

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	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
2	Time-optimized feeding is beneficial without enforced fasting. <i>Open Biology</i> , 2021, 11, 210183.	3.6	4
3	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
4	Eating breakfast and avoiding late-evening snacking sustains lipid oxidation. <i>PLoS Biology</i> , 2020, 18, e3000622.	5.6	31
5	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
6	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
7	Isotopically nonstationary ¹³ C flux analysis of cyanobacterial isobutyraldehyde production. <i>Metabolic Engineering</i> , 2017, 42, 9-18.	7.0	73
8	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
9	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
10	Ube3a Imprinting Impairs Circadian Robustness in Angelman Syndrome Models. <i>Current Biology</i> , 2015, 25, 537-545.	3.9	74
11	Circadian Clocks: Unexpected Biochemical Cogs. <i>Current Biology</i> , 2015, 25, R842-R844.	3.9	4
12	An evolutionary fitness enhancement conferred by the circadian system in cyanobacteria. <i>Chaos, Solitons and Fractals</i> , 2013, 50, 65-74.	5.1	24
13	pHlash: A New Genetically Encoded and Ratiometric Luminescence Sensor of Intracellular pH. <i>PLoS ONE</i> , 2012, 7, e43072.	2.5	18
14	The Cyanobacterial Circadian System: From Biophysics to Bioevolution. <i>Annual Review of Biophysics</i> , 2011, 40, 143-167.	10.0	112
15	Shift Work in Nurses: Contribution of Phenotypes and Genotypes to Adaptation. <i>PLoS ONE</i> , 2011, 6, e18395.	2.5	137
16	Circadian Clock Gene Bmal1 Is Not Essential; Functional Replacement with its Paralog, Bmal2. <i>Current Biology</i> , 2010, 20, 316-321.	3.9	116
17	Circadian clocks and cell division. <i>Cell Cycle</i> , 2010, 9, 3864-3873.	2.6	89
18	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

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19	Intramolecular Regulation of Phosphorylation Status of the Circadian Clock Protein KaiC. PLoS ONE, 2009, 4, e7509.	2.5	33
20	Comment on "The <i>Arabidopsis</i> Circadian Clock Incorporates a cADPR-Based Feedback Loop". Science, 2009, 326, 230-230.	12.6	12
21	Structural Insights into a Circadian Oscillator. Science, 2008, 322, 697-701.	12.6	72
22	A Cyanobacterial Circadian Clockwork. Current Biology, 2008, 18, R816-R825.	3.9	79
23	Elucidating the Ticking of an In Vitro Circadian Clockwork. PLoS Biology, 2007, 5, e93.	5.6	126
24	Daily and Circadian Variation in Survival From Ultraviolet Radiation in <i>Chlamydomonas reinhardtii</i> . Photochemistry and Photobiology, 2007, 71, 758-765.	2.5	11
25	Reminiscences from Pittendrigh's last PhD student. Resonance, 2006, 11, 22-31.	0.3	1
26	Quantitative Analyses of Circadian Gene Expression in Mammalian Cell Cultures. PLoS Computational Biology, 2006, 2, e136.	3.2	100
27	Global orchestration of gene expression by the biological clock of cyanobacteria. Genome Biology, 2004, 5, 217.	9.6	9
28	Precise circadian clocks in prokaryotic cyanobacteria. Current Issues in Molecular Biology, 2004, 6, 103-10.	2.4	38
29	Entrainment of Circadian Programs. Chronobiology International, 2003, 20, 741-774.	2.0	345
30	Endogenous Timekeepers in Photosynthetic Organisms. Annual Review of Physiology, 2001, 63, 695-728.	13.1	77
31	ALGAE KNOW THE TIME OF DAY: CIRCADIAN AND PHOTOPERIODIC PROGRAMS. Journal of Phycology, 2001, 37, 933-942.	2.3	88
32	Circadian Programs in Cyanobacteria: Adaptiveness and Mechanism. Annual Review of Microbiology, 1999, 53, 389-409.	7.3	117
33	Forty Years of Prcs-What Have We Learned?. Chronobiology International, 1999, 16, 711-743.	2.0	178
34	Adaptive significance of circadian programs in cyanobacteria. Trends in Microbiology, 1998, 6, 407-410.	7.7	45