Patrick A Shoemaker

List of Publications by Year
in descending order

15	368	1040056 9	1058476 14
papers	citations	h-index	g-index

16	16	16	235
all docs	docs citations	times ranked	citing authors

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