Yoshinori Aso

List of Publications by Citations

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	A GAL4-driver line resource for Drosophila neurobiology. *Cell Reports*, **2012**, 2, 991-1001	10.6	897
47	The neuronal architecture of the mushroom body provides a logic for associative learning. *ELife*, **2014**, 3, e04577	8.9	538
46	A subset of dopamine neurons signals reward for odour memory in Drosophila. *Nature*, **2012**, 488, 512-6	50.4	373
45	Mushroom body output neurons encode valence and guide memory-based action selection in Drosophila. *ELife*, **2014**, 3, e04580	8.9	369
44	The mushroom body of adult Drosophila characterized by GAL4 drivers. *Journal of Neurogenetics*, **2009**, 23, 156-72	1.6	248
43	Specific dopaminergic neurons for the formation of labile aversive memory. *Current Biology*, **2010**, 20, 1445-51	6.3	207
42	A connectome of a learning and memory center in the adult brain. *ELife*, **2017**, 6,	8.9	198
41	Heterosynaptic Plasticity Underlies Aversive Olfactory Learning in Drosophila. *Neuron*, **2015**, 88, 985-998	13.9	189
40	Cortical column and whole-brain imaging with molecular contrast and nanoscale resolution. *Science*, **2019**, 363,	33.3	181
39	Mushroom body efferent neurons responsible for aversive olfactory memory retrieval in Drosophila. *Nature Neuroscience*, **2011**, 14, 903-10	25.5	175
38	Three dopamine pathways induce aversive odor memories with different stability. *PLoS Genetics*, **2012**, 8, e1002768	6	167
37	Distinct dopamine neurons mediate reward signals for short- and long-term memories. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 578-83	11.5	135
36	Dopaminergic neurons write and update memories with cell-type-specific rules. *ELife*, **2016**, 5,	8.9	126
35	Slow oscillations in two pairs of dopaminergic neurons gate long-term memory formation in Drosophila. *Nature Neuroscience*, **2012**, 15, 592-9	25.5	110
34	Shared mushroom body circuits underlie visual and olfactory memories in Drosophila. *ELife*, **2014**, 3, e02395	8.9	106
33	A Higher Brain Circuit for Immediate Integration of Conflicting Sensory Information in Drosophila. *Current Biology*, **2015**, 25, 2203-14	6.3	105
32	Plasticity-driven individualization of olfactory coding in mushroom body output neurons. *Nature*, **2015**, 526, 258-62	50.4	95

31	Propagation of Homeostatic Sleep Signals by Segregated Synaptic Microcircuits of the Drosophila Mushroom Body. *Current Biology*, **2015**, 25, 2915-27	6.3	82
30	Reward signal in a recurrent circuit drives appetitive long-term memory formation. *ELife*, **2015**, 4, e10719	8.9	81
29	Direct neural pathways convey distinct visual information to Drosophila mushroom bodies. *ELife*, **2016**, 5,	8.9	81
28	Essential role of the mushroom body in context-dependent CO□avoidance in Drosophila. *Current Biology*, **2013**, 23, 1228-34	6.3	78
27	Neurogenetic dissection of the lateral horn reveals major outputs, diverse behavioural functions, and interactions with the mushroom body. *ELife*, **2019**, 8,	8.9	73
26	The connectome of the adult Drosophila mushroom body provides insights into function. *ELife*, **2020**, 9,	8.9	70
25	Representations of Novelty and Familiarity in a Mushroom Body Compartment. *Cell*, **2017**, 169, 956-969.e17	36.2	69
24	Functional architecture of reward learning in mushroom body extrinsic neurons of larval Drosophila. *Nature Communications*, **2018**, 9, 1104	17.4	65
23	A dopamine-modulated neural circuit regulating aversive taste memory in Drosophila. *Current Biology*, **2015**, 25, 1535-41	6.3	60
22	Communication from Learned to Innate Olfactory Processing Centers Is Required for Memory Retrieval in Drosophila. *Neuron*, **2018**, 100, 651-668.e8	13.9	51
21	Control of Sleep by Dopaminergic Inputs to the Drosophila Mushroom Body. *Frontiers in Neural Circuits*, **2015**, 9, 73	3.5	46
20	Nitric oxide acts as a cotransmitter in a subset of dopaminergic neurons to diversify memory dynamics. *ELife*, **2019**, 8,	8.9	41
19	Neural circuit basis of aversive odour processing in Drosophila from sensory input to descending output		23
18	Cell types and neuronal circuitry underlying female aggression in. *ELife*, **2020**, 9,	8.9	21
17	Reinforcement signaling of punishment versus relief in fruit flies. *Learning and Memory*, **2018**, 25, 247-257	2.8	20
16	Transsynaptic mapping of mushroom body output neurons. *ELife*, **2021**, 10,	8.9	13
15	Conservation and divergence of related neuronal lineages in the central brain. *ELife*, **2020**, 9,	8.9	10
14	An image resource of subdivided Drosophila GAL4-driver expression patterns for neuron-level searches		10

13	The connectome of the adult Drosophila mushroom body: implications for function		9
12	BAcTrace, a tool for retrograde tracing of neuronal circuits in Drosophila. *Nature Methods*, **2020**, 17, 1254-1261	11.2	6
11	Toward nanoscale localization of memory engrams in. *Journal of Neurogenetics*, **2020**, 34, 151-155	1.6	5
10	Localization, Diversity, and Behavioral Expression of Associative Engrams in Drosophila **2017**, 463-473		5
9	Author response: Mushroom body output neurons encode valence and guide memory-based action selection in Drosophila **2014**,		4
8	Communication from learned to innate olfactory processing centers is required for memory retrieval in Drosophila		4
7	Author response: A connectome of a learning and memory center in the adult Drosophila brain **2017**,		3
6	Neurogenetic dissection of the Drosophila innate olfactory processing center		3
5	BAcTrace a new tool for retrograde tracing of neuronal circuits		2
4	Transsynaptic mapping ofDrosophilamushroom body output neurons		2
3	Author response: The neuronal architecture of the mushroom body provides a logic for associative learning **2014**,		2
2	Cortical Column and Whole Brain Imaging of Neural Circuits with Molecular Contrast and Nanoscale Resolution		1
1	Neuronal circuitry underlying female aggression in Drosophila		1