

Mark Bodner

List of Publications by Year in descending order

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32
papers

1,075
citations

567144

15
h-index

454834

30
g-index

32
all docs

32
docs citations

32
times ranked

1191
citing authors

#	ARTICLE	IF	CITATIONS
1	Cross-modal and cross-temporal association in neurons of frontal cortex. <i>Nature</i> , 2000, 405, 347-351.	13.7	463
2	fMRI study relevant to the Mozart effect: Brain areas involved in spatial-temporal reasoning. <i>Neurological Research</i> , 2001, 23, 683-690.	0.6	63
3	Reflection enhances creativity: Beneficial effects of idea evaluation on idea generation. <i>Brain and Cognition</i> , 2016, 103, 30-37.	0.8	54
4	Long-term enhancement of maze learning in mice via a generalized Mozart effect. <i>Neurological Research</i> , 2005, 27, 791-796.	0.6	46
5	Near-infrared spectroscopy (NIRS) in cognitive neuroscience of the primate brain. <i>NeuroImage</i> , 2005, 26, 215-220.	2.1	43
6	Working Memory Cells' Behavior May Be Explained by Cross-Regional Networks with Synaptic Facilitation. <i>PLoS ONE</i> , 2009, 4, e6399.	1.1	35
7	Differential roles of delay-period neural activity in the monkey dorsolateral prefrontal cortex in visual-haptic crossmodal working memory. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E214-9.	3.3	32
8	Plastic change of prefrontal cortex mediates anxiety-like behaviors associated with chronic pain in neuropathic rats. <i>Molecular Pain</i> , 2018, 14, 174480691878393.	1.0	32
9	Prefrontal cortex and sensory cortices during working memory: quantity and quality. <i>Neuroscience Bulletin</i> , 2015, 31, 175-182.	1.5	31
10	Oscillations in working memory and neural binding: A mechanism for multiple memories and their interactions. <i>PLoS Computational Biology</i> , 2018, 14, e1006517.	1.5	30
11	Sequential Neural Processes in Abacus Mental Addition: An EEG and fMRI Case Study. <i>PLoS ONE</i> , 2012, 7, e36410.	1.1	27
12	Sequential Roles of Primary Somatosensory Cortex and Posterior Parietal Cortex in Tactile-visual Cross-modal Working Memory: A Single-pulse Transcranial Magnetic Stimulation (spTMS) Study. <i>Brain Stimulation</i> , 2015, 8, 88-91.	0.7	26
13	Prefrontal Cortex and Somatosensory Cortex in Tactile Crossmodal Association: An Independent Component Analysis of ERP Recordings. <i>PLoS ONE</i> , 2007, 2, e771.	1.1	22
14	A model for complex sequence learning and reproduction in neural populations. <i>Journal of Computational Neuroscience</i> , 2012, 32, 403-423.	0.6	22
15	Symmetric temporal patterns in cortical spike trains during performance of a short-term memory task. <i>Neurological Research</i> , 1997, 19, 509-514.	0.6	17
16	Cooperative processing in primary somatosensory cortex and posterior parietal cortex during tactile working memory. <i>European Journal of Neuroscience</i> , 2015, 42, 1905-1911.	1.2	17
17	Modulation of prefrontal connectivity in postherpetic neuralgia patients with chronic pain: a resting-state functional magnetic resonance-imaging study. <i>Journal of Pain Research</i> , 2018, Volume 11, 2131-2144.	0.8	16
18	Binary Mapping of Cortical Spike Trains in Short-Term Memory. <i>Journal of Neurophysiology</i> , 1997, 77, 2219-2222.	0.9	13

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19	Reliable short-term memory in the trion model: toward a cortical language and grammar. <i>Biological Cybernetics</i> , 2001, 84, 173-182.	0.6	12
20	Music Enhances Spatial-Temporal Reasoning: Towards a Neurophysiological Basis Using EEG. <i>Clinical EEG (electroencephalography)</i> , 1999, 30, 151-155.	0.9	10
21	From working memory to epilepsy: Dynamics of facilitation and inhibition in a cortical network. <i>Chaos</i> , 2009, 19, 015115.	1.0	9
22	Persistent Neuronal Firing in Primary Somatosensory Cortex in the Absence of Working Memory of Trial-specific Features of the Sample Stimuli in a Haptic Working Memory Task. <i>Journal of Cognitive Neuroscience</i> , 2012, 24, 664-676.	1.1	9
23	Neural correlates of heat-evoked pain memory in humans. <i>Journal of Neurophysiology</i> , 2016, 115, 1596-1604.	0.9	8
24	Neural correlates of visuo-tactile crossmodal paired-associate learning and memory in humans. <i>Neuroscience</i> , 2017, 362, 181-195.	1.1	8
25	Breaking of Icosahedral Symmetry: C60 to C70. <i>PLoS ONE</i> , 2014, 9, e84079.	1.1	8
26	Innate spatial-temporal reasoning and the identification of genius. <i>Neurological Research</i> , 2004, 26, 2-8.	0.6	7
27	Behavioral Choice-related Neuronal Activity in Monkey Primary Somatosensory Cortex in a Haptic Delay Task. <i>Journal of Cognitive Neuroscience</i> , 2012, 24, 1634-1644.	1.1	7
28	Detecting Symmetric Patterns in EEG Data: A New Method of Analysis. <i>Clinical EEG (electroencephalography)</i> , 1999, 30, 143-150.	0.9	5
29	Neural Correlates of Feedback Processing in Visuo-Tactile Crossmodal Paired-Associate Learning. <i>Frontiers in Human Neuroscience</i> , 2018, 12, 266.	1.0	2
30	Decomposition matrices for the special case of data on the triangular lattice of G (2). <i>Applied and Computational Harmonic Analysis</i> , 2018, 45, 233-238.	1.1	1
31	Gordon Shaw. <i>Neurological Research</i> , 2005, 27, 787-790.	0.6	0
32	THE SHMUSHKEVICH METHOD FOR HIGHER SYMMETRY GROUPS OF INTERACTING PARTICLES. <i>Acta Polytechnica</i> , 2013, 53, 395-398.	0.3	0