

Yoshinori Aso

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

7,930
citations

159585

30
h-index

345221

36
g-index

60
all docs

60
docs citations

60
times ranked

4393
citing authors

#	ARTICLE	IF	CITATIONS
1	A GAL4-Driver Line Resource for Drosophila Neurobiology. Cell Reports, 2012, 2, 991-1001.	6.4	1,287
2	The neuronal architecture of the mushroom body provides a logic for associative learning. ELife, 2014, 3, e04577.	6.0	833
3	Mushroom body output neurons encode valence and guide memory-based action selection in Drosophila. ELife, 2014, 3, e04580.	6.0	576
4	A subset of dopamine neurons signals reward for odour memory in Drosophila. Nature, 2012, 488, 512-516.	27.8	520
5	The Mushroom Body of Adult <i>Drosophila</i> Characterized by GAL4 Drivers. Journal of Neurogenetics, 2009, 23, 156-172.	1.4	322
6	A connectome of a learning and memory center in the adult Drosophila brain. ELife, 2017, 6, .	6.0	308
7	Heterosynaptic Plasticity Underlies Aversive Olfactory Learning in Drosophila. Neuron, 2015, 88, 985-998.	8.1	294
8	Cortical column and whole-brain imaging with molecular contrast and nanoscale resolution. Science, 2019, 363, .	12.6	277
9	Specific Dopaminergic Neurons for the Formation of Labile Aversive Memory. Current Biology, 2010, 20, 1445-1451.	3.9	273
10	Mushroom body efferent neurons responsible for aversive olfactory memory retrieval in Drosophila. Nature Neuroscience, 2011, 14, 903-910.	14.8	244
11	Three Dopamine Pathways Induce Aversive Odor Memories with Different Stability. PLoS Genetics, 2012, 8, e1002768.	3.5	239
12	Dopaminergic neurons write and update memories with cell-type-specific rules. ELife, 2016, 5, .	6.0	235
13	The connectome of the adult Drosophila mushroom body provides insights into function. ELife, 2020, 9, .	6.0	231
14	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, 578-583.	7.1	205
15	Shared mushroom body circuits underlie visual and olfactory memories in Drosophila. ELife, 2014, 3, e02395.	6.0	158
16	Plasticity-driven individualization of olfactory coding in mushroom body output neurons. Nature, 2015, 526, 258-262.	27.8	142
17	A Higher Brain Circuit for Immediate Integration of Conflicting Sensory Information in Drosophila. Current Biology, 2015, 25, 2203-2214.	3.9	142
18	Slow oscillations in two pairs of dopaminergic neurons gate long-term memory formation in Drosophila. Nature Neuroscience, 2012, 15, 592-599.	14.8	137

#	ARTICLE	IF	CITATIONS
19	Propagation of Homeostatic Sleep Signals by Segregated Synaptic Microcircuits of the <i>Drosophila</i> Mushroom Body. <i>Current Biology</i> , 2015, 25, 2915-2927.	3.9	133
20	Reward signal in a recurrent circuit drives appetitive long-term memory formation. <i>ELife</i> , 2015, 4, e10719.	6.0	127
21	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, .	6.0	124
22	Direct neural pathways convey distinct visual information to <i>Drosophila</i> mushroom bodies. <i>ELife</i> , 2016, 5, .	6.0	119
23	Representations of Novelty and Familiarity in a Mushroom Body Compartment. <i>Cell</i> , 2017, 169, 956-969.e17.	28.9	113
24	Functional architecture of reward learning in mushroom body extrinsic neurons of larval <i>Drosophila</i> . <i>Nature Communications</i> , 2018, 9, 1104.	12.8	113
25	Essential Role of the Mushroom Body in Context-Dependent CO ₂ Avoidance in <i>Drosophila</i> . <i>Current Biology</i> , 2013, 23, 1228-1234.	3.9	102
26	Nitric oxide acts as a cotransmitter in a subset of dopaminergic neurons to diversify memory dynamics. <i>ELife</i> , 2019, 8, .	6.0	91
27	A Dopamine-Modulated Neural Circuit Regulating Aversive Taste Memory in <i>Drosophila</i> . <i>Current Biology</i> , 2015, 25, 1535-1541.	3.9	82
28	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.	8.1	80
29	Control of Sleep by Dopaminergic Inputs to the <i>Drosophila</i> Mushroom Body. <i>Frontiers in Neural Circuits</i> , 2015, 9, 73.	2.8	77
30	Cell types and neuronal circuitry underlying female aggression in <i>Drosophila</i> . <i>ELife</i> , 2020, 9, .	6.0	62
31	Reinforcement signaling of punishment versus relief in fruit flies. <i>Learning and Memory</i> , 2018, 25, 247-257.	1.3	33
32	Transsynaptic mapping of <i>Drosophila</i> mushroom body output neurons. <i>ELife</i> , 2021, 10, .	6.0	29
33	Conservation and divergence of related neuronal lineages in the <i>Drosophila</i> central brain. <i>ELife</i> , 2020, 9, .	6.0	29
34	BACTrace, a tool for retrograde tracing of neuronal circuits in <i>Drosophila</i> . <i>Nature Methods</i> , 2020, 17, 1254-1261.	19.0	27
35	Toward nanoscale localization of memory engrams in <i>Drosophila</i> . <i>Journal of Neurogenetics</i> , 2020, 34, 151-155.	1.4	12
36	Localization, Diversity, and Behavioral Expression of Associative Engrams in <i>Drosophila</i> . , 2017, , 463-473.		7