

Shawn Mikula

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

1,078
citations

840776

11
h-index

839539

18
g-index

20
all docs

20
docs citations

20
times ranked

1664
citing authors

#	ARTICLE	IF	CITATIONS
1	A Proposal for a Coordinated Effort for the Determination of Brainwide Neuroanatomical Connectivity in Model Organisms at a Mesoscopic Scale. PLoS Computational Biology, 2009, 5, e1000334.	3.2	242
2	Internet-enabled high-resolution brain mapping and virtual microscopy. NeuroImage, 2007, 35, 9-15.	4.2	194
3	High-resolution whole-brain staining for electron microscopic circuit reconstruction. Nature Methods, 2015, 12, 541-546.	19.0	159
4	Staining and embedding the whole mouse brain for electron microscopy. Nature Methods, 2012, 9, 1198-1201.	19.0	132
5	Automated synaptic connectivity inference for volume electron microscopy. Nature Methods, 2017, 14, 435-442.	19.0	121
6	A carbon nanotube tape for serial-section electron microscopy of brain ultrastructure. Nature Communications, 2018, 9, 437.	12.8	53
7	Progress Towards Mammalian Whole-Brain Cellular Connectomics. Frontiers in Neuroanatomy, 2016, 10, 62.	1.7	32
8	Complete 3D visualization of primate striosomes by KChIP1 immunostaining. Journal of Comparative Neurology, 2009, 514, 507-517.	1.6	26
9	The Effects of Input Rate and Synchrony on a Coincidence Detector: Analytical Solution. Neural Computation, 2003, 15, 539-547.	2.2	19
10	Interactive visualization of multiresolution image stacks in 3D. NeuroImage, 2007, 35, 1038-1043.	4.2	16
11	Low-Dosage Maximum- <i>A-Posteriori</i> Focusing and Stigmatism. Microscopy and Microanalysis, 2013, 19, 38-55.	0.4	15
12	The thalamus of the monotremes: cyto- and myeloarchitecture and chemical neuroanatomy. Philosophical Transactions of the Royal Society B: Biological Sciences, 2008, 363, 2415-2440.	4.0	11
13	Automated cell nucleus detection for large-volume electron microscopy of neural tissue. , 2014, , .		11
14	BrainMaps.org - Interactive High-Resolution Digital Brain Atlases and Virtual Microscopy. Brains, Minds & Media: Journal of New Media in Neural and Cognitive Science and Education, 2008, 3, bmm1426.	0.0	11
15	Learning to Segment Neurons with Non-local Quality Measures. Lecture Notes in Computer Science, 2013, 16, 419-427.	1.3	10
16	Synaptic Depression Leads to Nonmonotonic Frequency Dependence in the Coincidence Detector. Neural Computation, 2003, 15, 2339-2358.	2.2	8
17	Rate and Synchrony in Feedforward Networks of Coincidence Detectors: Analytical Solution. Neural Computation, 2005, 17, 881-902.	2.2	8
18	Correlated Inhibitory and Excitatory Inputs to the Coincidence Detector: Analytical Solution. IEEE Transactions on Neural Networks, 2004, 15, 957-962.	4.2	6

#	ARTICLE	IF	CITATIONS
19	Exact Solutions for Rate and Synchrony in Recurrent Networks of Coincidence Detectors. <i>Neural Computation</i> , 2008, 20, 2637-2661.	2.2	4
20	The Developmental Remodeling of Eye-Specific Afferents in the Ferret Dorsal Lateral Geniculate Nucleus. <i>Anatomical Record</i> , 2010, 293, spc1-spc1.	1.4	0