

Wolf Huetteroth

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

2,486
citations

331670

21
h-index

477307

29
g-index

40
all docs

40
docs citations

40
times ranked

1873
citing authors

#	ARTICLE	IF	CITATIONS
1	Layered reward signalling through octopamine and dopamine in <i>Drosophila</i> . <i>Nature</i> , 2012, 492, 433-437.	27.8	495
2	Activity of Defined Mushroom Body Output Neurons Underlies Learned Olfactory Behavior in <i>Drosophila</i> . <i>Neuron</i> , 2015, 86, 417-427.	8.1	297
3	Sweet Taste and Nutrient Value Subdivide Rewarding Dopaminergic Neurons in <i>Drosophila</i> . <i>Current Biology</i> , 2015, 25, 751-758.	3.9	200
4	Neural correlates of water reward in thirsty <i>Drosophila</i> . <i>Nature Neuroscience</i> , 2014, 17, 1536-1542.	14.8	189
5	Aversive Learning and Appetitive Motivation Toggle Feed-Forward Inhibition in the <i>Drosophila</i> Mushroom Body. <i>Neuron</i> , 2016, 90, 1086-1099.	8.1	171
6	Odor Discrimination in <i>Drosophila</i> : From Neural Population Codes to Behavior. <i>Neuron</i> , 2013, 79, 932-944.	8.1	118
7	A Pair of Inhibitory Neurons Are Required to Sustain Labile Memory in the <i>Drosophila</i> Mushroom Body. <i>Current Biology</i> , 2011, 21, 855-861.	3.9	116
8	Different Kenyon Cell Populations Drive Learned Approach and Avoidance in <i>Drosophila</i> . <i>Neuron</i> , 2013, 79, 945-956.	8.1	104
9	Anisometric brain dimorphism revisited: Implementation of a volumetric 3D standard brain in <i>Manduca sexta</i> . <i>Journal of Comparative Neurology</i> , 2009, 517, 210-225.	1.6	92
10	Standard three-dimensional glomeruli of the <i>Manduca sexta</i> antennal lobe: a tool to study both developmental and adult neuronal plasticity. <i>Cell and Tissue Research</i> , 2005, 319, 513-524.	2.9	70
11	3D standard brain of the red flour beetle <i>Tribolium castaneum</i> : a tool to study metamorphic development and adult plasticity. <i>Frontiers in Systems Neuroscience</i> , 2010, 4, 3.	2.5	68
12	Shocking Revelations and Saccharin Sweetness in the Study of <i>Drosophila</i> Olfactory Memory. <i>Current Biology</i> , 2013, 23, R752-R763.	3.9	62
13	Cockchafer Larvae Smell Host Root Scents in Soil. <i>PLoS ONE</i> , 2012, 7, e45827.	2.5	60
14	Neuropeptides in modulation of <i>Drosophila</i> behavior: how to get a grip on their pleiotropic actions. <i>Current Opinion in Insect Science</i> , 2019, 36, 1-8.	4.4	49
15	Peptidomics-Based Phylogeny and Biogeography of Mantophasmatodea (Hexapoda). <i>Systematic Biology</i> , 2012, 61, 609-629.	5.6	41
16	Masâ€allatotropin in the developing antennal lobe of the sphinx moth <i>Manduca sexta</i> : Distribution, time course, developmental regulation, and colocalization with other neuropeptides. <i>Developmental Neurobiology</i> , 2008, 68, 123-142.	3.0	39
17	Inhibitory muscarinic acetylcholine receptors enhance aversive olfactory learning in adult <i>Drosophila</i> . <i>ELife</i> , 2019, 8, .	6.0	36
18	Hemichannel composition and electrical synaptic transmission: molecular diversity and its implications for electrical rectification. <i>Frontiers in Cellular Neuroscience</i> , 2014, 8, 324.	3.7	35

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19	Brain organization in Collembola (springtails). <i>Arthropod Structure and Development</i> , 2011, 40, 304-316.	1.4	33
20	The insect central complex as model for heterochronic brain development—background, concepts, and tools. <i>Development Genes and Evolution</i> , 2016, 226, 209-219.	0.9	30
21	Direct peptide profiling of lateral cell groups of the antennal lobes of <i>Manduca sexta</i> reveals specific composition and changes in neuropeptide expression during development. <i>Developmental Neurobiology</i> , 2007, 67, 764-777.	3.0	25
22	3D-reconstructions and virtual 4D-visualization to study metamorphic brain development in the sphinx moth <i>Manduca sexta</i> . <i>Frontiers in Systems Neuroscience</i> , 2010, 4, 7.	2.5	24
23	Differential Role for a Defined Lateral Horn Neuron Subset in Na ⁺ -ve Odor Valence in <i>Drosophila</i> . <i>Scientific Reports</i> , 2020, 10, 6147.	3.3	21
24	Conservation of the function counts: homologous neurons express sequence-related neuropeptides that originate from different genes. <i>Journal of Neurochemistry</i> , 2009, 111, 757-765.	3.9	19
25	A 4-dimensional representation of antennal lobe output based on an ensemble of characterized projection neurons. <i>Journal of Neuroscience Methods</i> , 2009, 180, 208-223.	2.5	16
26	Copper/zinc superoxide dismutase-like immunoreactivity in the metamorphosing brain of the sphinx moth <i>Manduca sexta</i> . <i>Journal of Comparative Neurology</i> , 2004, 469, 141-152.	1.6	15
27	Novel antennal lobe substructures revealed in the small hive beetle <i>Aethina tumida</i> . <i>Cell and Tissue Research</i> , 2016, 363, 679-692.	2.9	11
28	The prandial process in flies. <i>Current Opinion in Insect Science</i> , 2019, 36, 157-166.	4.4	11
29	Olfactory stimuli and moonwalker SEZ neurons can drive backward locomotion in <i>Drosophila</i> . <i>Current Biology</i> , 2022, 32, 1131-1149.e7.	3.9	11
30	The Panopticon—Assessing the Effect of Starvation on Prolonged Fly Activity and Place Preference. <i>Frontiers in Behavioral Neuroscience</i> , 2021, 15, 640146.	2.0	1
31	Hungry Flies Tune to Vinegar. <i>Cell</i> , 2011, 145, 17-18.	28.9	0
32	Bringing fly brains in line. <i>Nature Methods</i> , 2011, 8, 461-463.	19.0	0
33	Editorial overview: Neurogenetics of insect behavior: ethology touching base with the scaffold of life. <i>Current Opinion in Insect Science</i> , 2019, 36, iii-iv.	4.4	0