

David Botstein

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

1,833
citations

759233

12
h-index

1125743

13
g-index

14
all docs

14
docs citations

14
times ranked

2873
citing authors

#	ARTICLE	IF	CITATIONS
1	Coordination of Growth Rate, Cell Cycle, Stress Response, and Metabolic Activity in Yeast. <i>Molecular Biology of the Cell</i> , 2008, 19, 352-367.	2.1	524
2	Yeast: An Experimental Organism for 21st Century Biology. <i>Genetics</i> , 2011, 189, 695-704.	2.9	450
3	A molecular barcoded yeast ORF library enables mode-of-action analysis of bioactive compounds. <i>Nature Biotechnology</i> , 2009, 27, 369-377.	17.5	254
4	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
5	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
6	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
7	Characterizing the in vivo role of trehalose in <i>Saccharomyces cerevisiae</i> using the <i>ACT1</i> transporter. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 6116-6121.	7.1	77
8	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
9	Novel insights from a multiomics dissection of the Hayflick limit. <i>ELife</i> , 2022, 11, .	6.0	38
10	A genome-scale yeast library with inducible expression of individual genes. <i>Molecular Systems Biology</i> , 2021, 17, e10207.	7.2	37
11	The future of humans as model organisms. <i>Science</i> , 2018, 361, 552-553.	12.6	31
12	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
13	Rapid Synthesis and Screening of Chemically Activated Transcription Factors with GFP-based Reporters. <i>Journal of Visualized Experiments</i> , 2013, , e51153.	0.3	11