R Scott Mcisaac

List of Publications by Year
in descending order

16 papers	875 citations	687363 13 h-index	940533 16 g-index
21 all docs	21 docs citations	21 times ranked	1267 citing authors

#	Article	IF	Citations
1	A genomeâ€scale yeast library with inducible expression of individual genes. Molecular Systems Biology, 2021, 17, e10207.	7.2	37
2	Dual threshold optimization and network inference reveal convergent evidence from TF binding locations and TF perturbation responses. Genome Research, 2020, 30, 459-471.	5.5	24
3	Learning causal networks using inducible transcription factors and transcriptomeâ€wide time series. Molecular Systems Biology, 2020, 16, e9174.	7.2	51
4	Monomerization of far-red fluorescent proteins. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E11294-E11301.	7.1	24
5	Simultaneous Profiling of DNA Accessibility and Gene Expression Dynamics with ATAC-Seq and RNA-Seq. Methods in Molecular Biology, 2018, 1819, 317-333.	0.9	18
6	A new experimental platform facilitates assessment of the transcriptional and chromatin landscapes of aging yeast. ELife, 2018, 7, .	6.0	56
7	An estradiolâ€inducible promoter enables fast, graduated control of gene expression in fission yeast. Yeast, 2017, 34, 323-334.	1.7	20
8	From yeast to human: exploring the comparative biology of methionine restriction in extending eukaryotic life span. Annals of the New York Academy of Sciences, 2016, 1363, 155-170.	3.8	59
9	Recent advances in engineering microbial rhodopsins for optogenetics. Current Opinion in Structural Biology, 2015, 33, 8-15.	5.7	52
10	Directed Evolution of Gloeobacter violaceus Rhodopsin Spectral Properties. Journal of Molecular Biology, 2015, 427, 205-220.	4.2	85
11	Synthetic biology tools for programming gene expression without nutritional perturbations in Saccharomyces cerevisiae. Nucleic Acids Research, 2014, 42, e48-e48.	14.5	87
12	Synthetic gene expression perturbation systems with rapid, tunable, single-gene specificity in yeast. Nucleic Acids Research, 2013, 41, e57-e57.	14.5	141
13	Rapid Synthesis and Screening of Chemically Activated Transcription Factors with GFP-based Reporters. Journal of Visualized Experiments, 2013, , e51153.	0.3	11
14	Combinatorial control of diverse metabolic and physiological functions by transcriptional regulators of the yeast sulfur assimilation pathway. Molecular Biology of the Cell, 2012, 23, 3008-3024.	2.1	36
15	Perturbation-based analysis and modeling of combinatorial regulation in the yeast sulfur assimilation pathway. Molecular Biology of the Cell, 2012, 23, 2993-3007.	2.1	45
16	Fast-acting and nearly gratuitous induction of gene expression and protein depletion inSaccharomyces cerevisiae. Molecular Biology of the Cell, 2011, 22, 4447-4459.	2.1	120