

Ron C Anafi

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

1,957
citations

516710

16
h-index

752698

20
g-index

27
all docs

27
docs citations

27
times ranked

2590
citing authors

#	ARTICLE	IF	CITATIONS
1	MetaCycle: an integrated R package to evaluate periodicity in large scale data. <i>Bioinformatics</i> , 2016, 32, 3351-3353.	4.1	413
2	A database of tissue-specific rhythmically expressed human genes has potential applications in circadian medicine. <i>Science Translational Medicine</i> , 2018, 10, .	12.4	217
3	CYCLOPS reveals human transcriptional rhythms in health and disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 5312-5317.	7.1	184
4	Clock Regulation of Metabolites Reveals Coupling between Transcription and Metabolism. <i>Cell Metabolism</i> , 2017, 25, 961-974.e4.	16.2	162
5	Exploring phylogeny to find the function of sleep. <i>Nature Reviews Neuroscience</i> , 2019, 20, 109-116.	10.2	124
6	Airway stability and heterogeneity in the constricted lung. <i>Journal of Applied Physiology</i> , 2001, 91, 1185-1192.	2.5	118
7	Machine Learning Helps Identify CHRONO as a Circadian Clock Component. <i>PLoS Biology</i> , 2014, 12, e1001840.	5.6	109
8	Population-level rhythms in human skin with implications for circadian medicine. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 12313-12318.	7.1	97
9	Design and analysis of large-scale biological rhythm studies: a comparison of algorithms for detecting periodic signals in biological data. <i>Bioinformatics</i> , 2013, 29, 3174-3180.	4.1	94
10	Sleep is not just for the brain: transcriptional responses to sleep in peripheral tissues. <i>BMC Genomics</i> , 2013, 14, 362.	2.8	88
11	Blood-Gene Expression Reveals Reduced Circadian Rhythmicity in Individuals Resistant to Sleep Deprivation. <i>Sleep</i> , 2014, 37, 1589-1600.	1.1	68
12	Mechanics of edematous lungs. <i>Journal of Applied Physiology</i> , 2001, 90, 2088-2093.	2.5	67
13	Discovering Biology in Periodic Data through Phase Set Enrichment Analysis (PSEA). <i>Journal of Biological Rhythms</i> , 2016, 31, 244-257.	2.6	63
14	Computational and experimental insights into the circadian effects of SIRT1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 11643-11648.	7.1	49
15	CRY1–CBS binding regulates circadian clock function and metabolism. <i>FEBS Journal</i> , 2021, 288, 614-639.	4.7	29
16	Impedance, gas mixing, and bimodal ventilation in constricted lungs. <i>Journal of Applied Physiology</i> , 2003, 94, 1003-1011.	2.5	26
17	Empirical model for dynamic force-length behavior of airway smooth muscle. <i>Journal of Applied Physiology</i> , 2002, 92, 455-460.	2.5	13
18	Balancing Robustness against the Dangers of Multiple Attractors in a Hopfield-Type Model of Biological Attractors. <i>PLoS ONE</i> , 2010, 5, e14413.	2.5	12

#	ARTICLE	IF	CITATIONS
19	Understanding Circadian Mechanisms of Sudden Cardiac Death: A Report From the National Heart, Lung, and Blood Institute Workshop, Part 1: Basic and Translational Aspects. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2021, 14, e010181.	4.8	8
20	Understanding Circadian Mechanisms of Sudden Cardiac Death: A Report From the National Heart, Lung, and Blood Institute Workshop, Part 2: Population and Clinical Considerations. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2021, 14, e010190.	4.8	3
21	Reply to Furlan et al.: The role of SIRT1 in cell autonomous clock function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 13173-13173.	7.1	0
22	Phylogeny and the function of sleep. , 2021, , .		0