

# Jonathan Pierce-Shimomura

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6998281/publications.pdf>

Version: 2024-02-01

21  
papers

546  
citations

840776

11  
h-index

794594

19  
g-index

27  
all docs

27  
docs citations

27  
times ranked

638  
citing authors

#	ARTICLE	IF	CITATIONS
1	Small molecule modulator of sigma 2 receptor is neuroprotective and reduces cognitive deficits and neuroinflammation in experimental models of Alzheimer's disease. <i>Journal of Neurochemistry</i> , 2017, 140, 561-575.	3.9	93
2	Magneto-sensitive neurons mediate geomagnetic orientation in <i>Caenorhabditis elegans</i> . <i>ELife</i> , 2015, 4, .	6.0	91
3	Humidity sensation requires both mechanosensory and thermosensory pathways in <i>Caenorhabditis elegans</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 8269-8274.	7.1	74
4	Steroid Hormones Act Directly to Trigger Segment-Specific Programmed Cell Death of Identified Motoneurons in Vitro. <i>Developmental Biology</i> , 1997, 183, 95-107.	2.0	49
5	Conserved Single Residue in the BK Potassium Channel Required for Activation by Alcohol and Intoxication in <i>C. elegans</i> . <i>Journal of Neuroscience</i> , 2014, 34, 9562-9573.	3.6	41
6	Small molecule modulators of $\text{f2R/Tmem97}$ reduce alcohol withdrawal-induced behaviors. <i>Neuropsychopharmacology</i> , 2018, 43, 1867-1875.	5.4	35
7	Identifying Cellular and Molecular Mechanisms for Magnetosensation. <i>Annual Review of Neuroscience</i> , 2017, 40, 231-250.	10.7	33
8	Alcohol Disinhibition of Behaviors in <i>C. elegans</i> . <i>PLoS ONE</i> , 2014, 9, e92965.	2.5	26
9	High-Content Microfluidic Screening Platform Used To Identify $\text{f2R/Tmem97}$ Binding Ligands that Reduce Age-Dependent Neurodegeneration in <i>C. elegans</i> SC_APP Model. <i>ACS Chemical Neuroscience</i> , 2018, 9, 1014-1026.	3.5	26
10	Behavioral Deficits Following Withdrawal from Chronic Ethanol Are Influenced by SLO Channel Function in <i>Caenorhabditis elegans</i> . <i>Genetics</i> , 2017, 206, 1445-1458.	2.9	22
11	Systematic Functional Characterization of Human 21st Chromosome Orthologs in <i>Caenorhabditis elegans</i> . <i>G3: Genes, Genomes, Genetics</i> , 2018, 8, 967-979.	1.8	17
12	Response to comment on "Magneto-sensitive neurons mediate geomagnetic orientation in <i>Caenorhabditis elegans</i> ". <i>ELife</i> , 2018, 7, .	6.0	9
13	Long-term activity drives dendritic branch elaboration of a <i>C. elegans</i> sensory neuron. <i>Developmental Biology</i> , 2020, 461, 66-74.	2.0	6
14	Factors that influence magnetic orientation in <i>Caenorhabditis elegans</i> . <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2020, 206, 343-352.	1.6	5
15	Putative calcium-binding domains of the <i>Caenorhabditis elegans</i> BK channel are dispensable for intoxication and ethanol activation. <i>Genes, Brain and Behavior</i> , 2015, 14, 454-465.	2.2	4
16	A Novel Peptide Restricts Ethanol Modulation of the BK Channel In Vitro and In Vivo. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2018, 367, 282-290.	2.5	4
17	<i>APP</i> -Induced Patterned Neurodegeneration Is Exacerbated by <i>APOE4</i> in <i>Caenorhabditis elegans</i> . <i>G3: Genes, Genomes, Genetics</i> , 2020, 10, 2851-2861.	1.8	4
18	Apparatus for investigating the reactions of soft-bodied invertebrates to controlled humidity gradients. <i>Journal of Neuroscience Methods</i> , 2014, 237, 54-59.	2.5	2

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19	Activity-Dependent Regulation of the Proapoptotic BH3-Only Gene <i>egl-1</i> in a Living Neuron Pair in <i>Caenorhabditis elegans</i> . <i>G3: Genes, Genomes, Genetics</i> , 2019, 9, 3703-3714.	1.8	2
20	Calnexin revealed as an ether-a-go-go chaperone by getting mutant worms up and going. <i>Journal of General Physiology</i> , 2018, 150, 1059-1061.	1.9	0
21	A quantal code for touch intensity in <i>C. elegans</i> . <i>Journal of General Physiology</i> , 2019, 151, 1343-1346.	1.9	0