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List of Publications by Year in descending order

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Version: 2024-02-01

62
papers

8,678
citations

94269

37
h-index

143772

57
g-index

90
all docs

90
docs citations

90
times ranked

5322
citing authors

#	ARTICLE	IF	CITATIONS
1	Fly Cell Atlas: A single-nucleus transcriptomic atlas of the adult fruit fly. <i>Science</i> , 2022, 375, eabk2432.	6.0	295
2	Chemoreceptor co-expression in <i>Drosophila melanogaster</i> olfactory neurons. <i>ELife</i> , 2022, 11, .	2.8	57
3	Mating-driven variability in olfactory local interneuron wiring. <i>Science Advances</i> , 2022, 8, eabm7723.	4.7	6
4	Information flow, cell types and stereotypy in a full olfactory connectome. <i>ELife</i> , 2021, 10, .	2.8	92
5	Neurodevelopment: Comparative connectomics and the study of circuit assembly. <i>Current Biology</i> , 2021, 31, R452-R454.	1.8	0
6	Automatic detection of synaptic partners in a whole-brain <i>Drosophila</i> electron microscopy data set. <i>Nature Methods</i> , 2021, 18, 771-774.	9.0	81
7	Circuits for integrating learned and innate valences in the insect brain. <i>ELife</i> , 2021, 10, .	2.8	29
8	Connectomics Analysis Reveals First-, Second-, and Third-Order Thermosensory and Hygrosensory Neurons in the Adult <i>Drosophila</i> Brain. <i>Current Biology</i> , 2020, 30, 3167-3182.e4.	1.8	68
9	Input Connectivity Reveals Additional Heterogeneity of Dopaminergic Reinforcement in <i>Drosophila</i> . <i>Current Biology</i> , 2020, 30, 3200-3211.e8.	1.8	52
10	Complete Connectomic Reconstruction of Olfactory Projection Neurons in the Fly Brain. <i>Current Biology</i> , 2020, 30, 3183-3199.e6.	1.8	128
11	BACTrace, a tool for retrograde tracing of neuronal circuits in <i>Drosophila</i> . <i>Nature Methods</i> , 2020, 17, 1254-1261.	9.0	27
12	Olfactory receptor and circuit evolution promote host specialization. <i>Nature</i> , 2020, 579, 402-408.	13.7	131
13	The natverse, a versatile toolbox for combining and analysing neuroanatomical data. <i>ELife</i> , 2020, 9, .	2.8	139
14	A connectome and analysis of the adult <i>Drosophila</i> central brain. <i>ELife</i> , 2020, 9, .	2.8	596
15	The connectome of the adult <i>Drosophila</i> mushroom body provides insights into function. <i>ELife</i> , 2020, 9, .	2.8	231
16	A Neural Circuit Arbitrates between Persistence and Withdrawal in Hungry <i>Drosophila</i> . <i>Neuron</i> , 2019, 104, 544-558.e6.	3.8	83
17	Neuronal cell types in the fly: single-cell anatomy meets single-cell genomics. <i>Current Opinion in Neurobiology</i> , 2019, 56, 125-134.	2.0	64
18	Behavior: Why Male Flies Sing Different Songs. <i>Current Biology</i> , 2019, 29, R243-R245.	1.8	1

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19	Neurogenetic dissection of the <i>Drosophila</i> lateral horn reveals major outputs, diverse behavioural functions, and interactions with the mushroom body. <i>ELife</i> , 2019, 8, .	2.8	124
20	Functional and anatomical specificity in a higher olfactory centre. <i>ELife</i> , 2019, 8, .	2.8	77
21	Communication from Learned to Innate Olfactory Processing Centers Is Required for Memory Retrieval in <i>Drosophila</i> . <i>Neuron</i> , 2018, 100, 651-668.e8.	3.8	80
22	Integration of Parallel Opposing Memories Underlies Memory Extinction. <i>Cell</i> , 2018, 175, 709-722.e15.	13.5	176
23	A Complete Electron Microscopy Volume of the Brain of Adult <i>Drosophila melanogaster</i> . <i>Cell</i> , 2018, 174, 730-743.e22.	13.5	731
24	Optimization of fluorophores for chemical tagging and immunohistochemistry of <i>Drosophila</i> neurons. <i>PLoS ONE</i> , 2018, 13, e0200759.	1.1	21
25	Olfactory Neurons and Brain Centers Directing Oviposition Decisions in <i>Drosophila</i> . <i>Cell Reports</i> , 2018, 24, 1667-1678.	2.9	48
26	Second-Generation <i>Drosophila</i> Chemical Tags: Sensitivity, Versatility, and Speed. <i>Genetics</i> , 2017, 205, 1399-1408.	1.2	25
27	Facilitating Neuron-Specific Genetic Manipulations in <i>Drosophila melanogaster</i> Using a Split GAL4 Repressor. <i>Genetics</i> , 2017, 206, 775-784.	1.2	51
28	Learning from connectomics on the fly. <i>Current Opinion in Insect Science</i> , 2017, 24, 96-105.	2.2	45
29	Genetically targeted 3D visualisation of <i>Drosophila</i> neurons under Electron Microscopy and X-Ray Microscopy using miniSOG. <i>Scientific Reports</i> , 2016, 6, 38863.	1.6	31
30	NBLAST: Rapid, Sensitive Comparison of Neuronal Structure and Construction of Neuron Family Databases. <i>Neuron</i> , 2016, 91, 293-311.	3.8	246
31	Automatic Segmentation of <i>Drosophila</i> Neural Compartments Using GAL4 Expression Data Reveals Novel Visual Pathways. <i>Current Biology</i> , 2016, 26, 1943-1954.	1.8	76
32	Pheromone processing in <i>Drosophila</i> . <i>Current Opinion in Neurobiology</i> , 2015, 34, 149-157.	2.0	60
33	Insect Olfaction: Telling Food from Foe. <i>Current Biology</i> , 2015, 25, R995-R998.	1.8	0
34	Ultrafast tissue staining with chemical tags. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E3805-14.	3.3	81
35	A Bidirectional Circuit Switch Reroutes Pheromone Signals in Male and Female Brains. <i>Cell</i> , 2013, 155, 1610-1623.	13.5	190
36	A Mutual Information Approach to Automate Identification of Neuronal Clusters in <i>Drosophila</i> Brain Images. <i>Frontiers in Neuroinformatics</i> , 2012, 6, 21.	1.3	15

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37	A strategy for building neuroanatomy ontologies. <i>Bioinformatics</i> , 2012, 28, 1262-1269.	1.8	28
38	Sparse and combinatorial neuron labelling. <i>Current Opinion in Neurobiology</i> , 2012, 22, 101-110.	2.0	51
39	An olfactory receptor for food-derived odours promotes male courtship in <i>Drosophila</i> . <i>Nature</i> , 2011, 478, 236-240.	13.7	345
40	Double Brainbow. <i>Nature Methods</i> , 2011, 8, 217-218.	9.0	6
41	Neuroanatomy: Decoding the Fly Brain. <i>Current Biology</i> , 2011, 21, R19-R20.	1.8	9
42	The DIADEM Data Sets: Representative Light Microscopy Images of Neuronal Morphology to Advance Automation of Digital Reconstructions. <i>Neuroinformatics</i> , 2011, 9, 143-157.	1.5	128
43	Complementary Function and Integrated Wiring of the Evolutionarily Distinct <i>Drosophila</i> Olfactory Subsystems. <i>Journal of Neuroscience</i> , 2011, 31, 13357-13375.	1.7	464
44	Sexual Dimorphism in the Fly Brain. <i>Current Biology</i> , 2010, 20, 1589-1601.	1.8	270
45	Cellular Organization of the Neural Circuit that Drives <i>Drosophila</i> Courtship Behavior. <i>Current Biology</i> , 2010, 20, 1602-1614.	1.8	325
46	Olfactory Information Processing in <i>Drosophila</i> . <i>Current Biology</i> , 2009, 19, R700-R713.	1.8	263
47	<i>Drosophila</i> Olfaction: The End of Stereotypy?. <i>Neuron</i> , 2008, 59, 843-845.	3.8	8
48	Comprehensive Maps of <i>Drosophila</i> Higher Olfactory Centers: Spatially Segregated Fruit and Pheromone Representation. <i>Cell</i> , 2007, 128, 1187-1203.	13.5	605
49	Wiring specificity in the olfactory system. <i>Seminars in Cell and Developmental Biology</i> , 2006, 17, 50-65.	2.3	76
50	Wiring Specificity: Axon-Dendrite Matching Refines the Olfactory Map. <i>Current Biology</i> , 2006, 16, R373-R376.	1.8	6
51	Olfactory Coding: When Smells Collide. <i>Current Biology</i> , 2006, 16, R1000-R1003.	1.8	0
52	Glomerular Maps without Cellular Redundancy at Successive Levels of the <i>Drosophila</i> Larval Olfactory Circuit. <i>Current Biology</i> , 2005, 15, 982-992.	1.8	143
53	Insect Olfaction: A Map of Smell in the Brain. <i>Current Biology</i> , 2005, 15, R668-R670.	1.8	17
54	Insect Olfaction: A Map of Smell in the Brain. <i>Current Biology</i> , 2005, 15, 1886.	1.8	0

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55	Quantitative measurements of alternating finger tapping in Parkinson's disease correlate with UPDRS motor disability and reveal the improvement in fine motor control from medication and deep brain stimulation. <i>Movement Disorders</i> , 2005, 20, 1286-1298.	2.2	166
56	Development of Wiring Specificity of the Drosophila Olfactory System. <i>Chemical Senses</i> , 2005, 30, i94-i94.	1.1	5
57	Developmental origin of wiring specificity in the olfactory system of Drosophila. <i>Development (Cambridge)</i> , 2004, 131, 117-130.	1.2	211
58	NEUROSCIENCE: Calcium and CREST for Healthy Dendrites. <i>Science</i> , 2004, 303, 179-181.	6.0	4
59	From Lineage to Wiring Specificity. <i>Cell</i> , 2003, 112, 157-167.	13.5	150
60	Representation of the Glomerular Olfactory Map in the Drosophila Brain. <i>Cell</i> , 2002, 109, 243-255.	13.5	429
61	Development of neuronal connectivity in Drosophila antennal lobes and mushroom bodies. <i>Current Opinion in Neurobiology</i> , 2002, 12, 80-86.	2.0	96
62	Target neuron prespecification in the olfactory map of Drosophila. <i>Nature</i> , 2001, 414, 204-208.	13.7	382