IvÃ¡n Domenzain

List of Publications by Year
in descending order

11 papers	838 citations	1040056 9 h-index	1281871 11 g-index
17 all docs	17 docs citations	17 times ranked	1045 citing authors

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