

Yun Zhang

List of Publications by Year in descending order

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33
papers

2,361
citations

394421

19
h-index

395702

33
g-index

39
all docs

39
docs citations

39
times ranked

1877
citing authors

#	ARTICLE	IF	CITATIONS
1	Redundant neural circuits regulate olfactory integration. PLoS Genetics, 2022, 18, e1010029.	3.5	7
2	Forgetting generates a novel state that is reactivatable. Science Advances, 2022, 8, eabi9071.	10.3	9
3	Deorphanization of novel biogenic amine-gated ion channels identifies a new serotonin receptor for learning. Current Biology, 2021, 31, 4282-4292.e6.	3.9	13
4	Neuronal control of maternal provisioning in response to social cues. Science Advances, 2021, 7, .	10.3	2
5	NMDAR-mediated modulation of gap junction circuit regulates olfactory learning in <i>C. elegans</i> . Nature Communications, 2020, 11, 3467.	12.8	19
6	Global regulatory features of alternative splicing across tissues and within the nervous system of <i>C. elegans</i> . Genome Research, 2020, 30, 1766-1780.	5.5	8
7	What can a worm learn in a bacteria-rich habitat?. Journal of Neurogenetics, 2020, 34, 369-377.	1.4	8
8	<i>C. elegans</i> aversive olfactory learning generates diverse intergenerational effects. Journal of Neurogenetics, 2020, 34, 378-388.	1.4	22
9	Nature's gift to neuroscience. Journal of Neurogenetics, 2020, 34, 223-224.	1.4	1
10	Pheromones Modulate Learning by Regulating the Balanced Signals of Two Insulin-like Peptides. Neuron, 2019, 104, 1095-1109.e5.	8.1	29
11	Molecular and cellular modulators for multisensory integration in <i>C. elegans</i> . PLoS Genetics, 2019, 15, e1007706.	3.5	22
12	Neuronal subcompartmentalization: a strategy to optimize neuronal function. Biological Reviews, 2019, 94, 1023-1037.	10.4	27
13	Cholinergic Sensorimotor Integration Regulates Olfactory Steering. Neuron, 2018, 97, 390-405.e3.	8.1	46
14	Thioredoxin shapes the <i>C. elegans</i> sensory response to <i>Pseudomonas</i> produced nitric oxide. ELife, 2018, 7, .	6.0	41
15	Multisensory integration in <i>C. elegans</i> . Current Opinion in Neurobiology, 2017, 43, 110-118.	4.2	39
16	An Elongin-Cullin-SOCS Box Complex Regulates Stress-Induced Serotonergic Neuromodulation. Cell Reports, 2017, 21, 3089-3101.	6.4	12
17	An Aversive Response to Osmotic Upshift in <i>Caenorhabditis elegans</i> . ENeuro, 2017, 4, ENEURO.0282-16.2017.	1.9	14
18	An extrasynaptic GABAergic signal modulates a pattern of forward movement in <i>Caenorhabditis elegans</i> . ELife, 2016, 5, .	6.0	44

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19	Sensory systems: their impact on <i>C. elegans</i> survival. <i>Neuroscience</i> , 2015, 296, 15-25.	2.3	19
20	An Insulin-to-Insulin Regulatory Network Orchestrates Phenotypic Specificity in Development and Physiology. <i>PLoS Genetics</i> , 2014, 10, e1004225.	3.5	90
21	Dissecting the Signaling Mechanisms Underlying Recognition and Preference of Food Odors. <i>Journal of Neuroscience</i> , 2014, 34, 9389-9403.	3.6	42
22	Dynamic Encoding of Perception, Memory, and Movement in a <i>C. elegans</i> Chemotaxis Circuit. <i>Neuron</i> , 2014, 82, 1115-1128.	8.1	121
23	A Neuronal Signaling Pathway of CaMKII and Gq β Regulates Experience-Dependent Transcription of <i> tph-1 </i> . <i>Journal of Neuroscience</i> , 2013, 33, 925-935.	3.6	25
24	Two Insulin-like Peptides Antagonistically Regulate Aversive Olfactory Learning in <i>C. elegans</i> . <i>Neuron</i> , 2013, 77, 572-585.	8.1	121
25	Complex RIA calcium dynamics and its function in navigational behavior. <i>Worm</i> , 2013, 2, e25546.	1.0	16
26	DBL-1, a TGF β , is essential for <i>Caenorhabditis elegans</i> aversive olfactory learning. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 17081-17086.	7.1	53
27	Compartmentalized calcium dynamics in a <i>C. elegans</i> interneuron encode head movement. <i>Nature</i> , 2012, 487, 99-103.	27.8	147
28	Specific insulin-like peptides encode sensory information to regulate distinct developmental processes. <i>Development (Cambridge)</i> , 2011, 138, 1183-1193.	2.5	124
29	Functional Organization of a Neural Network for Aversive Olfactory Learning in <i>Caenorhabditis elegans</i> . <i>Neuron</i> , 2010, 68, 1173-1186.	8.1	152
30	Neuronal mechanisms of <i>Caenorhabditis elegans</i> and pathogenic bacteria interactions. <i>Current Opinion in Microbiology</i> , 2008, 11, 257-261.	5.1	29
31	Olfactory Behavior of Swimming <i>C. elegans</i> Analyzed by Measuring Motile Responses to Temporal Variations of Odorants. <i>Journal of Neurophysiology</i> , 2008, 99, 2617-2625.	1.8	57
32	Detection and avoidance of a natural product from the pathogenic bacterium <i>Serratia marcescens</i> by <i>Caenorhabditis elegans</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 2295-2300.	7.1	320
33	Pathogenic bacteria induce aversive olfactory learning in <i>Caenorhabditis elegans</i> . <i>Nature</i> , 2005, 438, 179-184.	27.8	679