Meric Ataman

List of Publications by Year
in descending order

16 papers	1,027 citations	686830 13 h-index	839053 18 g-index
24 all docs	24 docs citations	24 times ranked	1501 citing authors

#	Article	IF	Citations
1	CFIm-mediated alternative polyadenylation remodels cellular signaling and miRNA biogenesis. Nucleic Acids Research, 2022, 50, 3096-3114.	6.5	13
2	Constraint-based metabolic control analysis for rational strain engineering. Metabolic Engineering, 2021, 66, 191-203.	3.6	12
3	Analysis of human metabolism by reducing the complexity of the genome-scale models using redHUMAN. Nature Communications, 2020, 11, 2821.	5.8	19
4	MEMOTE for standardized genome-scale metabolic model testing. Nature Biotechnology, 2020, 38, 272-276.	9.4	314
5	pyTFA and matTFA: a Python package and a Matlab toolbox for Thermodynamics-based Flux Analysis. Bioinformatics, 2019, 35, 167-169.	1.8	75
6	Modeling metabolic networks of individual bacterial agents in heterogeneous and dynamic soil habitats (IndiMeSH). PLoS Computational Biology, 2019, 15, e1007127.	1.5	45
7	Kinetic models of metabolism that consider alternative steady-state solutions of intracellular fluxes and concentrations. Metabolic Engineering, 2019, 52, 29-41.	3.6	36
8	Discovery and Evaluation of Biosynthetic Pathways for the Production of Five Methyl Ethyl Ketone Precursors. ACS Synthetic Biology, 2018, 7, 1858-1873.	1.9	29
9	Integration of metabolic, regulatory and signaling networks towards analysis of perturbation and dynamic responses. Current Opinion in Systems Biology, 2017, 2, 59-66.	1.3	13
10	Exploring biochemical pathways for mono-ethylene glycol (MEG) synthesis from synthesis gas. Metabolic Engineering, 2017, 41, 173-181.	3.6	26
11	Bioenergetics-based modeling of Plasmodium falciparum metabolism reveals its essential genes, nutritional requirements, and thermodynamic bottlenecks. PLoS Computational Biology, 2017, 13, e1005397.	1.5	44
12	redGEM: Systematic reduction and analysis of genome-scale metabolic reconstructions for development of consistent core metabolic models. PLoS Computational Biology, 2017, 13, e1005444.	1.5	61
13	lumpGEM: Systematic generation of subnetworks and elementally balanced lumped reactions for the biosynthesis of target metabolites. PLoS Computational Biology, 2017, 13, e1005513.	1.5	39
14	Sustainability assessment of succinic acid production technologies from biomass using metabolic engineering. Energy and Environmental Science, 2016, 9, 2794-2805.	15.6	93
15	The SIB Swiss Institute of Bioinformatics' resources: focus on curated databases. Nucleic Acids Research, 2016, 44, D27-D37.	6.5	64
16	Heading in the right direction: thermodynamics-based network analysis and pathway engineering. Current Opinion in Biotechnology, 2015, 36, 176-182.	3.3	86