

IvÃ;n Domenzain

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

838
citations

1040056

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17
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17
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1045
citing authors

#	ARTICLE	IF	CITATIONS
1	RAVEN 2.0: A versatile toolbox for metabolic network reconstruction and a case study on <i>Streptomyces coelicolor</i> . PLoS Computational Biology, 2018, 14, e1006541.	3.2	228
2	An atlas of human metabolism. Science Signaling, 2020, 13, .	3.6	223
3	A consensus <i>S. cerevisiae</i> metabolic model Yeast8 and its ecosystem for comprehensively probing cellular metabolism. Nature Communications, 2019, 10, 3586.	12.8	217
4	Reconstruction of a catalogue of genome-scale metabolic models with enzymatic constraints using GECKO 2.0. Nature Communications, 2022, 13, .	12.8	39
5	Genome-scale modeling drives 70-fold improvement of intracellular heme production in <i>Saccharomyces cerevisiae</i> . Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	29
6	Stress-induced expression is enriched for evolutionarily young genes in diverse budding yeasts. Nature Communications, 2020, 11, 2144.	12.8	24
7	Yeast metabolic innovations emerged via expanded metabolic network and gene positive selection. Molecular Systems Biology, 2021, 17, e10427.	7.2	17
8	A novel yeast hybrid modeling framework integrating Boolean and enzyme-constrained networks enables exploration of the interplay between signaling and metabolism. PLoS Computational Biology, 2021, 17, e1008891.	3.2	16
9	Benchmarking accuracy and precision of intensity-based absolute quantification of protein abundances in <i>Saccharomyces cerevisiae</i> . Proteomics, 2021, 21, e2000093.	2.2	13
10	Evaluating accessibility, usability and interoperability of genome-scale metabolic models for diverse yeasts species. FEMS Yeast Research, 2021, 21, .	2.3	6
11	Identification of a novel gene required for competitive growth at high temperature in the thermotolerant yeast <i>Kluyveromyces marxianus</i> . Microbiology (United Kingdom), 2022, 168, .	1.8	5