Rosemary I Braun

List of Publications by Year
in descending order

37 papers	17,102 citations	394421 19 h-index	361022 35 g-index
42 all docs	42 docs citations	42 times ranked	23850 citing authors

#	Article	IF	Citations
1	Scalable molecular dynamics with NAMD. Journal of Computational Chemistry, 2005, 26, 1781-1802.	3.3	15,208
2	MicroRNA Expression in Squamous Cell Carcinoma and Adenocarcinoma of the Esophagus: Associations with Survival. Clinical Cancer Research, 2009, 15, 6192-6200.	7.0	347
3	Imaging the Migration Pathways for O_2, CO, NO, and Xe Inside Myoglobin. Biophysical Journal, 2006, 91, 1844-1857.	0.5	258
4	Acoustic Enhancement of Sleep Slow Oscillations and Concomitant Memory Improvement in Older Adults. Frontiers in Human Neuroscience, 2017, 11, 109.	2.0	183
5	Genetically engineered gold-binding polypeptides: structure prediction and molecular dynamics. Journal of Biomaterials Science, Polymer Edition, 2002, 13, 747-757.	3.5	143
6	NAD+ Controls Circadian Reprogramming through PER2 Nuclear Translocation to Counter Aging. Molecular Cell, 2020, 78, 835-849.e7.	9.7	116
7	Reconstructing Potentials of Mean Force through Time Series Analysis of Steered Molecular Dynamics Simulations. Journal of Computational Physics, 1999, 151, 190-211.	3.8	115
8	Universal method for robust detection of circadian state from gene expression. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E9247-E9256.	7.1	115
9	Molecular Dynamics Simulations of Micelle Formation around Dimeric Glycophorin A Transmembrane Helices. Biophysical Journal, 2004, 87, 754-763.	0.5	79
10	Pathways of Distinction Analysis: A New Technique for Multi–SNP Analysis of GWAS Data. PLoS Genetics, 2011, 7, e1002101.	3.5	56
11	Strengthening sleep–autonomic interaction via acoustic enhancement of slow oscillations. Sleep, 2019, 42, .	1.1	50
12	Needles in the Haystack: Identifying Individuals Present in Pooled Genomic Data. PLoS Genetics, 2009, 5, e1000668.	3.5	48
13	Discovery Analysis of TCGA Data Reveals Association between Germline Genotype and Survival in Ovarian Cancer Patients. PLoS ONE, 2013, 8, e55037.	2.5	30
14	Pro-inflammatory cytokine and high doses of ionizing radiation have similar effects on the expression of NF-kappaB-dependent genes. Cellular Signalling, 2018, 46, 23-31.	3.6	28
15	Integrative analysis reveals disrupted pathways regulated by microRNAs in cancer. Nucleic Acids Research, 2018, 46, 1089-1101.	14.5	28
16	Circadian Gene Expression Rhythms During Critical Illness. Critical Care Medicine, 2020, 48, e1294-e1299.	0.9	27
17	Light at night in older age is associated with obesity, diabetes, and hypertension. Sleep, 2023, 46, .	1.1	25
18	Identifying differential correlation in gene/pathway combinations. BMC Bioinformatics, 2008, 9, 488.	2.6	24

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19	regQTLs: Single nucleotide polymorphisms that modulate microRNA regulation of gene expression in tumors. PLoS Genetics, 2018, 14, e1007837.	3.5	24
20	Autonomic dysregulation and sleep homeostasis in insomnia. Sleep, 2021, 44, .	1.1	24
21	Systems Analysis of High-Throughput Data. Advances in Experimental Medicine and Biology, 2014, 844, 153-187.	1.6	21
22	Multi-SNP Analysis of GWAS Data Identifies Pathways Associated with Nonalcoholic Fatty Liver Disease. PLoS ONE, 2013, 8, e65982.	2.5	19
23	Habitual light exposure relative to circadian timing in delayed sleep-wake phase disorder. Sleep, 2018, 41, .	1.1	18
24	TimeTrial: An Interactive Application for Optimizing the Design and Analysis of Transcriptomic Time-Series Data in Circadian Biology Research. Journal of Biological Rhythms, 2020, 35, 439-451.	2.6	17
25	Comment on "Circadian rhythms in the absence of the clock gene *Bmal1* ". Science, 2021, 372, .	12.6	15
26	Partition decoupling for multi-gene analysis of gene expression profiling data. BMC Bioinformatics, 2011, 12, 497.	2.6	11
27	Handicap principle implies emergence of dimorphic ornaments. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20161970.	2.6	11
28	Time-lagged Ordered Lasso for network inference. BMC Bioinformatics, 2018, 19, 545.	2.6	11
29	Rest-activity rhythm disturbance in liver cirrhosis and association with cognitive impairment. Sleep, 2021, 44, .	1.1	10
30	Mutation, drift and selection in single-driver hematologic malignancy: Example of secondary myelodysplastic syndrome following treatment of inherited neutropenia. PLoS Computational Biology, 2019, 15, e1006664.	3.2	7
31	Semi-supervised network inference using simulated gene expression dynamics. Bioinformatics, 2018, 34, 1148-1156.	4.1	6
32	GeneSurrounder: network-based identification of disease genes in expression data. BMC Bioinformatics, 2019, 20, 229.	2.6	6
33	Reply to Laing et al.: Accurate prediction of circadian time across platforms. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 5206-5208.	7.1	6
34	TimeCycle: topology inspired method for the detection of cycling transcripts in circadian time-series data. Bioinformatics, 2021, 37, 4405-4413.	4.1	3
35	Validation of blood-based transcriptomic circadian phenotyping in older adults. Sleep, 2022, 45, .	1.1	1
36	Next steps for modelling the evolution of ornamental signals. Animal Behaviour, 2018, 138, e11-e13.	1.9	0

#	Article	IF	Citations
37	Abstract 740: Investigating the role of epigenetic mechanisms upon aberrant signaling network activation.. , 2013, , .		0