

Jagan Srinivasan

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

2,323
citations

304743

22
h-index

345221

36
g-index

50
all docs

50
docs citations

50
times ranked

1878
citing authors

#	ARTICLE	IF	CITATIONS
1	A blend of small molecules regulates both mating and development in <i>Caenorhabditis elegans</i> . <i>Nature</i> , 2008, 454, 1115-1118.	27.8	335
2	A shortcut to identifying small molecule signals that regulate behavior and development in <i>Caenorhabditis elegans</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 7708-7713.	7.1	221
3	A Modular Library of Small Molecule Signals Regulates Social Behaviors in <i>Caenorhabditis elegans</i> . <i>PLoS Biology</i> , 2012, 10, e1001237.	5.6	208
4	Pan-neuronal imaging in roaming <i>Caenorhabditis elegans</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E1082-8.	7.1	188
5	Comparative Metabolomics Reveals Biogenesis of Ascarosides, a Modular Library of Small-Molecule Signals in <i>C. elegans</i> . <i>Journal of the American Chemical Society</i> , 2012, 134, 1817-1824.	13.7	187
6	Targeted Metabolomics Reveals a Male Pheromone and Sex-Specific Ascaroside Biosynthesis in <i>Caenorhabditis elegans</i> . <i>ACS Chemical Biology</i> , 2012, 7, 1321-1325.	3.4	108
7	Involvement of caveolin-1 in meiotic cell-cycle progression in <i>Caenorhabditis elegans</i> . <i>Nature Cell Biology</i> , 1999, 1, 127-129.	10.3	105
8	Microfluidic chamber arrays for whole-organism behavior-based chemical screening. <i>Lab on A Chip</i> , 2011, 11, 3689.	6.0	103
9	Ascaroside Expression in <i>Caenorhabditis elegans</i> Is Strongly Dependent on Diet and Developmental Stage. <i>PLoS ONE</i> , 2011, 6, e17804.	2.5	87
10	Succinylated Octopamine Ascarosides and a New Pathway of Biogenic Amine Metabolism in <i>Caenorhabditis elegans</i> . <i>Journal of Biological Chemistry</i> , 2013, 288, 18778-18783.	3.4	71
11	Improving the <i>Caenorhabditis elegans</i> Genome Annotation Using Machine Learning. <i>PLoS Computational Biology</i> , 2007, 3, e20.	3.2	57
12	The Draft Genome and Transcriptome of <i>Panagrellus redivivus</i> Are Shaped by the Harsh Demands of a Free-Living Lifestyle. <i>Genetics</i> , 2013, 193, 1279-1295.	2.9	57
13	Contrasting responses within a single neuron class enable sex-specific attraction in <i>Caenorhabditis elegans</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E1392-401.	7.1	53
14	A Bacterial Artificial Chromosome-Based Genetic Linkage Map of the Nematode <i>Pristionchus pacificus</i> . <i>Genetics</i> , 2002, 162, 129-134.	2.9	53
15	Circuit mechanisms encoding odors and driving aging-associated behavioral declines in <i>Caenorhabditis elegans</i> . <i>ELife</i> , 2015, 4, e10181.	6.0	49
16	Microevolutionary analysis of the nematode genus <i>Pristionchus</i> suggests a recent evolution of redundant developmental mechanisms during vulva formation. <i>Evolution & Development</i> , 2001, 3, 229-240.	2.0	45
17	Predator-secreted sulfolipids induce defensive responses in <i>C. elegans</i> . <i>Nature Communications</i> , 2018, 9, 1128.	12.8	39
18	Synaptic polarity of the interneuron circuit controlling <i>C. elegans</i> locomotion. <i>Frontiers in Computational Neuroscience</i> , 2013, 7, 128.	2.1	36

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19	Evolution of a polymodal sensory response network. BMC Biology, 2008, 6, 52.	3.8	35
20	A comparison of experience-dependent locomotory behaviors and biogenic amine neurons in nematode relatives of <i>Caenorhabditis elegans</i> . BMC Neuroscience, 2010, 11, 22.	1.9	35
21	Chemical mating cues in <i>C. elegans</i> . Seminars in Cell and Developmental Biology, 2014, 33, 18-24.	5.0	28
22	Improved Synthesis for Modular Ascarosides Uncovers Biological Activity. Organic Letters, 2017, 19, 2837-2840.	4.6	28
23	The cGMP Signaling Pathway Affects Feeding Behavior in the Necromenic Nematode <i>Pristionchus pacificus</i> . PLoS ONE, 2012, 7, e34464.	2.5	25
24	POS-1 Promotes Endo-mesoderm Development by Inhibiting the Cytoplasmic Polyadenylation of <i>neg-1</i> mRNA. Developmental Cell, 2015, 34, 108-118.	7.0	22
25	Co-option of neurotransmitter signaling for inter-organismal communication in <i>C. elegans</i> . Nature Communications, 2019, 10, 3186.	12.8	20
26	Comparative Ascaroside Profiling of <i>Caenorhabditis</i> Exometabolomes Reveals Species-Specific (^1H) and (^{13}C)-Hydroxylation Downstream of Peroxisomal β -Oxidation. Journal of Organic Chemistry, 2018, 83, 7109-7120.	3.2	18
27	Novel Technological Advances in Functional Connectomics in <i>C. elegans</i> . Journal of Developmental Biology, 2019, 7, 8.	1.7	16
28	Small molecule signals mediate social behaviors in <i>C. elegans</i> . Journal of Neurogenetics, 2020, 34, 395-403.	1.4	16
29	Using an Adapted Microfluidic Olfactory Chip for the Imaging of Neuronal Activity in Response to Pheromones in Male <i>C. Elegans</i> Head Neurons. Journal of Visualized Experiments, 2017, , .	0.3	14
30	EMFS: Email-based Personal Cloud Storage. , 2011, , .		13
31	A compressed sensing framework for efficient dissection of neural circuits. Nature Methods, 2019, 16, 126-133.	19.0	12
32	Ca^{2+} -mediated calcium dynamics and membrane tension modulate neurite plasticity. Molecular Biology of the Cell, 2020, 31, 683-694.	2.1	10
33	Distinct neuropeptide-receptor modules regulate a sex-specific behavioral response to a pheromone. Communications Biology, 2021, 4, 1018.	4.4	10
34	Photoaffinity probes for nematode pheromone receptor identification. Organic and Biomolecular Chemistry, 2020, 18, 36-40.	2.8	5
35	<i>Pristionchus pacificus</i> : a satellite organism in evolutionary developmental biology. Nematology, 2000, 2, 81-88.	0.6	4
36	<i>Pristionchus pacificus</i> : an appropriate fondness for beetles. Nature Genetics, 2008, 40, 1146-1147.	21.4	2

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37	Chemical Communication: Linking Behavior and Physiology. <i>Current Biology</i> , 2019, 29, R1226-R1228.	3.9	1
38	From evolutionary developmental biology to genomics: towards a genome map of the free-living nematode <i>Pristionchus pacificus</i> . <i>International Congress Series</i> , 2002, 1246, 101-110.	0.2	0
39	Reproductive Evolution: Pulling the Plug on Selection. <i>Current Biology</i> , 2015, 25, R984-R986.	3.9	0
40	Improving the <i>Caenorhabditis elegans</i> Genome Annotation using Machine Learning. <i>PLoS Computational Biology</i> , 2005, preprint, e20.	3.2	0
41	Evolution of hermaphroditism decreases efficacy of Ascaroside#8-mediated mate attraction in nematodes. <i>MicroPublication Biology</i> , 2019, 2019, .	0.1	0
42	<i>C. elegans</i> Genome, Comparative Sequencing. , 2005, , 183-185.		0