

Patrick A Shoemaker

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

368
citations

1040056

9
h-index

1058476

14
g-index

16
all docs

16
docs citations

16
times ranked

235
citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling Nonlinear Dendritic Processing of Facilitation in a Dragonfly Target-Tracking Neuron. <i>Frontiers in Neural Circuits</i> , 2021, 15, 684872.	2.8	1
2	Neural Network Model for Detection of Edges Defined by Image Dynamics. <i>Frontiers in Computational Neuroscience</i> , 2019, 13, 76.	2.1	3
3	Multicompartment Simulations of NMDA Receptor Based Facilitation in an Insect Target Tracking Neuron. <i>Lecture Notes in Computer Science</i> , 2017, , 397-404.	1.3	4
4	Neuronal networks with NMDARs and lateral inhibition implement winner-takes-all. <i>Frontiers in Computational Neuroscience</i> , 2015, 9, 12.	2.1	3
5	Figure-ground discrimination behavior in <i>Drosophila</i> . I. Spatial organization of wing steering responses. <i>Journal of Experimental Biology</i> , 2014, 217, 558-69.	1.7	32
6	Method and software for using m-sequences to characterize parallel components of higher-order visual tracking behavior in <i>Drosophila</i> . <i>Frontiers in Neural Circuits</i> , 2014, 8, 130.	2.8	13
7	Implementation of Visual Motion Detection in Analog "Neuromorphic" Circuitry" A Case Study of the Issue of Circuit Precision. <i>Proceedings of the IEEE</i> , 2014, 102, 1557-1570.	21.3	1
8	Correlation between OFF and ON Channels Underlies Dark Target Selectivity in an Insect Visual System. <i>Journal of Neuroscience</i> , 2013, 33, 13225-13232.	3.6	46
9	Can a competitive neural network explain selective attention in insect target tracking neurons?. , 2013, , .		0
10	Facilitation of dragonfly target-detecting neurons by slow moving features on continuous paths. <i>Frontiers in Neural Circuits</i> , 2012, 6, 79.	2.8	39
11	Figure Tracking by Flies Is Supported by Parallel Visual Streams. <i>Current Biology</i> , 2012, 22, 482-487.	3.9	61
12	Neural bistability and amplification mediated by NMDA receptors: Analysis of stationary equations. <i>Neurocomputing</i> , 2011, 74, 3058-3071.	5.9	12
13	Optic flow estimation on trajectories generated by bio-inspired closed-loop flight. <i>Biological Cybernetics</i> , 2011, 104, 339-350.	1.3	13
14	Theta motion processing in fruit flies. <i>Frontiers in Behavioral Neuroscience</i> , 2010, 4, .	2.0	19
15	A Model for the Detection of Moving Targets in Visual Clutter Inspired by Insect Physiology. <i>PLoS ONE</i> , 2008, 3, e2784.	2.5	121