

Matthias P Gerstl

List of Publications by Year in descending order

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papers

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9
docs citations

9
times ranked

337
citing authors

#	ARTICLE	IF	CITATIONS
1	From elementary flux modes to elementary flux vectors: Metabolic pathway analysis with arbitrary linear flux constraints. PLoS Computational Biology, 2017, 13, e1005409.	3.2	60
2	What can mathematical modelling say about CHO metabolism and protein glycosylation?. Computational and Structural Biotechnology Journal, 2017, 15, 212-221.	4.1	44
3	Modulation of mammalian translation by a ribosome-associated tRNA half. RNA Biology, 2020, 17, 1125-1136.	3.1	27
4	Avoiding the Enumeration of Infeasible Elementary Flux Modes by Including Transcriptional Regulatory Rules in the Enumeration Process Saves Computational Costs. PLoS ONE, 2015, 10, e0129840.	2.5	15
5	Exact quantification of cellular robustness in genome-scale metabolic networks. Bioinformatics, 2016, 32, 730-737.	4.1	15
6	Which sets of elementary flux modes form thermodynamically feasible flux distributions?. FEBS Journal, 2016, 283, 1782-1794.	4.7	14
7	Flux tope analysis: studying the coordination of reaction directions in metabolic networks. Bioinformatics, 2019, 35, 266-273.	4.1	14
8	Genetic and Epigenetic Variation across Genes Involved in Energy Metabolism and Mitochondria of Chinese Hamster Ovary Cell Lines. Biotechnology Journal, 2019, 14, e1800681.	3.5	13
9	CHOMine: an integrated data warehouse for CHO systems biology and modeling. Database: the Journal of Biological Databases and Curation, 2017, 2017, .	3.0	2