Stefan R Pulver

List of Publications by Year
in descending order

22 papers	8,446 citations	623734 14 h-index	752698 20 g-index
26 all docs	26 docs citations	26 times ranked	11433 citing authors

#	Article	IF	Citations
1	Ultrasensitive fluorescent proteins for imaging neuronal activity. Nature, 2013, 499, 295-300.	27.8	5,490
2	Independent optical excitation of distinct neural populations. Nature Methods, 2014, 11, 338-346.	19.0	1,879
3	Temporal Dynamics of Neuronal Activation by Channelrhodopsin-2 and TRPA1 Determine Behavioral Output inDrosophilaLarvae. Journal of Neurophysiology, 2009, 101, 3075-3088.	1.8	237
4	Whole-central nervous system functional imaging in larval Drosophila. Nature Communications, 2015, 6, 7924.	12.8	179
5	Autonomous Circuitry for Substrate Exploration in Freely Moving Drosophila Larvae. Current Biology, 2012, 22, 1861-1870.	3.9	123
6	Imaging fictive locomotor patterns in larvalDrosophila. Journal of Neurophysiology, 2015, 114, 2564-2577.	1.8	110
7	Spike integration and cellular memory in a rhythmic network from Na+/K+ pump current dynamics. Nature Neuroscience, 2010, 13, 53-59.	14.8	91
8	Selective Inhibition Mediates the Sequential Recruitment of Motor Pools. Neuron, 2016, 91, 615-628.	8.1	78
9	Neuromodulatory complement of the pericardial organs in the embryonic lobster,homarus americanus. Journal of Comparative Neurology, 2002, 451, 79-90.	1.6	51
10	Identification of Inhibitory Premotor Interneurons Activated at a Late Phase in a Motor Cycle during Drosophila Larval Locomotion. PLoS ONE, 2015, 10, e0136660.	2.5	41
11	Dopamine and histamine in the developing stomatogastric system of the lobsterHomarus americanus. Journal of Comparative Neurology, 2003, 462, 400-414.	1.6	40
12	High-brightness organic light-emitting diodes for optogenetic control of Drosophila locomotor behaviour. Scientific Reports, 2016, 6, 31117.	3.3	32
13	Narrowband Organic Lightâ€Emitting Diodes for Fluorescence Microscopy and Calcium Imaging. Advanced Materials, 2019, 31, 1903599.	21.0	20
14	Constant amplitude of postsynaptic responses for single presynaptic action potentials but not bursting input during growth of an identified neuromuscular junction in the lobster,Homarus americanus. Journal of Neurobiology, 2005, 62, 47-61.	3.6	16
15	Light Activated Escape Circuits: A Behavior and Neurophysiology Lab Module using Drosophila Optogenetics. Journal of Undergraduate Neuroscience Education: JUNE: A Publication of FUN, Faculty for Undergraduate Neuroscience, 2015, 13, A166-73.	0.0	13
16	Segment-specific optogenetic stimulation in Drosophila melanogaster with linear arrays of organic light-emitting diodes. Nature Communications, 2020, 11, 6248.	12.8	12
17	An electrically coupled pioneer circuit enables motor development via proprioceptive feedback in Drosophila embryos. Current Biology, 2021, 31, 5327-5340.e5.	3.9	12
18	Regulation of coordinated muscular relaxation in Drosophila larvae by a pattern-regulating intersegmental circuit. Nature Communications, 2021, 12, 2943.	12.8	10

#	Article	IF	Citations
19	The fundamentals of flying: simple and inexpensive strategies for employing Drosophila genetics in neuroscience teaching laboratories. Journal of Undergraduate Neuroscience Education: JUNE: A Publication of FUN, Faculty for Undergraduate Neuroscience, 2012, 11, A139-48.	0.0	9
20	Localization of muscarinic acetylcholine receptor-dependent rhythm-generating modules in the Drosophila larval locomotor network. Journal of Neurophysiology, 2022, 127, 1098-1116.	1.8	1
21	Quenchable Neuroscience: Why JUNE Needs to Focus on Getting Indexed in PubMed. Journal of Undergraduate Neuroscience Education: JUNE: A Publication of FUN, Faculty for Undergraduate Neuroscience, 2012, 10, E8.	0.0	0
22	Inexpensive Methods for Live Imaging of Central Pattern Generator Activity in the Larval Locomotor System. Journal of Undergraduate Neuroscience Education: JUNE: A Publication of FUN, Faculty for Undergraduate Neuroscience, 2020, 19, A124-A133.	0.0	0