Experimental Psychology</i> , 2014, 67, 1514-1526.	1.1	76
20	Finger Numeral Representations: More than Just Another Symbolic Code. <i>Frontiers in Psychology</i> , 2011, 2, 272.	2.1	72
21	Common and specific contributions of the intraparietal sulci to numerosity and length processing. <i>Human Brain Mapping</i> , 2009, 30, 2466-2476.	3.6	70
22	Number generation bias after action observation. <i>Experimental Brain Research</i> , 2012, 221, 43-49.	1.5	65
23	Task-independent semantic activation for numbers and animals. <i>Cognitive Brain Research</i> , 2005, 24, 284-290.	3.0	58
24	Response-effect compatibility of finger numeral configurations in arithmetical context. <i>Quarterly Journal of Experimental Psychology</i> , 2010, 63, 16-22.	1.1	50
25	Numerosity-Length Interference. <i>Experimental Psychology</i> , 2007, 54, 289-297.	0.7	48
26	Processing numerosity, length and duration in a three-dimensional Stroop-like task: towards a gradient of processing automaticity?. <i>Psychological Research</i> , 2013, 77, 116-127.	1.7	46
27	Age-Related Differences in Random Generation. <i>Brain and Cognition</i> , 1998, 38, 1-16.	1.8	45
28	Let us redeploy attention to sensorimotor experience. <i>Behavioral and Brain Sciences</i> , 2010, 33, 283-284.	0.7	45
29	Selective Interference of Finger Movements on Basic Addition and Subtraction Problem Solving. <i>Experimental Psychology</i> , 2013, 60, 197-205.	0.7	41
30	Mode-dependent and mode-independent representations of numerosity in the right intraparietal sulcus. <i>NeuroImage</i> , 2010, 52, 1677-1686.	4.2	40
31	The neural network sustaining crossmodal integration is impaired in alcohol-dependence: An fMRI study. <i>Cortex</i> , 2013, 49, 1610-1626.	2.4	40
32	Place and summation coding for canonical and non-canonical finger numeral representations. <i>Cognition</i> , 2010, 117, 95-100.	2.2	38
33	Causal role of spatial attention in arithmetic problem solving: Evidence from left unilateral neglect. <i>Neuropsychologia</i> , 2014, 60, 1-9.	1.6	38
34	Finger-Number Interaction. <i>Experimental Psychology</i> , 2011, 58, 287-292.	0.7	35
35	Influence of Gaze Observation on Random Number Generation. <i>Experimental Psychology</i> , 2013, 60, 122-130.	0.7	34
36	Basic and Exceptional Calculation Abilities in a Calculating Prodigy: A Case Study. <i>Mathematical Cognition</i> , 1999, 5, 97-148.	0.4	27

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37	Time course of overt attentional shifts in mental arithmetic: Evidence from gaze metrics. <i>Quarterly Journal of Experimental Psychology</i> , 2018, 71, 1009-1019.	1.1	27
38	Noncommutability of The N + 0 Arithmetical Rule: A Case Study of Dissociated Impairment. <i>Cortex</i> , 2000, 36, 445-454.	2.4	25
39	The Number Sense Theory Needs More Empirical Evidence. <i>Mind and Language</i> , 2001, 16, 76-88.	2.3	25
40	Interference of lateralized distractors on arithmetic problem solving: a functional role for attention shifts in mental calculation. <i>Psychological Research</i> , 2016, 80, 640-651.	1.7	25
41	The neural origin of the priming distance effect: Distance-dependent recovery of parietal activation using symbolic magnitudes. <i>Human Brain Mapping</i> , 2010, 31, 669-677.	3.6	22
42	Dissociation between numerosity and duration processing in aging and early Parkinson's disease. <i>Neuropsychologia</i> , 2012, 50, 2365-2370.	1.6	21
43	Shifts of spatial attention underlie numerical comparison and mental arithmetic: Evidence from a patient with right unilateral neglect. <i>Neuropsychology</i> , 2017, 31, 822-833.	1.3	19
44	Developmental Dyscalculia in Adults: Beyond Numerical Magnitude Impairment. <i>Journal of Learning Disabilities</i> , 2018, 51, 600-611.	2.2	19
45	Spatial bias in symbolic and non-symbolic numerical comparison in neglect. <i>Neuropsychologia</i> , 2013, 51, 1925-1932.	1.6	18
46	Evidence for the embodiment of space perception: concurrent hand but not arm action moderates reachability and egocentric distance perception. <i>Frontiers in Psychology</i> , 2015, 6, 862.	2.1	15
47	Duration and numerical estimation in right brain-damaged patients with and without neglect: Lack of support for a mental time line. <i>British Journal of Psychology</i> , 2016, 107, 467-483.	2.3	15
48	Impact of optokinetic stimulation on mental arithmetic. <i>Psychological Research</i> , 2017, 81, 840-849.	1.7	15
49	A common metric magnitude system for the perception and production of numerosity, length, and duration. <i>Frontiers in Psychology</i> , 2013, 4, 449.	2.1	14
50	Absence of Low-Level Visual Difference Between Canonical and Noncanonical Finger-Numerical Configurations. <i>Experimental Psychology</i> , 2010, 57, 202-207.	0.7	14
51	Number Processing and Calculation in A Case of Visual Agnosia. <i>Cortex</i> , 2000, 36, 377-400.	2.4	13
52	Neural correlates of the numerical distance effect in children. <i>Frontiers in Psychology</i> , 2013, 4, 663.	2.1	13
53	Influence of biological kinematics on abstract concept processing. <i>Quarterly Journal of Experimental Psychology</i> , 2015, 68, 608-618.	1.1	13
54	Enhancing duration processing with parietal brain stimulation. <i>Neuropsychologia</i> , 2016, 85, 272-277.	1.6	12

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55	Numbers reorient visuo-spatial attention during cancellation tasks. <i>Experimental Brain Research</i> , 2013, 225, 549-557.	1.5	11
56	Influence of finger and mouth action observation on random number generation: an instance of embodied cognition for abstract concepts. <i>Psychological Research</i> , 2017, 81, 538-548.	1.7	10
57	Effect of perceived length on numerosity estimation: Evidence from the Müller-Lyer illusion. <i>Quarterly Journal of Experimental Psychology</i> , 2018, 71, 2142-2151.	1.1	10
58	Spatial biases in mental arithmetic are independent of reading/writing habits: Evidence from French and Arabic speakers. <i>Cognition</i> , 2020, 200, 104262.	2.2	10
59	Time perception is not for the faint-hearted? Physiological arousal does not influence duration categorisation. <i>Cognitive Processing</i> , 2018, 19, 399-409.	1.4	9
60	Exogenous covert shift of attention without the ability to plan eye movements. <i>Current Biology</i> , 2020, 30, R1032-R1033.	3.9	9
61	Semantic associations between arithmetic and space: Evidence from temporal order judgements. <i>Memory and Cognition</i> , 2020, 48, 361-369.	1.6	8
62	Common mistakes about numerical representations. <i>Behavioral and Brain Sciences</i> , 2009, 32, 346-347.	0.7	6
63	Visual illusions modify object size estimates for prospective action judgements. <i>Neuropsychologia</i> , 2018, 117, 211-221.	1.6	6
64	Role of the fronto-parietal cortex in prospective action judgments. <i>Scientific Reports</i> , 2021, 11, 7454.	3.3	5
65	Shifting attention in visuospatial short-term memory does not require oculomotor planning: Insight from congenital gaze paralysis. <i>Neuropsychologia</i> , 2021, 161, 107998.	1.6	2
66	Selective interference of hand posture with grasping capability estimation. <i>Experimental Brain Research</i> , 2021, , 1.	1.5	2
67	A functional role for oculomotor preparation in mental arithmetic evidenced by the abducted eye paradigm. <i>Psychological Research</i> , 0, , .	1.7	0