

David Biron

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

399
citations

840776

11
h-index

996975

15
g-index

16
all docs

16
docs citations

16
times ranked

517
citing authors

#	ARTICLE	IF	CITATIONS
1	Serotonin-dependent kinetics of feeding bursts underlie a graded response to food availability in <i>C. elegans</i> . <i>Nature Communications</i> , 2017, 8, 14221.	12.8	65
2	Sleep and Development in Genetically Tractable Model Organisms. <i>Genetics</i> , 2016, 203, 21-33.	2.9	64
3	Measurements of behavioral quiescence in <i>Caenorhabditis elegans</i> . <i>Methods</i> , 2014, 68, 500-507.	3.8	43
4	Serotonin promotes exploitation in complex environments by accelerating decision-making. <i>BMC Biology</i> , 2016, 14, 9.	3.8	42
5	A scalable method for automatically measuring pharyngeal pumping in <i>C. elegans</i> . <i>Journal of Neuroscience Methods</i> , 2016, 274, 172-178.	2.5	31
6	The <i>Caenorhabditis elegans</i> interneuron ALA is (also) a high-threshold mechanosensor. <i>BMC Neuroscience</i> , 2013, 14, 156.	1.9	30
7	Why Do Sleeping Nematodes Adopt a Hockey-Stick-Like Posture?. <i>PLoS ONE</i> , 2014, 9, e101162.	2.5	22
8	Normal sleep bouts are not essential for <i>C. elegans</i> survival and FoxO is important for compensatory changes in sleep. <i>BMC Neuroscience</i> , 2018, 19, 10.	1.9	21
9	A Generative Statistical Algorithm for Automatic Detection of Complex Postures. <i>PLoS Computational Biology</i> , 2015, 11, e1004517.	3.2	21
10	<i>Caenorhabditis elegans</i> exhibit a coupling between the defecation motor program and directed locomotion. <i>Scientific Reports</i> , 2015, 5, 17174.	3.3	20
11	Distinct unfolded protein responses mitigate or mediate effects of nonlethal deprivation of <i>C. elegans</i> sleep in different tissues. <i>BMC Biology</i> , 2017, 15, 67.	3.8	20
12	Stochastic feeding dynamics arise from the need for information and energy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 9261-9266.	7.1	15
13	<i>C. elegans</i> and mutants with chronic nicotine exposure as a novel model of cancer phenotype. <i>Cancer Biology and Therapy</i> , 2016, 17, 91-103.	3.4	3
14	A Primer on Prototyping. <i>Methods in Molecular Biology</i> , 2015, 1327, 231-240.	0.9	1
15	The importance of waiting. <i>ELife</i> , 2014, 3, e03754.	6.0	1