

Ravi Allada

List of Publications by Year in descending order

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35
papers

3,881
citations

257101

24
h-index

454577

30
g-index

40
all docs

40
docs citations

40
times ranked

3256
citing authors

#	ARTICLE	IF	CITATIONS
1	A Mutant <i>Drosophila</i> Homolog of Mammalian Clock Disrupts Circadian Rhythms and Transcription of period and timeless. <i>Cell</i> , 1998, 93, 791-804.	13.5	673
2	Circadian Organization of Behavior and Physiology in <i>Drosophila</i> . <i>Annual Review of Physiology</i> , 2010, 72, 605-624.	5.6	409
3	A role for casein kinase 2 β in the <i>Drosophila</i> circadian clock. <i>Nature</i> , 2002, 420, 816-820.	13.7	323
4	Stopping Time: The Genetics of Fly and Mouse Circadian Clocks. <i>Annual Review of Neuroscience</i> , 2001, 24, 1091-1119.	5.0	287
5	Guidelines for Genome-Scale Analysis of Biological Rhythms. <i>Journal of Biological Rhythms</i> , 2017, 32, 380-393.	1.4	237
6	Unearthing the Phylogenetic Roots of Sleep. <i>Current Biology</i> , 2008, 18, R670-R679.	1.8	233
7	A G Protein-Coupled Receptor, groom-of-PDF, Is Required for PDF Neuron Action in Circadian Behavior. <i>Neuron</i> , 2005, 48, 221-227.	3.8	217
8	Locomotor Activity Level Monitoring Using the <i>Drosophila</i> Activity Monitoring (DAM) System: Figure 1.. <i>Cold Spring Harbor Protocols</i> , 2010, 2010, pdb.prot5518.	0.2	160
9	DN1p Circadian Neurons Coordinate Acute Light and PDF Inputs to Produce Robust Daily Behavior in <i>Drosophila</i> . <i>Current Biology</i> , 2010, 20, 591-599.	1.8	158
10	Surprising gene expression patterns within and between PDF-containing circadian neurons in <i>Drosophila</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 13497-13502.	3.3	154
11	ATAXIN-2 Activates PERIOD Translation to Sustain Circadian Rhythms in <i>Drosophila</i> . <i>Science</i> , 2013, 340, 875-879.	6.0	136
12	Dual PDF Signaling Pathways Reset Clocks Via TIMELESS and Acutely Excite Target Neurons to Control Circadian Behavior. <i>PLoS Biology</i> , 2014, 12, e1001810.	2.6	118
13	Universal method for robust detection of circadian state from gene expression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E9247-E9256.	3.3	115
14	Cul3 and the BTB Adaptor Insomniac Are Key Regulators of Sleep Homeostasis and a Dopamine Arousal Pathway in <i>Drosophila</i> . <i>PLoS Genetics</i> , 2012, 8, e1003003.	1.5	99
15	The novel gene twenty-four defines a critical translational step in the <i>Drosophila</i> clock. <i>Nature</i> , 2011, 470, 399-403.	13.7	79
16	A deep sleep stage in <i>Drosophila</i> with a functional role in waste clearance. <i>Science Advances</i> , 2021, 7, .	4.7	51
17	Dominant-Negative CK2 β Induces Potent Effects on Circadian Rhythmicity. <i>PLoS Genetics</i> , 2008, 4, e12.	1.5	47
18	Circadian Clocks. <i>Cell</i> , 2003, 112, 284-286.	13.5	46

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19	Casein kinase 2, circadian clocks, and the flight from mutagenic light. <i>Molecular and Cellular Biochemistry</i> , 2005, 274, 141-149.	1.4	43
20	TIMELESS Is an Important Mediator of CK2 Effects on Circadian Clock Function <i>In Vivo</i> . <i>Journal of Neuroscience</i> , 2008, 28, 9732-9740.	1.7	39
21	Processing Circadian Data Collected from the <i>Drosophila</i> Activity Monitoring (DAM) System: Figure 1.. <i>Cold Spring Harbor Protocols</i> , 2010, 2010, pdb.prot5519.	0.2	37
22	A Systems Approach Identifies Networks and Genes Linking Sleep and Stress: Implications for Neuropsychiatric Disorders. <i>Cell Reports</i> , 2015, 11, 835-848.	2.9	36
23	Circadian Clocks Function in Concert with Heat Shock Organizing Protein to Modulate Mutant Huntingtin Aggregation and Toxicity. <i>Cell Reports</i> , 2019, 27, 59-70.e4.	2.9	35
24	Bootstrapping and Empirical Bayes Methods Improve Rhythm Detection in Sparsely Sampled Data. <i>Journal of Biological Rhythms</i> , 2018, 33, 339-349.	1.4	34
25	An emerging link between general anesthesia and sleep. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 2257-2258.	3.3	23
26	TimeTrial: An Interactive Application for Optimizing the Design and Analysis of Transcriptomic Time-Series Data in Circadian Biology Research. <i>Journal of Biological Rhythms</i> , 2020, 35, 439-451.	1.4	17
27	Phosphatase of Regenerating Liver-1 Selectively Times Circadian Behavior in Darkness via Function in PDF Neurons and Dephosphorylation of TIMELESS. <i>Current Biology</i> , 2021, 31, 138-149.e5.	1.8	17
28	Comment on "Circadian rhythms in the absence of the clock gene <i>Bmal1</i> ". <i>Science</i> , 2021, 372, .	6.0	15
29	Glial immune-related pathways mediate effects of closed head traumatic brain injury on behavior and lethality in <i>Drosophila</i> . <i>PLoS Biology</i> , 2022, 20, e3001456.	2.6	15
30	Ataxin2 functions via CrebA to mediate Huntingtin toxicity in circadian clock neurons. <i>PLoS Genetics</i> , 2019, 15, e1008356.	1.5	13
31	Circadian programming of the ellipsoid body sleep homeostat in <i>Drosophila</i> . <i>ELife</i> , 0, 11, .	2.8	11
32	The microtubule-associated protein Tau suppresses the axonal distribution of PDF neuropeptide and mitochondria in circadian clock neurons. <i>Human Molecular Genetics</i> , 2022, 31, 1141-1150.	1.4	2
33	Two Oscillators Are Better Than One: A Circadian Pacemaker Escapes from the Light. <i>Neuron</i> , 2007, 53, 621-623.	3.8	0
34	How Flies Time When They're Having Brunch. <i>Cell Metabolism</i> , 2008, 8, 279-280.	7.2	0
35	Meta-analysis of <i>Drosophila</i> Circadian Microarray Studies Identifies a Novel Set of Rhythmically Expressed Genes. <i>PLoS Computational Biology</i> , 2005, preprint, e208.	1.5	0