David Biron

List of Publications by Year
in descending order

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