

Carl H Johnson

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

2,241
citations

279798

23
h-index

377865

34
g-index

38
all docs

38
docs citations

38
times ranked

2573
citing authors

#	ARTICLE	IF	CITATIONS
1	Entrainment of Circadian Programs. <i>Chronobiology International</i> , 2003, 20, 741-774.	2.0	345
2	Forty Years of Prcs-What Have We Learned?. <i>Chronobiology International</i> , 1999, 16, 711-743.	2.0	178
3	Shift Work in Nurses: Contribution of Phenotypes and Genotypes to Adaptation. <i>PLoS ONE</i> , 2011, 6, e18395.	2.5	137
4	Elucidating the Ticking of an In Vitro Circadian Clockwork. <i>PLoS Biology</i> , 2007, 5, e93.	5.6	126
5	Circadian Programs in Cyanobacteria: Adaptiveness and Mechanism. <i>Annual Review of Microbiology</i> , 1999, 53, 389-409.	7.3	117
6	Circadian Clock Gene Bmal1 Is Not Essential; Functional Replacement with its Paralog, Bmal2. <i>Current Biology</i> , 2010, 20, 316-321.	3.9	116
7	The Cyanobacterial Circadian System: From Biophysics to Bioevolution. <i>Annual Review of Biophysics</i> , 2011, 40, 143-167.	10.0	112
8	Quantitative Analyses of Circadian Gene Expression in Mammalian Cell Cultures. <i>PLoS Computational Biology</i> , 2006, 2, e136.	3.2	100
9	Circadian clocks and cell division. <i>Cell Cycle</i> , 2010, 9, 3864-3873.	2.6	89
10	ALGAE KNOW THE TIME OF DAY: CIRCADIAN AND PHOTOPERIODIC PROGRAMS. <i>Journal of Phycology</i> , 2001, 37, 933-942.	2.3	88
11	A Cyanobacterial Circadian Clockwork. <i>Current Biology</i> , 2008, 18, R816-R825.	3.9	79
12	Coupling of a Core Post-Translational Pacemaker to a Slave Transcription/Translation Feedback Loop in a Circadian System. <i>PLoS Biology</i> , 2010, 8, e1000394.	5.6	79
13	Endogenous Timekeepers in Photosynthetic Organisms. <i>Annual Review of Physiology</i> , 2001, 63, 695-728.	13.1	77
14	Ube3a Imprinting Impairs Circadian Robustness in Angelman Syndrome Models. <i>Current Biology</i> , 2015, 25, 537-545.	3.9	74
15	Isotopically nonstationary ¹³ C flux analysis of cyanobacterial isobutyraldehyde production. <i>Metabolic Engineering</i> , 2017, 42, 9-18.	7.0	73
16	Structural Insights into a Circadian Oscillator. <i>Science</i> , 2008, 322, 697-701.	12.6	72
17	Evolution of KaiC-Dependent Timekeepers: A Proto-circadian Timing Mechanism Confers Adaptive Fitness in the Purple Bacterium <i>Rhodospseudomonas palustris</i> . <i>PLoS Genetics</i> , 2016, 12, e1005922.	3.5	51
18	Adaptive significance of circadian programs in cyanobacteria. <i>Trends in Microbiology</i> , 1998, 6, 407-410.	7.7	45

#	ARTICLE	IF	CITATIONS
19	Revealing circadian mechanisms of integration and resilience by visualizing clock proteins working in real time. <i>Nature Communications</i> , 2018, 9, 3245.	12.8	43
20	Precise circadian clocks in prokaryotic cyanobacteria. <i>Current Issues in Molecular Biology</i> , 2004, 6, 103-10.	2.4	38
21	Systematic identification and elimination of flux bottlenecks in the aldehyde production pathway of <i>Synechococcus elongatus</i> PCC 7942. <i>Metabolic Engineering</i> , 2020, 60, 56-65.	7.0	36
22	Intramolecular Regulation of Phosphorylation Status of the Circadian Clock Protein KaiC. <i>PLoS ONE</i> , 2009, 4, e7509.	2.5	33
23	Eating breakfast and avoiding late-evening snacking sustains lipid oxidation. <i>PLoS Biology</i> , 2020, 18, e3000622.	5.6	31
24	An evolutionary fitness enhancement conferred by the circadian system in cyanobacteria. <i>Chaos, Solitons and Fractals</i> , 2013, 50, 65-74.	5.1	24
25	pHlash: A New Genetically Encoded and Ratiometric Luminescence Sensor of Intracellular pH. <i>PLoS ONE</i> , 2012, 7, e43072.	2.5	18
26	Comment on "The <i>Arabidopsis</i> Circadian Clock Incorporates a cADPR-Based Feedback Loop". <i>Science</i> , 2009, 326, 230-230.	12.6	12
27	Daily and Circadian Variation in Survival From Ultraviolet Radiation in <i>Chlamydomonas reinhardtii</i> . <i>Photochemistry and Photobiology</i> , 2007, 71, 758-765.	2.5	11
28	Global orchestration of gene expression by the biological clock of cyanobacteria. <i>Genome Biology</i> , 2004, 5, 217.	9.6	9
29	Accelerating strain phenotyping with desorption electrospray ionization-imaging mass spectrometry and untargeted analysis of intact microbial colonies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	8
30	Targeted modification of the Per2 clock gene alters circadian function in mPer2luciferase (mPer2Luc) mice. <i>PLoS Computational Biology</i> , 2021, 17, e1008987.	3.2	7
31	Circadian Clocks: Unexpected Biochemical Cogs. <i>Current Biology</i> , 2015, 25, R842-R844.	3.9	4
32	Monitoring Intracellular pH Change with a Genetically Encoded and Ratiometric Luminescence Sensor in Yeast and Mammalian Cells. <i>Methods in Molecular Biology</i> , 2016, 1461, 117-130.	0.9	4
33	Time-optimized feeding is beneficial without enforced fasting. <i>Open Biology</i> , 2021, 11, 210183.	3.6	4
34	Reminiscences from Pittendrigh's last PhD student. <i>Resonance</i> , 2006, 11, 22-31.	0.3	1