

# Manuela Piazza

## List of Publications by Year in descending order

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56  
papers

9,698  
citations

159525

30  
h-index

182361

51  
g-index

63  
all docs

63  
docs citations

63  
times ranked

4595  
citing authors

#	ARTICLE	IF	CITATIONS
1	The hippocampalâ€entorhinal system represents nested hierarchical relations between words during concept learning. <i>Hippocampus</i> , 2021, 31, 557-568.	0.9	5
2	Grid-like and distance codes for representing word meaning in the human brain. <i>NeuroImage</i> , 2021, 232, 117876.	2.1	24
3	Symbolic categorization of novel multisensory stimuli in the human brain. <i>NeuroImage</i> , 2021, 235, 118016.	2.1	13
4	Testing the role of symbols in preschool numeracy: An experimental computer-based intervention study. <i>PLoS ONE</i> , 2021, 16, e0259775.	1.1	4
5	Resources Underlying Visuo-Spatial Working Memory Enable Veridical Large Numerosity Perception. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 751098.	1.0	1
6	The neural representation of absolute direction during mental navigation in conceptual spaces. <i>Communications Biology</i> , 2021, 4, 1294.	2.0	4
7	Individual Brain Charting dataset extension, second release of high-resolution fMRI data for cognitive mapping. <i>Scientific Data</i> , 2020, 7, 353.	2.4	21
8	Learning disabilities: Developmental dyscalculia. <i>Handbook of Clinical Neurology</i> / Edited By P J Vinken and G W Bruyn, 2020, 174, 61-75.	1.0	13
9	Excessive visual crowding effects in developmental dyscalculia. <i>Journal of Vision</i> , 2020, 20, 7.	0.1	6
10	Infantsâ€™ use of motion cues in object individuation processes. <i>Journal of Experimental Child Psychology</i> , 2020, 197, 104868.	0.7	8
11	Distance and Direction Codes Underlie Navigation of a Novel Semantic Space in the Human Brain. <i>Journal of Neuroscience</i> , 2020, 40, 2727-2736.	1.7	54
12	Impaired large numerosity estimation and intact subitizing in developmental dyscalculia. <i>PLoS ONE</i> , 2020, 15, e0244578.	1.1	18
13	Decoding the processing stages of mental arithmetic with magnetoencephalography. <i>Cortex</i> , 2019, 114, 124-139.	1.1	23
14	Processing number and length in the parietal cortex: Sharing resources, not a common code. <i>Cortex</i> , 2019, 114, 17-27.	1.1	34
15	Cortical route for facelike pattern processing in human newborns. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 4625-4630.	3.3	112
16	Conceptual and Perceptual Dimensions of Word Meaning Are Recovered Rapidly and in Parallel during Reading. <i>Journal of Cognitive Neuroscience</i> , 2019, 31, 95-108.	1.1	5
17	Discriminability of numerosity-evoked fMRI activity patterns in human intra-parietal cortex reflects behavioral numerical acuity. <i>Cortex</i> , 2019, 114, 90-101.	1.1	37
18	Attentional amplification of neural codes for number independent of other quantities along the dorsal visual stream. <i>ELife</i> , 2019, 8, .	2.8	52

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19	Asymmetrical interference between number and item size perception provides evidence for a domain specific impairment in dyscalculia. PLoS ONE, 2018, 13, e0209256.	1.1	26
20	Probing the mental representation of quantifiers. Cognition, 2018, 181, 117-126.	1.1	14
21	Learning to focus on number. Cognition, 2018, 181, 35-45.	1.1	40
22	Finger Tracking Reveals the Covert Stages of Mental Arithmetic. Open Mind, 2017, 1, 30-41.	0.6	36
23	The neuro-cognitive representations of symbols: the case of concrete words. Neuropsychologia, 2017, 105, 4-17.	0.7	36
24	Numerical abilities of school-age children with Developmental Coordination Disorder (DCD): A behavioral and eye-tracking study. Human Movement Science, 2017, 55, 315-326.	0.6	25
25	Word meaning in the ventral visual path: a perceptual to conceptual gradient of semantic coding. NeuroImage, 2016, 143, 128-140.	2.1	62
26	Comparing magnitudes across dimensions: a univariate and multivariate approach. , 2016, , .		1
27	Neural foundations and functional specificity of number representations. Neuropsychologia, 2016, 83, 257-273.	0.7	70
28	Mind, brain, and teaching: Some directions for future research. Behavioral and Brain Sciences, 2015, 38, e54.	0.4	5
29	Mathematical difficulties in developmental coordination disorder: Symbolic and nonsymbolic number processing. Research in Developmental Disabilities, 2015, 43-44, 167-178.	1.2	48
30	Contribution of motor representations to action verb processing. Cognition, 2015, 134, 174-184.	1.1	38
31	A Shared, Flexible Neural Map Architecture Reflects Capacity Limits in Both Visual Short-Term Memory and Enumeration. Journal of Neuroscience, 2014, 34, 9857-9866.	1.7	66
32	A perceptual-to-conceptual gradient of word coding along the ventral path. , 2014, , .		0
33	Education Enhances the Acuity of the Nonverbal Approximate Number System. Psychological Science, 2013, 24, 1037-1043.	1.8	238
34	Objects, numbers, fingers, space: clustering of ventral and dorsal functions in young children and adults. Developmental Science, 2013, 16, 377-393.	1.3	27
35	Neurocognitive Start-Up Tools for Symbolic Number Representations. , 2011, , 267-285.		30
36	Subitizing reflects visuo-spatial object individuation capacity. Cognition, 2011, 121, 147-153.	1.1	159

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37	The Role of Attentional Priority and Saliency in Determining Capacity Limits in Enumeration and Visual Working Memory. PLoS ONE, 2011, 6, e29296.	1.1	70
38	Numerical estimation in preschoolers.. Developmental Psychology, 2010, 46, 545-551.	1.2	211
39	Developmental trajectory of number acuity reveals a severe impairment in developmental dyscalculia. Cognition, 2010, 116, 33-41.	1.1	634
40	Neurocognitive start-up tools for symbolic number representations. Trends in Cognitive Sciences, 2010, 14, 542-551.	4.0	388
41	What is an (abstract) neural representation of quantity?. Behavioral and Brain Sciences, 2009, 32, 348-349.	0.4	0
42	How Humans Count: Numerosity and the Parietal Cortex. Neuroscientist, 2009, 15, 261-273.	2.6	120
43	Neural mechanisms of attentional shifts due to irrelevant spatial and numerical cues. Neuropsychologia, 2009, 47, 2615-2624.	0.7	78
44	What information is critical to elicit interference in number-form synaesthesia?. Cortex, 2009, 45, 1200-1216.	1.1	50
45	Numerical and Spatial Intuitions: A Role for Posterior Parietal Cortex?. , 2009, , 221-246.		17
46	Verbal numerosity estimation deficit in the context of spared semantic representation of numbers: A neuropsychological study of a patient with frontal lesions. Neuropsychologia, 2008, 46, 2463-2475.	0.7	41
47	Does Subitizing Reflect Numerical Estimation?. Psychological Science, 2008, 19, 607-614.	1.8	237
48	A Magnitude Code Common to Numerosities and Number Symbols in Human Intraparietal Cortex. Neuron, 2007, 53, 293-305.	3.8	782
49	Exact and approximate judgements of visual and auditory numerosity: An fMRI study. Brain Research, 2006, 1106, 177-188.	1.1	248
50	Objective correlates of an unusual subjective experience: A single-case study of numberâ€‘form synaesthesia. Cognitive Neuropsychology, 2006, 23, 1162-1173.	0.4	38
51	Interactions between number and space in parietal cortex. Nature Reviews Neuroscience, 2005, 6, 435-448.	4.9	1,180
52	Tuning Curves for Approximate Numerosity in the Human Intraparietal Sulcus. Neuron, 2004, 44, 547-555.	3.8	1,082
53	Distributed and Overlapping Cerebral Representations of Number, Size, and Luminance during Comparative Judgments. Neuron, 2004, 41, 983-993.	3.8	666
54	THREE PARIETAL CIRCUITS FOR NUMBER PROCESSING. Cognitive Neuropsychology, 2003, 20, 487-506.	0.4	2,143

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55	Single-trial classification of parallel pre-attentive and serial attentive processes using functional magnetic resonance imaging. Proceedings of the Royal Society B: Biological Sciences, 2003, 270, 1237-1245.	1.2	113
56	Are Subitizing and Counting Implemented as Separate or Functionally Overlapping Processes?. NeuroImage, 2002, 15, 435-446.	2.1	293