Srikanth Ramaswamy

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/786073/publications.pdf

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15	2,104	933447 10	1125743 13
papers	citations	h-index	g-index

18	18	18	2508
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	2022 roadmap on neuromorphic computing and engineering. Neuromorphic Computing and Engineering, 2022, 2, 022501.	5.9	217
2	Informing deep neural networks by multiscale principles of neuromodulatory systems. Trends in Neurosciences, 2022, 45, 237-250.	8.6	21
3	Computational Concepts for Reconstructing and Simulating Brain Tissue. Advances in Experimental Medicine and Biology, 2022, 1359, 237-259.	1.6	2
4	Cover Image, Volume 30, Issue 11. Hippocampus, 2020, 30, C1.	1.9	0
5	Dataâ€driven integration of hippocampal <scp>CA1</scp> synaptic physiology in silico. Hippocampus, 2020, 30, 1129-1145.	1.9	38
6	Estimating the Readily-Releasable Vesicle Pool Size at Synaptic Connections in the Neocortex. Frontiers in Synaptic Neuroscience, 2019, 11, 29.	2.5	18
7	Cellular, Synaptic and Network Effects of Acetylcholine in the Neocortex. Frontiers in Neural Circuits, 2019, 13, 24.	2.8	72
8	A Computational Model of Loss of Dopaminergic Cells in Parkinson's Disease Due to Glutamate-Induced Excitotoxicity. Frontiers in Neural Circuits, 2019, 13, 11.	2.8	34
9	Data-Driven Modeling of Cholinergic Modulation of Neural Microcircuits: Bridging Neurons, Synapses and Network Activity. Frontiers in Neural Circuits, 2018, 12, 77.	2.8	13
10	Unique Maturation Trajectories of Basket and Chandelier Cells in the Neocortex. Journal of Neuroscience, 2017, 37, 10255-10257.	3.6	0
11	Anatomy and physiology of the thick-tufted layer 5 pyramidal neuron. Frontiers in Cellular Neuroscience, 2015, 9, 233.	3.7	143
12	The neocortical microcircuit collaboration portal: a resource for rat somatosensory cortex. Frontiers in Neural Circuits, 2015, 9, 44.	2.8	138
13	An algorithm to predict the connectome of neural microcircuits. Frontiers in Computational Neuroscience, 2015, 9, 120.	2.1	98
14	Reconstruction and Simulation of Neocortical Microcircuitry. Cell, 2015, 163, 456-492.	28.9	1,258
15	Intrinsic morphological diversity of thickâ€tufted layer 5 pyramidal neurons ensures robust and invariant properties of in silico synaptic connections. Journal of Physiology, 2012, 590, 737-752.	2.9	44