

Yoshinori Aso

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

48
papers

5,168
citations

29
h-index

60
g-index

60
ext. papers

6,951
ext. citations

13.6
avg, IF

5.31
L-index

#	Paper	IF	Citations
48	Transsynaptic mapping of mushroom body output neurons. <i>ELife</i> , 2021 , 10,	8.9	13
47	Toward nanoscale localization of memory engrams in. <i>Journal of Neurogenetics</i> , 2020 , 34, 151-155	1.6	5
46	Conservation and divergence of related neuronal lineages in the central brain. <i>ELife</i> , 2020 , 9,	8.9	10
45	Cell types and neuronal circuitry underlying female aggression in. <i>ELife</i> , 2020 , 9,	8.9	21
44	The connectome of the adult <i>Drosophila</i> mushroom body provides insights into function. <i>ELife</i> , 2020 , 9,	8.9	70
43	BACTrace, a tool for retrograde tracing of neuronal circuits in <i>Drosophila</i> . <i>Nature Methods</i> , 2020 , 17, 1254-1261	12.6	16
42	Neurogenetic dissection of the lateral horn reveals major outputs, diverse behavioural functions, and interactions with the mushroom body. <i>ELife</i> , 2019 , 8,	8.9	73
41	Nitric oxide acts as a cotransmitter in a subset of dopaminergic neurons to diversify memory dynamics. <i>ELife</i> , 2019 , 8,	8.9	41
40	Cortical column and whole-brain imaging with molecular contrast and nanoscale resolution. <i>Science</i> , 2019 , 363,	33.3	181
39	Functional architecture of reward learning in mushroom body extrinsic neurons of larval <i>Drosophila</i> . <i>Nature Communications</i> , 2018 , 9, 1104	17.4	65
38	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	13.9	51
37	Reinforcement signaling of punishment versus relief in fruit flies. <i>Learning and Memory</i> , 2018 , 25, 247-257	7.8	20
36	Representations of Novelty and Familiarity in a Mushroom Body Compartment. <i>Cell</i> , 2017 , 169, 956-969.e17	16.7	69
35	Localization, Diversity, and Behavioral Expression of Associative Engrams in <i>Drosophila</i> 2017 , 463-473		5
34	A connectome of a learning and memory center in the adult brain. <i>ELife</i> , 2017 , 6,	8.9	198
33	Author response: A connectome of a learning and memory center in the adult <i>Drosophila</i> brain 2017 ,		3
32	Direct neural pathways convey distinct visual information to <i>Drosophila</i> mushroom bodies. <i>ELife</i> , 2016 , 5,	8.9	81

31	Dopaminergic neurons write and update memories with cell-type-specific rules. <i>ELife</i> , 2016 , 5,	8.9	126
30	Plasticity-driven individualization of olfactory coding in mushroom body output neurons. <i>Nature</i> , 2015 , 526, 258-62	50.4	95
29	Propagation of Homeostatic Sleep Signals by Segregated Synaptic Microcircuits of the Drosophila Mushroom Body. <i>Current Biology</i> , 2015 , 25, 2915-27	6.3	82
28	A Higher Brain Circuit for Immediate Integration of Conflicting Sensory Information in Drosophila. <i>Current Biology</i> , 2015 , 25, 2203-14	6.3	105
27	Control of Sleep by Dopaminergic Inputs to the Drosophila Mushroom Body. <i>Frontiers in Neural Circuits</i> , 2015 , 9, 73	3.5	46
26	Distinct dopamine neurons mediate reward signals for short- and long-term memories. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 578-83	11.5	135
25	A dopamine-modulated neural circuit regulating aversive taste memory in Drosophila. <i>Current Biology</i> , 2015 , 25, 1535-41	6.3	60
24	Heterosynaptic Plasticity Underlies Aversive Olfactory Learning in Drosophila. <i>Neuron</i> , 2015 , 88, 985-998	13.9	189
23	Reward signal in a recurrent circuit drives appetitive long-term memory formation. <i>ELife</i> , 2015 , 4, e10718	8.9	81
22	Shared mushroom body circuits underlie visual and olfactory memories in Drosophila. <i>ELife</i> , 2014 , 3, e02895	8.9	106
21	The neuronal architecture of the mushroom body provides a logic for associative learning. <i>ELife</i> , 2014 , 3, e04577	8.9	538
20	Mushroom body output neurons encode valence and guide memory-based action selection in Drosophila. <i>ELife</i> , 2014 , 3, e04580	8.9	369
19	Author response: Mushroom body output neurons encode valence and guide memory-based action selection in Drosophila 2014 ,		4
18	Author response: The neuronal architecture of the mushroom body provides a logic for associative learning 2014 ,		2
17	Essential role of the mushroom body in context-dependent CO ₂ avoidance in Drosophila. <i>Current Biology</i> , 2013 , 23, 1228-34	6.3	78
16	A GAL4-driver line resource for Drosophila neurobiology. <i>Cell Reports</i> , 2012 , 2, 991-1001	10.6	897
15	A subset of dopamine neurons signals reward for odour memory in Drosophila. <i>Nature</i> , 2012 , 488, 512-6	50.4	373
14	Three dopamine pathways induce aversive odor memories with different stability. <i>PLoS Genetics</i> , 2012 , 8, e1002768	6	167

13	Slow oscillations in two pairs of dopaminergic neurons gate long-term memory formation in <i>Drosophila</i> . <i>Nature Neuroscience</i> , 2012 , 15, 592-9	25.5	110
12	Mushroom body efferent neurons responsible for aversive olfactory memory retrieval in <i>Drosophila</i> . <i>Nature Neuroscience</i> , 2011 , 14, 903-10	25.5	175
11	Specific dopaminergic neurons for the formation of labile aversive memory. <i>Current Biology</i> , 2010 , 20, 1445-51	6.3	207
10	The mushroom body of adult <i>Drosophila</i> characterized by GAL4 drivers. <i>Journal of Neurogenetics</i> , 2009 , 23, 156-72	1.6	248
9	Cortical Column and Whole Brain Imaging of Neural Circuits with Molecular Contrast and Nanoscale Resolution		
8	Neurogenetic dissection of the <i>Drosophila</i> innate olfactory processing center		3
7	Neuronal circuitry underlying female aggression in <i>Drosophila</i>		1
6	BACTrace a new tool for retrograde tracing of neuronal circuits		2
5	An image resource of subdivided <i>Drosophila</i> GAL4-driver expression patterns for neuron-level searches		10
4	The connectome of the adult <i>Drosophila</i> mushroom body: implications for function		9
3	Transsynaptic mapping of <i>Drosophila</i> mushroom body output neurons		2
2	Neural circuit basis of aversive odour processing in <i>Drosophila</i> from sensory input to descending output		23
1	Communication from learned to innate olfactory processing centers is required for memory retrieval in <i>Drosophila</i>		4