Jennifer M Hurley

List of Publications by Year
in descending order

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35 papers	1,486 citations	394421 19 h-index	526287 27 g-index
43 all docs	43 docs citations	43 times ranked	1519 citing authors

#	Article	IF	Citations
1	Guidelines for Genome-Scale Analysis of Biological Rhythms. Journal of Biological Rhythms, 2017, 32, 380-393.	2.6	237
2	Circadian Oscillators: Around the Transcriptionâ€“Translation Feedback Loop and on to Output. Trends in Biochemical Sciences, 2016, 41, 834-846.	7.5	147
3	Analysis of clock-regulated genes in Neurospora reveals widespread posttranscriptional control of metabolic potential. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 16995-17002.	7.1	131
4	Bacterial Toxin HigB Associates with Ribosomes and Mediates Translation-dependent mRNA Cleavage at A-rich Sites. Journal of Biological Chemistry, 2009, 284, 18605-18613.	3.4	119
5	Circadian Proteomic Analysis Uncovers Mechanisms of Post-Transcriptional Regulation in Metabolic Pathways. Cell Systems, 2018, 7, 613-626.e5.	6.2	93
6	Conserved RNA Helicase FRH Acts Nonenzymatically to Support the Intrinsically Disordered Neurospora Clock Protein FRQ. Molecular Cell, 2013, 52, 832-843.	9.7	83
7	Crystal Structures of Phd-Doc, HigA, and YeeU Establish Multiple Evolutionary Links between Microbial Growth-Regulating Toxin-Antitoxin Systems. Structure, 2010, 18, 996-1010.	3.3	65
8	Clostridium difficile MazF Toxin Exhibits Selective, Not Global, mRNA Cleavage. Journal of Bacteriology, 2012, 194, 3464-3474.	2.2	59
9	Post-transcriptional circadian regulation in macrophages organizes temporally distinct immunometabolic states. Genome Research, 2021, 31, 171-185.	5.5	55
10	Bacterial Toxin RelE Mediates Frequent Codon-independent mRNA Cleavage from the 5â€² End of Coding Regions in Vivo. Journal of Biological Chemistry, 2011, 286, 14770-14778.	3.4	47
11	The Neurospora Transcription Factor ADV-1 Transduces Light Signals and Temporal Information to Control Rhythmic Expression of Genes Involved in Cell Fusion. G3: Genes, Genomes, Genetics, 2017, 7, 129-142.	1.8	47
12	The circadian system as an organizer of metabolism. Fungal Genetics and Biology, 2016, 90, 39-43.	2.1	45
13	ECHO: an application for detection and analysis of oscillators identifies metabolic regulation on genome-wide circadian output. Bioinformatics, 2020, 36, 773-781.	4.1	42
14	Dissecting the Mechanisms of the Clock in Neurospora. Methods in Enzymology, 2015, 551, 29-52.	1.0	38
15	Intrinsic disorder is an essential characteristic of components in the conserved circadian circuit. Cell Communication and Signaling, 2020, 18, 181.	6.5	36
16	Structure of the frequencyâ€interacting <scp>RNA</scp> helicase: a protein interaction hub for the circadianÂclock. EMBO Journal, 2016, 35, 1707-1719.	7.8	31
17	Light-Inducible System for Tunable Protein Expression inNeurospora crassa. G3: Genes, Genomes, Genetics, 2012, 2, 1207-1212.	1.8	29
18	Evolution to environmental contamination ablates the circadian clock of an aquatic sentinel species. Ecology and Evolution, 2017, 7, 10339-10349.	1.9	27

#	Article	IF	Citations
19	Prediction of Metabolite Concentrations, Rate Constants and Post-Translational Regulation Using Maximum Entropy-Based Simulations with Application to Central Metabolism of Neurospora crassa. Processes, 2018, 6, 63.	2.8	24
20	Circadian control of heparan sulfate levels times phagocytosis of amyloid beta aggregates. PLoS Genetics, 2022, 18, e1009994.	3.5	22
21	A Tool Set for the Genome-Wide Analysis of Neurospora crassa by RT-PCR. G3: Genes, Genomes, Genetics, 2015, 5, 2043-2049.	1.8	14
22	A fable of too much too fast. Nature, 2013, 495, 57-58.	27.8	12
23	Circadian Rhythms in Neurospora Exhibit Biologically Relevant Driven and Damped Harmonic Oscillations. , 2017, 2017, 455-463.		12
24	Characterizing Time-of-Day Conformational Changes in the Intrinsically Disordered Proteins of the Circadian Clock. Methods in Enzymology, 2018, 611, 503-529.	1.0	10
25	MOSAIC: a joint modeling methodology for combined circadian and non-circadian analysis of multi-omics data. Bioinformatics, 2021, 37, 767-774.	4.1	10
26	ENCORE. , 2019, 2019, 5-14.		8
27	6 Photobiology and Circadian Clocks in Neurospora. , 2014, , 121-148.		8
28	Circadian Interactomics: How Research Into Protein-Protein Interactions Beyond the Core Clock Has Influenced the Model of Circadian Timekeeping. Journal of Biological Rhythms, 2021, 36, 315-328.	2.6	7
29	Cytoplasmic traffic jams affect circadian timing. Science Translational Medicine, 2020, 12, .	12.4	4
30	4 From Genetics to Molecular Oscillations: The Circadian Clock in Neurospora crassa. , 2020, , 77-103.		2
31	A birthâ€toâ€death view of mRNA from the RNA recognition motif perspective. Biochemistry and Molecular Biology Education, 2008, 36, 1-8.	1.2	1
32	Could gut flora cycles be key to treating diabetes?. Science Translational Medicine, 2020, 12, .	12.4	1
33	Could COVID-19 eliminate the alarm clock?. Science Translational Medicine, 2021, 13, .	12.4	0
34	Can your diet change your clock?. Science Translational Medicine, 2020, 12, .	12.4	0
35	Can eating help treat malaria?. Science Translational Medicine, 2020, 12, .	12.4	0