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List of Publications by Year in descending order

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Version: 2024-02-01

43
papers

2,679
citations

430874

18
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243625

44
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47
all docs

47
docs citations

47
times ranked

3607
citing authors

#	ARTICLE	IF	CITATIONS
1	A Standards Organization for Open and FAIR Neuroscience: the International Neuroinformatics Coordinating Facility. <i>Neuroinformatics</i> , 2022, 20, 25-36.	2.8	26
2	Geodesic-based distance reveals nonlinear topological features in neural activity from mouse visual cortex. <i>Biological Cybernetics</i> , 2022, 116, 53-68.	1.3	4
3	Recommendations for repositories and scientific gateways from a neuroscience perspective. <i>Scientific Data</i> , 2022, 9, 212.	5.3	3
4	Flexible Frequency Switching in Adult Mouse Visual Cortex Is Mediated by Competition Between Parvalbumin and Somatostatin Expressing Interneurons. <i>Neural Computation</i> , 2021, 33, 926-966.	2.2	7
5	Biological Cybernetics: 60 years and more to come. <i>Biological Cybernetics</i> , 2021, 115, 5-6.	1.3	4
6	Uncovering Statistical Links Between Gene Expression and Structural Connectivity Patterns in the Mouse Brain. <i>Neuroinformatics</i> , 2021, 19, 649-667.	2.8	2
7	Learning at Variable Attentional Load Requires Cooperation of Working Memory, Meta-learning, and Attention-augmented Reinforcement Learning. <i>Journal of Cognitive Neuroscience</i> , 2021, 34, 1-29.	2.3	8
8	Progress towards a cellularly resolved mouse mesoconnectome is empowered by data fusion and new neuroanatomy techniques. <i>Neuroscience and Biobehavioral Reviews</i> , 2021, 128, 569-591.	6.1	2
9	Comprehensive characterization of oscillatory signatures in a model circuit with PV- and SOM-expressing interneurons. <i>Biological Cybernetics</i> , 2021, 115, 487-517.	1.3	8
10	Adaptive spike-artifact removal from local field potentials uncovers prominent beta and gamma band neuronal synchronization. <i>Journal of Neuroscience Methods</i> , 2020, 330, 108485.	2.5	21
11	Multiple Midfrontal Thetas Revealed by Source Separation of Simultaneous MEG and EEG. <i>Journal of Neuroscience</i> , 2020, 40, 7702-7713.	3.6	45
12	Human stereoEEG recordings reveal network dynamics of decision-making in a rule-switching task. <i>Nature Communications</i> , 2020, 11, 3075.	12.8	13
13	Prediction of a Cell-Class-Specific Mouse Mesoconnectome Using Gene Expression Data. <i>Neuroinformatics</i> , 2020, 18, 611-626.	2.8	4
14	Where is Cingulate Cortex? A Cross-Species View. <i>Trends in Neurosciences</i> , 2020, 43, 285-299.	8.6	150
15	Sensitivity to Stimulus Irregularity Is Inherent in Neural Networks. <i>Neural Computation</i> , 2019, 31, 1789-1824.	2.2	4
16	Feature-specific prediction errors and surprise across macaque fronto-striatal circuits. <i>Nature Communications</i> , 2019, 10, 176.	12.8	50
17	Cellular diversity of the somatosensory cortical map plasticity. <i>Neuroscience and Biobehavioral Reviews</i> , 2018, 84, 100-115.	6.1	24
18	Characterization of network structure in stereoEEG data using consensus-based partial coherence. <i>NeuroImage</i> , 2018, 179, 385-402.	4.2	6

#	ARTICLE	IF	CITATIONS
19	Anti-correlations in the degree distribution increase stimulus detection performance in noisy spiking neural networks. <i>Journal of Computational Neuroscience</i> , 2017, 42, 87-106.	1.0	7
20	The missing link: Predicting connectomes from noisy and partially observed tract tracing data. <i>PLoS Computational Biology</i> , 2017, 13, e1005374.	3.2	6
21	Top-down control of cortical gamma-band communication via pulvinar induced phase shifts in the alpha rhythm. <i>PLoS Computational Biology</i> , 2017, 13, e1005519.	3.2	35
22	Connectomic Analysis of Brain Networks: Novel Techniques and Future Directions. <i>Frontiers in Neuroanatomy</i> , 2016, 10, 110.	1.7	23
23	A Developmental Switch for Hebbian Plasticity. <i>PLoS Computational Biology</i> , 2015, 11, e1004386.	3.2	12
24	Feeding the human brain model. <i>Current Opinion in Neurobiology</i> , 2015, 32, 107-114.	4.2	17
25	Circuit to Construct Mapping: A Mathematical Tool for Assisting the Diagnosis and Treatment in Major Depressive Disorder. <i>Frontiers in Psychiatry</i> , 2015, 6, 29.	2.6	12
26	The Scalable Brain Atlas: Instant Web-Based Access to Public Brain Atlases and Related Content. <i>Neuroinformatics</i> , 2015, 13, 353-366.	2.8	245
27	Oscillatory mechanisms of feedforward and feedback visual processing. <i>Trends in Neurosciences</i> , 2015, 38, 192-194.	8.6	87
28	Dynamic circuit motifs underlying rhythmic gain control, gating and integration. <i>Nature Neuroscience</i> , 2014, 17, 1031-1039.	14.8	294
29	Dependence of V2 illusory contour response on V1 cell properties and topographic organization. <i>Biological Cybernetics</i> , 2014, 108, 337-354.	1.3	12
30	Reduced delta power and synchrony and increased gamma power during the P3 time window in schizophrenia. <i>Schizophrenia Research</i> , 2013, 150, 266-268.	2.0	13
31	Robust Gamma Coherence between Macaque V1 and V2 by Dynamic Frequency Matching. <i>Neuron</i> , 2013, 78, 523-536.	8.1	234
32	Simultaneous stability and sensitivity in model cortical networks is achieved through anti-correlations between the in- and out-degree of connectivity. <i>Frontiers in Computational Neuroscience</i> , 2013, 7, 156.	2.1	12
33	Long non-coding RNAs in neurodevelopmental disorders. <i>Frontiers in Molecular Neuroscience</i> , 2013, 6, 53.	2.9	53
34	Motifs in health and disease: the promise of circuit interrogation by optogenetics. <i>European Journal of Neuroscience</i> , 2012, 36, 2260-2272.	2.6	16
35	Subclasses of oligodendrocytes populate the mouse hippocampus. <i>European Journal of Neuroscience</i> , 2010, 31, 425-438.	2.6	34
36	Hedonic and nucleus accumbens neural responses to a natural reward are regulated by aversive conditioning. <i>Learning and Memory</i> , 2010, 17, 539-546.	1.3	67

#	ARTICLE	IF	CITATIONS
37	Cortical Enlightenment: Are Attentional Gamma Oscillations Driven by ING or PING?. <i>Neuron</i> , 2009, 63, 727-732.	8.1	381
38	Regulation of spike timing in visual cortical circuits. <i>Nature Reviews Neuroscience</i> , 2008, 9, 97-107.	10.2	313
39	Attentional modulation of firing rate and synchrony in a model cortical network. <i>Journal of Computational Neuroscience</i> , 2006, 20, 247-264.	1.0	103
40	The Possible Role of Spike Patterns in Cortical Information Processing. <i>Journal of Computational Neuroscience</i> , 2005, 18, 275-286.	1.0	18
41	Stimulus Competition by Inhibitory Interference. <i>Neural Computation</i> , 2005, 17, 2421-2453.	2.2	26
42	Influence of Ionic Conductances on Spike Timing Reliability of Cortical Neurons for Suprathreshold Rhythmic Inputs. <i>Journal of Neurophysiology</i> , 2004, 91, 194-205.	1.8	88
43	Discovering Spike Patterns in Neuronal Responses. <i>Journal of Neuroscience</i> , 2004, 24, 2989-3001.	3.6	177