Ravi Allada

List of Publications by Year
in descending order

35 papers	3,881 citations	257450 24 h-index	454955 30 g-index
40 all docs	40 docs citations	40 times ranked	3256 citing authors

#	Article	IF	Citations
1	A Mutant Drosophila Homolog of Mammalian Clock Disrupts Circadian Rhythms and Transcription of period and timeless. Cell, 1998, 93, 791-804.	28.9	673
2	Circadian Organization of Behavior and Physiology in Drosophila. Annual Review of Physiology, 2010, 72, 605-624.	13.1	409
3	A role for casein kinase 2Î± in the Drosophila circadian clock. Nature, 2002, 420, 816-820.	27.8	323
4	Stopping Time: The Genetics of Fly and Mouse Circadian Clocks. Annual Review of Neuroscience, 2001, 24, 1091-1119.	10.7	287
5	Guidelines for Genome-Scale Analysis of Biological Rhythms. Journal of Biological Rhythms, 2017, 32, 380-393.	2.6	237
6	Unearthing the Phylogenetic Roots of Sleep. Current Biology, 2008, 18, R670-R679.	3.9	233
7	A G Protein-Coupled Receptor, groom-of-PDF, Is Required for PDF Neuron Action in Circadian Behavior. Neuron, 2005, 48, 221-227.	8.1	217
8	Locomotor Activity Level Monitoring Using the Drosophila Activity Monitoring (DAM) System: Figure 1.. Cold Spring Harbor Protocols, 2010, 2010, pdb.prot5518.	0.3	160
9	DN1p Circadian Neurons Coordinate Acute Light and PDF Inputs to Produce Robust Daily Behavior in Drosophila. Current Biology, 2010, 20, 591-599.	3.9	158
10	Surprising gene expression patterns within and between PDF-containing circadian neurons in Drosophila. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 13497-13502.	7.1	154
11	ATAXIN-2 Activates PERIOD Translation to Sustain Circadian Rhythms in Drosophila. Science, 2013, 340, 875-879.	12.6	136
12	Dual PDF Signaling Pathways Reset Clocks Via TIMELESS and Acutely Excite Target Neurons to Control Circadian Behavior. PLoS Biology, 2014, 12, e1001810.	5.6	118
13	Universal method for robust detection of circadian state from gene expression. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E9247-E9256.	7.1	115
14	Cul3 and the BTB Adaptor Insomniac Are Key Regulators of Sleep Homeostasis and a Dopamine Arousal Pathway in Drosophila. PLoS Genetics, 2012, 8, e1003003.	3.5	99
15	The novel gene twenty-four defines a critical translational step in the Drosophila clock. Nature, 2011, 470, 399-403.	27.8	79
16	A deep sleep stage in Drosophila with a functional role in waste clearance. Science Advances, 2021, 7, .	10.3	51
17	Dominant-Negative CK2Î± Induces Potent Effects on Circadian Rhythmicity. PLoS Genetics, 2008, 4, e12.	3.5	47
18	Circadian Clocks. Cell, 2003, 112, 284-286.	28.9	46

#	Article	IF	Citations
19	Casein kinase 2, circadian clocks, and the flight from mutagenic light. Molecular and Cellular Biochemistry, 2005, 274, 141-149.	3.1	43
20	TIMELESS Is an Important Mediator of CK2 Effects on Circadian Clock FunctionIn Vivo. Journal of Neuroscience, 2008, 28, 9732-9740.	3.6	39
21	Processing Circadian Data Collected from the Drosophila Activity Monitoring (DAM) System: Figure 1.. Cold Spring Harbor Protocols, 2010, 2010, pdb.prot5519.	0.3	37
22	A Systems Approach Identifies Networks and Genes Linking Sleep and Stress: Implications for Neuropsychiatric Disorders. Cell Reports, 2015, 11, 835-848.	6.4	36
23	Circadian Clocks Function in Concert with Heat Shock Organizing Protein to Modulate Mutant Huntingtin Aggregation and Toxicity. Cell Reports, 2019, 27, 59-70.e4.	6.4	35
24	Bootstrapping and Empirical Bayes Methods Improve Rhythm Detection in Sparsely Sampled Data. Journal of Biological Rhythms, 2018, 33, 339-349.	2.6	34
25	An emerging link between general anesthesia and sleep. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 2257-2258.	7.1	23
26	TimeTrial: An Interactive Application for Optimizing the Design and Analysis of Transcriptomic Time-Series Data in Circadian Biology Research. Journal of Biological Rhythms, 2020, 35, 439-451.	2.6	17
27	Phosphatase of Regenerating Liver-1 Selectively Times Circadian Behavior in Darkness via Function in PDF Neurons and Dephosphorylation of TIMELESS. Current Biology, 2021, 31, 138-149.e5.	3.9	17
28	Comment on â€œCircadian rhythms in the absence of the clock gene Bmal1 â€. Science, 2021, 372, .	12.6	15
29	Glial immune-related pathways mediate effects of closed head traumatic brain injury on behavior and lethality in Drosophila. PLoS Biology, 2022, 20, e3001456.	5.6	15
30	Ataxin2 functions via CrebA to mediate Huntingtin toxicity in circadian clock neurons. PLoS Genetics, 2019, 15, e1008356.	3.5	13
31	Circadian programming of the ellipsoid body sleep homeostat in Drosophila. ELife, 0, 11, .	6.0	11
32	The microtubule-associated protein Tau suppresses the axonal distribution of PDF neuropeptide and mitochondria in circadian clock neurons. Human Molecular Genetics, 2022, 31, 1141-1150.	2.9	2
33	Two Oscillators Are Better Than One: A Circadian Pacemaker Escapes from the Light. Neuron, 2007, 53, 621-623.	8.1	0
34	How Flies Time When They're Having Brunch. Cell Metabolism, 2008, 8, 279-280.	16.2	0
35	Meta-analysis of Drosophila Circadian Microarray Studies Identifies a Novel Set of Rhythmically Expressed Genes. PLoS Computational Biology, 2005, preprint, e208.	3.2	0