Andrew C Liu

List of Publications by Year
in descending order

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48	7,084	126907	206112
papers	citations	33 h-index	48 g-index

55	55	55	7296
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A wrinkle in time: circadian biology in pulmonary vascular health and disease. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2022, 322, L84-L101.	2.9	3
2	Likelihood-based tests for detecting circadian rhythmicity and differential circadian patterns in transcriptomic applications. Briefings in Bioinformatics, 2021, 22, .	6.5	11
3	Reuniting the Body â€œNeck Up and Neck Downâ€•to Understand Cognitive Aging: The Nexus of Geroscience and Neuroscience. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2021, , .	3.6	5
4	NF-ÎºB modifies the mammalian circadian clock through interaction with the core clock protein BMAL1. PLoS Genetics, 2021, 17, e1009933.	3.5	39
5	Circadian Rhythm Effects on the Molecular Regulation of Physiological Systems. , 2021, 12, 2769-2798.		5
6	Circadian Synchrony: Sleep, Nutrition, and Physical Activity.. Frontiers in Network Physiology, 2021, 1, .	1.8	1
7	Innovations in Geroscience to enhance mobility in older adults. Experimental Gerontology, 2020, 142, 111123.	2.8	17
8	Kava as a Clinical Nutrient: Promises and Challenges. Nutrients, 2020, 12, 3044.	4.1	32
9	Systems Level Understanding of Circadian Integration with Cell Physiology. Journal of Molecular Biology, 2020, 432, 3547-3564.	4.2	24
10	The NRON complex controls circadian clock function through regulated PER and CRY nuclear translocation. Scientific Reports, 2019, 9, 11883.	3.3	23
11	The eIF2Î± Kinase GCN2 Modulates Period and Rhythmicity of the Circadian Clock by Translational Control of Atf4. Neuron, 2019, 104, 724-735.e6.	8.1	43
12	Developing Mammalian Cellular Clock Models Using Firefly Luciferase Reporter. Methods in Molecular Biology, 2018, 1755, 49-64.	0.9	2
13	Time-restricted feeding of a high-fat diet in male C57BL/6 mice reduces adiposity but does not protect against increased systemic inflammation. Applied Physiology, Nutrition and Metabolism, 2018, 43, 1033-1042.	1.9	33
14	Protein kinase p38Î± signaling in dendritic cells regulates colon inflammation and tumorigenesis. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E12313-E12322.	7.1	26
15	NRF2 regulates core and stabilizing circadian clock loops, coupling redox and timekeeping in Mus musculus. ELife, 2018, 7, .	6.0	84
16	mTOR signaling regulates central and peripheral circadian clock function. PLoS Genetics, 2018, 14, e1007369.	3.5	154
17	A Slow Conformational Switch in the BMAL1 Transactivation Domain Modulates Circadian Rhythms. Molecular Cell, 2017, 66, 447-457.e7.	9.7	66
18	Guidelines for Genome-Scale Analysis of Biological Rhythms. Journal of Biological Rhythms, 2017, 32, 380-393.	2.6	237

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19	CREBH Couples Circadian Clock With Hepatic Lipid Metabolism. Diabetes, 2016, 65, 3369-3383.	0.6	59
20	Mammalian retinal MÃ¼ller cells have circadian clock function. Molecular Vision, 2016, 22, 275-83.	1.1	15
21	Light-regulated translational control of circadian behavior by eIF4E phosphorylation. Nature Neuroscience, 2015, 18, 855-862.	14.8	71
22	Cryptochrome 1 regulates the circadian clock through dynamic interactions with the BMAL1 C terminus. Nature Structural and Molecular Biology, 2015, 22, 476-484.	8.2	137
23	Cell Type-Specific Functions of Period Genes Revealed by Novel Adipocyte and Hepatocyte Circadian Clock Models. PLoS Genetics, 2014, 10, e1004244.	3.5	119
24	Machine Learning Helps Identify CHRONO as a Circadian Clock Component. PLoS Biology, 2014, 12, e1001840.	5.6	109
25	Prevalence of cycling genes and drug targets calls for prospective chronotherapeutics. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 15869-15870.	7.1	9
26	Translational Control of Entrainment and Synchrony of the Suprachiasmatic Circadian Clock by mTOR/4E-BP1 Signaling. Neuron, 2013, 79, 712-724.	8.1	128
27	Identification of a Novel Cryptochrome Differentiating Domain Required for Feedback Repression in Circadian Clock Function. Journal of Biological Chemistry, 2012, 287, 25917-25926.	3.4	67
28	Cry1â^'/â^' Circadian Rhythmicity Depends on SCN Intercellular Coupling. Journal of Biological Rhythms, 2012, 27, 443-452.	2.6	78
29	Monitoring Cell-autonomous Circadian Clock Rhythms of Gene Expression Using Luciferase Bioluminescence Reporters. Journal of Visualized Experiments, 2012, , .	0.3	48
30	Delay in Feedback Repression by Cryptochrome 1 Is Required for Circadian Clock Function. Cell, 2011, 144, 268-281.	28.9	288
31	Circadian Regulation of ATP Release in Astrocytes. Journal of Neuroscience, 2011, 31, 8342-8350.	3.6	155
32	Cryptochrome mediates circadian regulation of cAMP signaling and hepatic gluconeogenesis. Nature Medicine, 2010, 16, 1152-1156.	30.7	465
33	Emergence of Noise-Induced Oscillations in the Central Circadian Pacemaker. PLoS Biology, 2010, 8, e1000513.	5.6	172
34	A model of the cell-autonomous mammalian circadian clock. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 11107-11112.	7.1	183
35	A Genome-wide RNAi Screen for Modifiers of the Circadian Clock in Human Cells. Cell, 2009, 139, 199-210.	28.9	437
36	A chemical biology approach reveals period shortening of the mammalian circadian clock by specific inhibition of GSK-3Î². Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 20746-20751.	7.1	273

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37	Redundant Function of REV-ERBÎ± and Î² and Non-Essential Role for Bmal1 Cycling in Transcriptional Regulation of Intracellular Circadian Rhythms. PLoS Genetics, 2008, 4, e1000023.	3.5	347
38	Intercellular Coupling Confers Robustness against Mutations in the SCN Circadian Clock Network. Cell, 2007, 129, 605-616.	28.9	676
39	Mammalian circadian signaling networks and therapeutic targets. Nature Chemical Biology, 2007, 3, 630-639.	8.0	162
40	The crystal structure of human IRE1 luminal domain reveals a conserved dimerization interface required for activation of the unfolded protein response. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 14343-14348.	7.1	293
41	The unfolded protein response represses differentiation through the RPD3-SIN3 histone deacetylase. EMBO Journal, 2004, 23, 2281-2292.	7.8	42
42	Bioluminescence Imaging of Individual Fibroblasts Reveals Persistent, Independently Phased Circadian Rhythms of Clock Gene Expression. Current Biology, 2004, 14, 2289-2295.	3.9	614
43	The unfolded protein response. Journal of Cell Science, 2003, 116, 1861-1862.	2.0	179
44	Structure and Intermolecular Interactions of the Luminal Dimerization Domain of Human IRE1Î±. Journal of Biological Chemistry, 2003, 278, 17680-17687.	3.4	93
45	The Protein Kinase/Endoribonuclease IRE1Î± That Signals the Unfolded Protein Response Has a Luminal N-terminal Ligand-independent Dimerization Domain. Journal of Biological Chemistry, 2002, 277, 18346-18356.	3.4	103
46	The unfolded protein response in nutrient sensing and differentiation. Nature Reviews Molecular Cell Biology, 2002, 3, 411-421.	37.0	540
47	Ligand-independent Dimerization Activates the Stress Response Kinases IRE1 and PERK in the Lumen of the Endoplasmic Reticulum. Journal of Biological Chemistry, 2000, 275, 24881-24885.	3.4	341
48	Construction and characterization of the soybean leaf metalloproteinase cDNA 1. FEBS Letters, 1997, 404, 283-288.	2.8	53