

# 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

686830

13  
h-index

839053

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