

JokÅ«bas Å½iburkus

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,391
citations

516215

16
h-index

642321

23
g-index

25
all docs

25
docs citations

25
times ranked

1677
citing authors

#	ARTICLE	IF	CITATIONS
1	Neuromodulators Control the Polarity of Spike-Timing-Dependent Synaptic Plasticity. <i>Neuron</i> , 2007, 55, 919-929.	3.8	363
2	Interneuron and Pyramidal Cell Interplay During In Vitro Seizure-Like Events. <i>Journal of Neurophysiology</i> , 2006, 95, 3948-3954.	0.9	246
3	The influence of sodium and potassium dynamics on excitability, seizures, and the stability of persistent states: I. Single neuron dynamics. <i>Journal of Computational Neuroscience</i> , 2009, 26, 159-170.	0.6	230
4	Seizures as imbalanced up states: excitatory and inhibitory conductances during seizure-like events. <i>Journal of Neurophysiology</i> , 2013, 109, 1296-1306.	0.9	87
5	Inhibitory Neuron and Hippocampal Circuit Dysfunction in an Aged Mouse Model of Alzheimer's Disease. <i>PLoS ONE</i> , 2013, 8, e64318.	1.1	73
6	Loss of Binocular Responses and Reduced Retinal Convergence During the Period of Retinogeniculate Axon Segregation. <i>Journal of Neurophysiology</i> , 2006, 96, 2775-2784.	0.9	60
7	Synaptic Mechanisms Regulating the Activation of a Ca ²⁺ -Mediated Plateau Potential in Developing Relay Cells of the LGN. <i>Journal of Neurophysiology</i> , 2002, 87, 1175-1185.	0.9	58
8	Oxygen and seizure dynamics: I. Experiments. <i>Journal of Neurophysiology</i> , 2014, 112, 205-212.	0.9	35
9	The role of glutamate in neuronal ion homeostasis: A case study of spreading depolarization. <i>PLoS Computational Biology</i> , 2017, 13, e1005804.	1.5	32
10	From Molecular Circuit Dysfunction to Disease. <i>Neuroscientist</i> , 2016, 22, 295-312.	2.6	26
11	Nature of Inhibitory Postsynaptic Activity in Developing Relay Cells of the Lateral Geniculate Nucleus. <i>Journal of Neurophysiology</i> , 2003, 90, 1063-1070.	0.9	26
12	LTD and LTP at the Developing Retinogeniculate Synapse. <i>Journal of Neurophysiology</i> , 2009, 102, 3082-3090.	0.9	21
13	Purnergic control of hippocampal circuit hyperexcitability in <i>D</i> syndrome. <i>Epilepsia</i> , 2014, 55, 245-255.	2.6	21
14	Effects of experimental traumatic brain injury and impaired glutamate transport on cortical spreading depression. <i>Experimental Neurology</i> , 2017, 295, 155-161.	2.0	19
15	Analyzing and Modeling the Dysfunction of Inhibitory Neurons in Alzheimer's Disease. <i>PLoS ONE</i> , 2016, 11, e0168800.	1.1	18
16	A novel means of Y cell identification in the developing lateral geniculate nucleus of the cat. <i>Neuroscience Letters</i> , 2000, 295, 5-8.	1.0	16
17	Kalman filter tracking of intracellular neuronal voltage and current. , 2011, , .		11
18	β-Adrenergic modulation of spontaneous spatiotemporal activity patterns and synchrony in hyperexcitable hippocampal circuits. <i>Journal of Neurophysiology</i> , 2012, 108, 658-671.	0.9	9

#	ARTICLE	IF	CITATIONS
19	WONOEP appraisal: Molecular and cellular imaging in epilepsy. <i>Epilepsia</i> , 2015, 56, 505-513.	2.6	6
20	NMDAR-1 staining in the lateral geniculate nucleus of normal and visually deprived cats. <i>Visual Neuroscience</i> , 2000, 17, 187-196.	0.5	5
21	Robust Cell Detection for Large-Scale 3D Microscopy Using GPU-Accelerated Iterative Voting. <i>Frontiers in Neuroanatomy</i> , 2018, 12, 28.	0.9	5
22	Three-dimensional GPU-accelerated active contours for automated localization of cells in large images. <i>PLoS ONE</i> , 2019, 14, e0215843.	1.1	3
23	Neuromodulators Control the Polarity of Spike-Timing-Dependent Synaptic Plasticity. <i>Neuron</i> , 2007, 56, 754.	3.8	2
24	Towards a Dynamics of Seizure Mechanics. , 2008, , 496-XVIII.		2