

Sarah M Farris

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

2,347
citations

257450

24
h-index

501196

28
g-index

28
all docs

28
docs citations

28
times ranked

1586
citing authors

#	ARTICLE	IF	CITATIONS
1	Ontogeny of orientation flight in the honeybee revealed by harmonic radar. <i>Nature</i> , 2000, 403, 537-540.	27.8	289
2	Experience- and Age-Related Outgrowth of Intrinsic Neurons in the Mushroom Bodies of the Adult Worker Honeybee. <i>Journal of Neuroscience</i> , 2001, 21, 6395-6404.	3.6	268
3	Ground plan of the insect mushroom body: Functional and evolutionary implications. <i>Journal of Comparative Neurology</i> , 2009, 513, 265-291.	1.6	200
4	Parasitoidism, not sociality, is associated with the evolution of elaborate mushroom bodies in the brains of hymenopteran insects. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2011, 278, 940-951.	2.6	132
5	Coevolution of generalist feeding ecologies and gyrencephalic mushroom bodies in insects. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 17394-17399.	7.1	129
6	Experience-Expectant Plasticity in the Mushroom Bodies of the Honeybee. <i>Learning and Memory</i> , 1998, 5, 115-123.	1.3	124
7	Evolution of insect mushroom bodies: old clues, new insights. <i>Arthropod Structure and Development</i> , 2005, 34, 211-234.	1.4	122
8	Development and evolution of the insect mushroom bodies: towards the understanding of conserved developmental mechanisms in a higher brain center. <i>Arthropod Structure and Development</i> , 2003, 32, 79-101.	1.4	101
9	Miniaturization of Nervous Systems and Neurons. <i>Current Biology</i> , 2012, 22, R323-R329.	3.9	88
10	Are mushroom bodies cerebellum-like structures?. <i>Arthropod Structure and Development</i> , 2011, 40, 368-379.	1.4	87
11	Evolution of Complex Higher Brain Centers and Behaviors: Behavioral Correlates of Mushroom Body Elaboration in Insects. <i>Brain, Behavior and Evolution</i> , 2013, 82, 9-18.	1.7	77
12	Limits on volume changes in the mushroom bodies of the honey bee brain. <i>Journal of Neurobiology</i> , 2003, 57, 141-151.	3.6	69
13	Taurine-, aspartate- and glutamate-like immunoreactivity identifies chemically distinct subdivisions of Kenyon cells in the cockroach mushroom body. <i>Journal of Comparative Neurology</i> , 2001, 439, 352-367.	1.6	68
14	Development of laminar organization in the mushroom bodies of the cockroach: Kenyon cell proliferation, outgrowth, and maturation. <i>Journal of Comparative Neurology</i> , 2001, 439, 331-351.	1.6	62
15	Development and morphology of Class II Kenyon cells in the mushroom bodies of the honey bee, <i>Apis mellifera</i> . <i>Journal of Comparative Neurology</i> , 2004, 474, 325-339.	1.6	60
16	A unique mushroom body substructure common to basal cockroaches and to termites. <i>Journal of Comparative Neurology</i> , 2003, 456, 305-320.	1.6	56
17	Expansion of the neuropil of the mushroom bodies in male honey bees is coincident with initiation of flight. <i>Neuroscience Letters</i> , 1997, 236, 135-138.	2.1	52
18	Insect societies and the social brain. <i>Current Opinion in Insect Science</i> , 2016, 15, 1-8.	4.4	52

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19	Structural, Functional and Developmental Convergence of the Insect Mushroom Bodies with Higher Brain Centers of Vertebrates. <i>Brain, Behavior and Evolution</i> , 2008, 72, 1-15.	1.7	51
20	Tritocerebral tract input to the insect mushroom bodies. <i>Arthropod Structure and Development</i> , 2008, 37, 492-503.	1.4	49
21	Developmental organization of the mushroom bodies of <i>Thermobia domestica</i> (Zygentoma). <i>Tj ETQq1 1 0.784314 rgBT /Overl</i> <i>Developmental Neurobiology</i> , 2005, 7, 150-159.	2.0	44
22	Evolutionary Convergence of Higher Brain Centers Spanning the Protostome-Deuterostome Boundary. <i>Brain, Behavior and Evolution</i> , 2008, 72, 106-122.	1.7	44
23	Metamorphosis and adult development of the mushroom bodies of the red flour beetle, <i>Tribolium castaneum</i> . <i>Developmental Neurobiology</i> , 2008, 68, 1487-1502.	3.0	39
24	Evolution of brain elaboration. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2015, 370, 20150054.	4.0	33
25	Evolution and function of the insect mushroom bodies: contributions from comparative and model systems studies. <i>Current Opinion in Insect Science</i> , 2015, 12, 19-25.	4.4	27
26	The rise to dominance of genetic model organisms and the decline of curiosity-driven organismal research. <i>PLoS ONE</i> , 2020, 15, e0243088.	2.5	13
27	A subpopulation of mushroom body intrinsic neurons is generated by protocerebral neuroblasts in the tobacco hornworm moth, <i>Manduca sexta</i> (Sphingidae, Lepidoptera). <i>Arthropod Structure and Development</i> , 2011, 40, 395-408.	1.4	8
28	Locusts Provide Clues to Insect Mushroom Body Function. <i>Brain, Behavior and Evolution</i> , 2011, 77, 3-4.	1.7	3