Andreas S Thum

List of Publications by Year
in descending order

48 papers	2,640 citations	236925 25 h-index	233421 45 g-index
53 all docs	53 docs citations	53 times ranked	2114 citing authors

#	Article	IF	Citations
1	Spatial-data-driven layouting for brain network visualization. Computers and Graphics, 2022, 105, 12-24.	2.5	5
2	Ethanol-guided behavior in Drosophila larvae. Scientific Reports, 2021, 11, 12307.	3.3	10
3	Synchronous and opponent thermosensors use flexible cross-inhibition to orchestrate thermal homeostasis. Science Advances, 2021, 7, .	10.3	16
4	Circuits for integrating learned and innate valences in the insect brain. ELife, 2021, 10, .	6.0	29
5	Controlling the behaviour of Drosophila melanogaster via smartphone optogenetics. Scientific Reports, 2020, 10, 17614.	3.3	13
6	Recurrent architecture for adaptive regulation of learning in the insect brain. Nature Neuroscience, 2020, 23, 544-555.	14.8	108
7	Identification of Dopaminergic Neurons That Can Both Establish Associative Memory and Acutely Terminate Its Behavioral Expression. Journal of Neuroscience, 2020, 40, 5990-6006.	3.6	25
8	Food restriction reconfigures naÃ¯ve and learned choice behavior in Drosophila larvae. Journal of Neurogenetics, 2020, 34, 123-132.	1.4	1
9	Reward signaling in a recurrent circuit of dopaminergic neurons and peptidergic Kenyon cells. Nature Communications, 2019, 10, 3097.	12.8	34
10	MEK inhibitor cobimetinib rescues a dR af mutant lethal phenotype in Drosophila melanogaster. Experimental Dermatology, 2019, 28, 1079-1082.	2.9	1
11	Reversal learning in <i>Drosophila</i> larvae. Learning and Memory, 2019, 26, 424-435.	1.3	19
12	Drosophila melanogaster cloak their eggs with pheromones, which prevents cannibalism. PLoS Biology, 2019, 17, e2006012.	5.6	27
13	Connectomics and function of a memory network: the mushroom body of larval Drosophila. Current Opinion in Neurobiology, 2019, 54, 146-154.	4.2	65
14	Connectomics: Arrested Development. Current Biology, 2019, 29, R90-R92.	3.9	0
15	Functional architecture of reward learning in mushroom body extrinsic neurons of larval Drosophila. Nature Communications, 2018, 9, 1104.	12.8	113
16	Odor-taste learning in Drosophila larvae. Journal of Insect Physiology, 2018, 106, 47-54.	2.0	43
17	larvalign: Aligning Gene Expression Patterns from the Larval Brain of Drosophila melanogaster. Neuroinformatics, 2018, 16, 65-80.	2.8	8
18	Maggot Instructor: Semi-Automated Analysis of Learning and Memory in Drosophila Larvae. Frontiers in Psychology, 2018, 9, 1010.	2.1	4

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19	A map of sensilla and neurons in the taste system of <i>drosophila</i> larvae. Journal of Comparative Neurology, 2017, 525, 3865-3889.	1.6	20
20	The complete connectome of a learning and memory centre in an insect brain. Nature, 2017, 548, 175-182.	27.8	424
21	The Ol1mpiad: concordance of behavioural faculties of stage 1 and stage 3<i>Drosophila</i>larvae. Journal of Experimental Biology, 2017, 220, 2452-2475.	1.7	48
22	Anatomy and behavioral function of serotonin receptors in Drosophila melanogaster larvae. PLoS ONE, 2017, 12, e0181865.	2.5	33
23	Caffeine Taste Signaling in Drosophila Larvae. Frontiers in Cellular Neuroscience, 2016, 10, 193.	3.7	28
24	Genetic Dissection of Aversive Associative Olfactory Learning and Memory in Drosophila Larvae. PLoS Genetics, 2016, 12, e1006378.	3.5	45
25	Four Individually Identified Paired Dopamine Neurons Signal Reward in Larval Drosophila. Current Biology, 2016, 26, 661-669.	3.9	96
26	Neuropeptide F neurons modulate sugar reward during associative olfactory learning ofDrosophilalarvae. Journal of Comparative Neurology, 2015, 523, Spc1-Spc1.	1.6	0
27	Neuropeptide F neurons modulate sugar reward during associative olfactory learning of <i>Drosophila</i> larvae. Journal of Comparative Neurology, 2015, 523, 2637-2664.	1.6	27
28	Taste processing in Drosophila larvae. Frontiers in Integrative Neuroscience, 2015, 9, 50.	2.1	32
29	The neuronal and molecular basis of quinine-dependent bitter taste signaling in Drosophila larvae. Frontiers in Behavioral Neuroscience, 2014, 8, 6.	2.0	44
30	Immediate and punitive impact of mechanosensory disturbance on olfactory behaviour of larval Drosophila. Biology Open, 2014, 3, 1005-1010.	1.2	6
31	Characterization of the octopaminergic and tyraminergic neurons in the central brain of <i>Drosophila</i> larvae. Journal of Comparative Neurology, 2014, 522, 3485-3500.	1.6	61
32	Composition of agarose substrate affects behavioral output of Drosophila larvae. Frontiers in Behavioral Neuroscience, 2014, 8, 11.	2.0	19
33	Appetitive Associative Olfactory Learning in Drosophila Larvae. Journal of Visualized Experiments, 2013, , .	0.3	25
34	Mushroom body miscellanea: transgenic Drosophila strains expressing anatomical and physiological sensor proteins in Kenyon cells. Frontiers in Neural Circuits, 2013, 7, 147.	2.8	27
35	Consolidated and Labile Odor Memory Are Separately Encoded within the<i>Drosophila</i>Brain. Journal of Neuroscience, 2012, 32, 17163-17171.	3.6	38
36	Nutritional Value-Dependent and Nutritional Value-Independent Effects on Drosophila melanogaster Larval Behavior. Chemical Senses, 2012, 37, 711-721.	2.0	41

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37	The Role of octopamine and tyramine in <i>Drosophila</i> larval locomotion. Journal of Comparative Neurology, 2012, 520, 3764-3785.	1.6	69
38	The Serotonergic Central Nervous System of the Drosophila Larva: Anatomy and Behavioral Function. PLoS ONE, 2012, 7, e47518.	2.5	72
39	Capacity of visual classical conditioning in Drosophila larvae.. Behavioral Neuroscience, 2011, 125, 921-929.	1.2	36
40	Diversity, variability, and suboesophageal connectivity of antennal lobe neurons in <i>D. melanogaster</i> larvae. Journal of Comparative Neurology, 2011, 519, 3415-3432.	1.6	25
41	A behavior-based circuit model of how outcome expectations organize learned behavior in larval <i>Drosophila</i>. Learning and Memory, 2011, 18, 639-653.	1.3	71
42	<i>Drosophila</i>Larvae Establish Appetitive Olfactory Memories via Mushroom Body Neurons of Embryonic Origin. Journal of Neuroscience, 2010, 30, 10655-10666.	3.6	83
43	Electric Shock-Induced Associative Olfactory Learning in Drosophila Larvae. Chemical Senses, 2010, 35, 335-346.	2.0	34
44	The Role of Dopamine in Drosophila Larval Classical Olfactory Conditioning. PLoS ONE, 2009, 4, e5897.	2.5	168
45	The Neural Substrate of Spectral Preference in Drosophila. Neuron, 2008, 60, 328-342.	8.1	274
46	Distinct Roles for Two Histamine Receptors (<i>hclA</i>and<i>hclB</i>) at the<i>Drosophila</i>Photoreceptor Synapse. Journal of Neuroscience, 2008, 28, 7250-7259.	3.6	84
47	Multiple Memory Traces for Olfactory Reward Learning in<i>Drosophila</i>. Journal of Neuroscience, 2007, 27, 11132-11138.	3.6	104
48	Differential potencies of effector genes in adultDrosophila. Journal of Comparative Neurology, 2006, 498, 194-203.	1.6	65