

R Scott Mcisaac

List of Publications by Year in descending order

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Version: 2024-02-01

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