

CITATION REPORT

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Machine Learning Predicts the Yeast Metabolome from the Quantitative Proteome of Kinase Knockouts

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#	Paper	IF	Citations
68	Big data in yeast systems biology. <i>FEMS Yeast Research</i> , 2019 , 19,	3.1	7
67	Investigation of Proteomic and Phosphoproteomic Responses to Signaling Network Perturbations Reveals Functional Pathway Organizations in Yeast. <i>Cell Reports</i> , 2019 , 29, 2092-2104.e4	10.6	19
66	Disentangling Genetic and Environmental Effects on the Proteotypes of Individuals. <i>Cell</i> , 2019 , 177, 1308-1318.e10	36.1	1610
65	Biological insights through omics data integration. <i>Current Opinion in Systems Biology</i> , 2019 , 15, 39-47	3.2	32
64	Transcriptional regulation of metabolic flux: A <i>Caenorhabditis elegans</i> perspective. <i>Current Opinion in Systems Biology</i> , 2019 , 15, 12-18	3.2	2
63	Yeast Systems Biology: Model Organism and Cell Factory. <i>Biotechnology Journal</i> , 2019 , 14, e1800421	5.6	66
62	Identification of bioactive metabolites using activity metabolomics. <i>Nature Reviews Molecular Cell Biology</i> , 2019 , 20, 353-367	48.7	258
61	Allosteric Feedback Inhibition Enables Robust Amino Acid Biosynthesis in <i>E. coli</i> by Enforcing Enzyme Overabundance. <i>Cell Systems</i> , 2019 , 8, 66-75.e8	10.6	32
60	High-throughput screening for improved microbial cell factories, perspective and promise. <i>Current Opinion in Biotechnology</i> , 2020 , 62, 22-28	11.4	23
59	Stimulus response-based fine-tuning of polyhydroxyalkanoate pathway in <i>Halomonas</i> . <i>Metabolic Engineering</i> , 2020 , 57, 85-95	9.7	23
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57	Recent advances on constraint-based models by integrating machine learning. <i>Current Opinion in Biotechnology</i> , 2020 , 64, 85-91	11.4	23
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52	Deep learning suggests that gene expression is encoded in all parts of a co-evolving interacting gene regulatory structure. <i>Nature Communications</i> , 2020 , 11, 6141	17.4	25

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50	The era of big data: Genome-scale modelling meets machine learning. <i>Computational and Structural Biotechnology Journal</i> , 2020 , 18, 3287-3300	6.8	21
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43	Systems metabolomics: from metabolomic snapshots to design principles. <i>Current Opinion in Biotechnology</i> , 2020 , 63, 190-199	11.4	24
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41	Multi-omics Analysis of CRISPRi-Knockdowns Identifies Mechanisms that Buffer Decreases of Enzymes in E. coli Metabolism. <i>Cell Systems</i> , 2021 , 12, 56-67.e6	10.6	18
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