

Srikanth Ramaswamy

List of Publications by Year in descending order

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

Version: 2024-02-01

15
papers

2,104
citations

933447

10
h-index

1125743

13
g-index

18
all docs

18
docs citations

18
times ranked

2508
citing authors

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