Scott A Rifkin

List of Publications by Year
in descending order

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Version: 2024-02-01

29 papers	5,410 citations	471509 17 h-index	501196 28 g-index
37 all docs	37 docs citations	37 times ranked	8372 citing authors

#	Article	IF	Citations
1	Tracking changes in behavioural dynamics using prediction error. PLoS ONE, 2021, 16, e0251053.	2.5	3
2	Networks of Causal Linkage Between Eigenmodes Characterize Behavioral Dynamics of Caenorhabditis elegans. PLoS Computational Biology, 2021, 17, e1009329.	3.2	7
3	The circadian clock and darkness control natural competence in cyanobacteria. Nature Communications, 2020, 11, 1688.	12.8	72
4	A larger target leads to faster evolution. ELife, 2020, 9, .	6.0	0
5	High-throughput interaction screens illuminate the role of c-di-AMP in cyanobacterial nighttime survival. PLoS Genetics, 2018, 14, e1007301.	3.5	39
6	Genome-wide fitness assessment during diurnal growth reveals an expanded role of the cyanobacterial circadian clock protein KaiA. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E7174-E7183.	7.1	55
7	A living vector field reveals constraints on galactose network induction in yeast. Molecular Systems Biology, 2017, 13, 908.	7.2	14
8	Mutagenesis of GATA motifs controlling the endoderm regulator elt-2 reveals distinct dominant and secondary cis- regulatory elements. Developmental Biology, 2016, 412, 160-170.	2.0	17
9	MED GATA factors promote robust development of the C. elegans endoderm. Developmental Biology, 2015, 404, 66-79.	2.0	35
10	Aro: a machine learning approach to identifying single molecules and estimating classification error in fluorescence microscopy images. BMC Bioinformatics, 2015, 16, 102.	2.6	18
11	The yeast galactose network as a quantitative model for cellular memory. Molecular BioSystems, 2015, 11, 28-37.	2.9	41
12	Ubiquitin-Mediated Response to Microsporidia and Virus Infection in C. elegans. PLoS Pathogens, 2014, 10, e1004200.	4.7	184
13	The Genotypeâ€“Phenotype Maps of Systems Biology and Quantitative Genetics: Distinct and Complementary. Advances in Experimental Medicine and Biology, 2012, 751, 371-398.	1.6	14
14	Identifying Fluorescently Labeled Single Molecules in Image Stacks Using Machine Learning. Methods in Molecular Biology, 2012, 772, 329-348.	0.9	10
15	Chromatin regulators shape the genotypeâ€“phenotype map. Molecular Systems Biology, 2010, 6, 434.	7.2	4
16	Variability in gene expression underlies incomplete penetrance. Nature, 2010, 463, 913-918.	27.8	607
17	Imaging individual mRNA molecules using multiple singly labeled probes. Nature Methods, 2008, 5, 877-879.	19.0	1,770
18	Revealing the architecture of gene regulation: the promise of eQTL studies. Trends in Genetics, 2008, 24, 408-415.	6.7	463

#	Article	IF	Citations
19	Genetic Properties Influencing the Evolvability of Gene Expression. Science, 2007, 317, 118-121.	12.6	310
20	Natural selection on gene expression. Trends in Genetics, 2006, 22, 456-461.	6.7	187
21	A mutation accumulation assay reveals a broad capacity for rapid evolution of gene expression. Nature, 2005, 438, 220-223.	27.8	175
22	Multi-species microarrays reveal the effect of sequence divergence on gene expression profiles. Genome Research, 2005, 15, 674-680.	5.5	155
23	A Gene Expression Map for the Euchromatic Genome of Drosophila melanogaster. Science, 2004, 306, 655-660.	12.6	275
24	Duplicate genes increase gene expression diversity within and between species. Nature Genetics, 2004, 36, 577-579.	21.4	170
25	A High Productivity/Low Maintenance Approach to High-performance Computation for Biomedicine: Four Case Studies. Journal of the American Medical Informatics Association: JAMIA, 2004, 12, 90-98.	4.4	3
26	Evolution of gene expression in the Drosophila melanogaster subgroup. Nature Genetics, 2003, 33, 138-144.	21.4	324
27	Constraint structure analysis of gene expression. Functional and Integrative Genomics, 2000, 1, 174-185.	3.5	8
28	Microarray Analysis of Drosophila Development During Metamorphosis. Science, 1999, 286, 2179-2184.	12.6	445
29	From Jawbones to Genomes: The History of a Science. Imagine, 1996, 4, 8-9.	0.0	0