Yiyin Zhou

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/9392413/publications.pdf

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17	183	1477746 6	1199166 12
papers	citations	h-index	g-index

21	21	21	184
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Accelerating with FlyBrainLab the discovery of the functional logic of the Drosophila brain in the connectomic and synaptomic era. ELife, 2021, 10, .	2.8	18
2	Sparse identification of contrast gain control in the fruit fly photoreceptor and amacrine cell layer. Journal of Mathematical Neuroscience, 2020, 10, 3.	2.4	7
3	Design of an Always-On Deep Neural Network-Based 1-mu W Voice Activity Detector Aided With a Customized Software Model for Analog Feature Extraction. IEEE Journal of Solid-State Circuits, 2019, 54, 1764-1777.	3.5	51
4	A 1Î¼W voice activity detector using analog feature extraction and digital deep neural network. , 2018, , .		36
5	Sparse Functional Identification of Complex Cells from Spike Times and the Decoding of Visual Stimuli. Journal of Mathematical Neuroscience, 2018, 8, 2.	2.4	2
6	A Motion Detection Algorithm Using Local Phase Information. Computational Intelligence and Neuroscience, 2016, 2016, 1-20.	1.1	3
7	Identifying Multisensory Dendritic Stimulus Processors. IEEE Transactions on Molecular, Biological, and Multi-Scale Communications, 2016, 2, 183-198.	1.4	2
8	Functional identification of complex cells from spike times and the decoding of visual stimuli. BMC Neuroscience, 2015, 16, .	0.8	0
9	Retina of the fruit fly eyes: a detailed simulation model. BMC Neuroscience, 2015, 16, .	0.8	1
10	Massively parallel neural circuits for stereoscopic color vision: Encoding, decoding and identification. Neural Networks, 2015, 63, 254-271.	3.3	7
11	Volterra dendritic stimulus processors and biophysical spike generators with intrinsic noise sources. Frontiers in Computational Neuroscience, 2014, 8, 95.	1.2	6
12	Reconstructing Natural Visual Scenes From Spike Times. Proceedings of the IEEE, 2014, 102, 1500-1519.	16.4	8
13	The power of connectivity: Identity preserving transformations on visual streams in the spike domain. Neural Networks, 2013, 44, 22-35.	3.3	3
14	Massively parallel neural encoding and decoding of visual stimuli. Neural Networks, 2012, 32, 303-312.	3.3	6
15	Realizing Video Time Decoding Machines with recurrent neural networks. , 2011, , .		2
16	Encoding natural scenes with neural circuits with random thresholds. Vision Research, 2010, 50, 2200-2212.	0.7	22
17	A Programmable Ontology Encompassing the Functional Logic of the Drosophila Brain. Frontiers in Neuroinformatics, 0, 16, .	1.3	2