

Max Garagnani

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

853
citations

516710

16
h-index

888059

17
g-index

19
all docs

19
docs citations

19
times ranked

677
citing authors

#	ARTICLE	IF	CITATIONS
1	A neuroanatomically grounded Hebbian learning model of attention language interactions in the human brain. <i>European Journal of Neuroscience</i> , 2008, 27, 492-513.	2.6	116
2	Brain connections of words, perceptions and actions: A neurobiological model of spatio-temporal semantic activation in the human cortex. <i>Neuropsychologia</i> , 2017, 98, 111-129.	1.6	78
3	Conceptual grounding of language in action and perception: a neurocomputational model of the emergence of category specificity and semantic hubs. <i>European Journal of Neuroscience</i> , 2016, 43, 721-737.	2.6	72
4	Thinking in circuits: toward neurobiological explanation in cognitive neuroscience. <i>Biological Cybernetics</i> , 2014, 108, 573-593.	1.3	70
5	Language models based on Hebbian cell assemblies. <i>Journal of Physiology (Paris)</i> , 2006, 100, 16-30.	2.1	67
6	Auditory processing and sensory behaviours in children with autism spectrum disorders as revealed by mismatch negativity. <i>Brain and Cognition</i> , 2014, 86, 55-63.	1.8	55
7	Neurocomputational Consequences of Evolutionary Connectivity Changes in Perisylvian Language Cortex. <i>Journal of Neuroscience</i> , 2017, 37, 3045-3055.	3.6	52
8	Effects of attention on what is known and what is not: MEG evidence for functionally discrete memory circuits. <i>Frontiers in Human Neuroscience</i> , 2009, 3, 10.	2.0	49
9	From sensorimotor learning to memory cells in prefrontal and temporal association cortex: A neurocomputational study of disembodiment. <i>Cortex</i> , 2014, 57, 1-21.	2.4	48
10	Recruitment and Consolidation of Cell Assemblies for Words by Way of Hebbian Learning and Competition in a Multi-Layer Neural Network. <i>Cognitive Computation</i> , 2009, 1, 160-176.	5.2	47
11	From sounds to words: A neurocomputational model of adaptation, inhibition and memory processes in auditory change detection. <i>NeuroImage</i> , 2011, 54, 170-181.	4.2	44
12	A Neurobiologically Constrained Cortex Model of Semantic Grounding With Spiking Neurons and Brain-Like Connectivity. <i>Frontiers in Computational Neuroscience</i> , 2018, 12, 88.	2.1	38
13	A neuronal model of the language cortex. <i>Neurocomputing</i> , 2007, 70, 1914-1919.	5.9	36
14	Neuronal correlates of decisions to speak and act: Spontaneous emergence and dynamic topographies in a computational model of frontal and temporal areas. <i>Brain and Language</i> , 2013, 127, 75-85.	1.6	28
15	Visual cortex recruitment during language processing in blind individuals is explained by Hebbian learning. <i>Scientific Reports</i> , 2019, 9, 3579.	3.3	26
16	A Spiking Neurocomputational Model of High-Frequency Oscillatory Brain Responses to Words and Pseudowords. <i>Frontiers in Computational Neuroscience</i> , 2016, 10, 145.	2.1	25
17	Semantic Grounding of Novel Spoken Words in the Primary Visual Cortex. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 581847.	2.0	1