Scott A Rifkin

List of Publications by Year
in descending order

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	Imaging individual mRNA molecules using multiple singly labeled probes. Nature Methods, 2008, 5, 877-879.	19.0	1,770
2	Variability in gene expression underlies incomplete penetrance. Nature, 2010, 463, 913-918.	27.8	607
3	Revealing the architecture of gene regulation: the promise of eQTL studies. Trends in Genetics, 2008, 24, 408-415.	6.7	463
4	Microarray Analysis of Drosophila Development During Metamorphosis. Science, 1999, 286, 2179-2184.	12.6	445
5	Evolution of gene expression in the Drosophila melanogaster subgroup. Nature Genetics, 2003, 33, 138-144.	21.4	324
6	Genetic Properties Influencing the Evolvability of Gene Expression. Science, 2007, 317, 118-121.	12.6	310
7	A Gene Expression Map for the Euchromatic Genome of Drosophila melanogaster. Science, 2004, 306, 655-660.	12.6	275
8	Natural selection on gene expression. Trends in Genetics, 2006, 22, 456-461.	6.7	187
9	Ubiquitin-Mediated Response to Microsporidia and Virus Infection in C. elegans. PLoS Pathogens, 2014, 10, e1004200.	4.7	184
10	A mutation accumulation assay reveals a broad capacity for rapid evolution of gene expression. Nature, 2005, 438, 220-223.	27.8	175
11	Duplicate genes increase gene expression diversity within and between species. Nature Genetics, 2004, 36, 577-579.	21.4	170
12	Multi-species microarrays reveal the effect of sequence divergence on gene expression profiles. Genome Research, 2005, 15, 674-680.	5.5	155
13	The circadian clock and darkness control natural competence in cyanobacteria. Nature Communications, 2020, 11, 1688.	12.8	72
14	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
15	The yeast galactose network as a quantitative model for cellular memory. Molecular BioSystems, 2015, 11, 28-37.	2.9	41
16	High-throughput interaction screens illuminate the role of c-di-AMP in cyanobacterial nighttime survival. PLoS Genetics, 2018, 14, e1007301.	3.5	39
17	MED GATA factors promote robust development of the C. elegans endoderm. Developmental Biology, 2015, 404, 66-79.	2.0	35
18	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

#	Article	IF	Citations
19	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
20	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
21	A living vector field reveals constraints on galactose network induction in yeast. Molecular Systems Biology, 2017, 13, 908.	7.2	14
22	Identifying Fluorescently Labeled Single Molecules in Image Stacks Using Machine Learning. Methods in Molecular Biology, 2012, 772, 329-348.	0.9	10
23	Constraint structure analysis of gene expression. Functional and Integrative Genomics, 2000, 1, 174-185.	3.5	8
24	Networks of Causal Linkage Between Eigenmodes Characterize Behavioral Dynamics of Caenorhabditis elegans. PLoS Computational Biology, 2021, 17, e1009329.	3.2	7
25	Chromatin regulators shape the genotypeâ€"phenotype map. Molecular Systems Biology, 2010, 6, 434.	7.2	4
26	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
27	Tracking changes in behavioural dynamics using prediction error. PLoS ONE, 2021, 16, e0251053.	2.5	3
28	From Jawbones to Genomes: The History of a Science. Imagine, 1996, 4, 8-9.	0.0	0
29	A larger target leads to faster evolution. ELife, 2020, 9, .	6.0	0