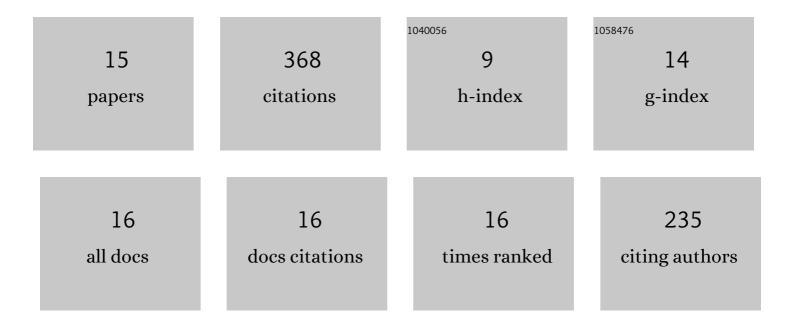
Patrick A Shoemaker

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Modeling Nonlinear Dendritic Processing of Facilitation in a Dragonfly Target-Tracking Neuron. Frontiers in Neural Circuits, 2021, 15, 684872.	2.8	1
2	Neural Network Model for Detection of Edges Defined by Image Dynamics. Frontiers in Computational Neuroscience, 2019, 13, 76.	2.1	3
3	Multicompartment Simulations of NMDA Receptor Based Facilitation in an Insect Target Tracking Neuron. Lecture Notes in Computer Science, 2017, , 397-404.	1.3	4
4	Neuronal networks with NMDARs and lateral inhibition implement winner-takes-all. Frontiers in Computational Neuroscience, 2015, 9, 12.	2.1	3
5	Figure-ground discrimination behavior in <i>Drosophila</i> . I. Spatial organization of wing steering responses. Journal of Experimental Biology, 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 Drosophila. Frontiers in Neural Circuits, 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. Proceedings of the IEEE, 2014, 102, 1557-1570.	21.3	1
8	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
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. Frontiers in Neural Circuits, 2012, 6, 79.	2.8	39
11	FigureÂTracking by Flies Is Supported by Parallel Visual Streams. Current Biology, 2012, 22, 482-487.	3.9	61
12	Neural bistability and amplification mediated by NMDA receptors: Analysis of stationary equations. Neurocomputing, 2011, 74, 3058-3071.	5.9	12
13	Optic flow estimation on trajectories generated by bio-inspired closed-loop flight. Biological Cybernetics, 2011, 104, 339-350.	1.3	13
14	Theta motion processing in fruit flies. Frontiers in Behavioral Neuroscience, 2010, 4, .	2.0	19
15	A Model for the Detection of Moving Targets in Visual Clutter Inspired by Insect Physiology. PLoS ONE, 2008, 3, e2784.	2.5	121