

Meric Ataman

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6196489/publications.pdf>

Version: 2024-02-01

16
papers

1,027
citations

687363

13
h-index

839539

18
g-index

24
all docs

24
docs citations

24
times ranked

1501
citing authors

#	ARTICLE	IF	CITATIONS
1	MEMOTE for standardized genome-scale metabolic model testing. Nature Biotechnology, 2020, 38, 272-276.	17.5	314
2	Sustainability assessment of succinic acid production technologies from biomass using metabolic engineering. Energy and Environmental Science, 2016, 9, 2794-2805.	30.8	93
3	Heading in the right direction: thermodynamics-based network analysis and pathway engineering. Current Opinion in Biotechnology, 2015, 36, 176-182.	6.6	86
4	pyTFA and matTFA: a Python package and a Matlab toolbox for Thermodynamics-based Flux Analysis. Bioinformatics, 2019, 35, 167-169.	4.1	75
5	The SIB Swiss Institute of Bioinformatics's™ resources: focus on curated databases. Nucleic Acids Research, 2016, 44, D27-D37.	14.5	64
6	redGEM: Systematic reduction and analysis of genome-scale metabolic reconstructions for development of consistent core metabolic models. PLoS Computational Biology, 2017, 13, e1005444.	3.2	61
7	Modeling metabolic networks of individual bacterial agents in heterogeneous and dynamic soil habitats (IndiMeSH). PLoS Computational Biology, 2019, 15, e1007127.	3.2	45
8	Bioenergetics-based modeling of Plasmodium falciparum metabolism reveals its essential genes, nutritional requirements, and thermodynamic bottlenecks. PLoS Computational Biology, 2017, 13, e1005397.	3.2	44
9	lumpGEM: Systematic generation of subnetworks and elementally balanced lumped reactions for the biosynthesis of target metabolites. PLoS Computational Biology, 2017, 13, e1005513.	3.2	39
10	Kinetic models of metabolism that consider alternative steady-state solutions of intracellular fluxes and concentrations. Metabolic Engineering, 2019, 52, 29-41.	7.0	36
11	Discovery and Evaluation of Biosynthetic Pathways for the Production of Five Methyl Ethyl Ketone Precursors. ACS Synthetic Biology, 2018, 7, 1858-1873.	3.8	29
12	Exploring biochemical pathways for mono-ethylene glycol (MEG) synthesis from synthesis gas. Metabolic Engineering, 2017, 41, 173-181.	7.0	26
13	Analysis of human metabolism by reducing the complexity of the genome-scale models using redHUMAN. Nature Communications, 2020, 11, 2821.	12.8	19
14	Integration of metabolic, regulatory and signaling networks towards analysis of perturbation and dynamic responses. Current Opinion in Systems Biology, 2017, 2, 59-66.	2.6	13
15	CFlm-mediated alternative polyadenylation remodels cellular signaling and miRNA biogenesis. Nucleic Acids Research, 2022, 50, 3096-3114.	14.5	13
16	Constraint-based metabolic control analysis for rational strain engineering. Metabolic Engineering, 2021, 66, 191-203.	7.0	12