

Anupam Chowdhury

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

580
citations

840776

11
h-index

1125743

13
g-index

13
all docs

13
docs citations

13
times ranked

965
citing authors

#	ARTICLE	IF	CITATIONS
1	Pareto Optimality Explanation of the Glycolytic Alternatives in Nature. <i>Scientific Reports</i> , 2019, 9, 2633.	3.3	16
2	Engineering of <i>E. coli</i> inherent fatty acid biosynthesis capacity to increase octanoic acid production. <i>Biotechnology for Biofuels</i> , 2018, 11, 87.	6.2	24
3	Multilevel engineering of the upstream module of aromatic amino acid biosynthesis in <i>Saccharomyces cerevisiae</i> for high production of polymer and drug precursors. <i>Metabolic Engineering</i> , 2017, 42, 134-144.	7.0	79
4	A microbial factory for diverse chemicals. <i>Nature Biotechnology</i> , 2016, 34, 513-515.	17.5	3
5	Designing overall stoichiometric conversions and intervening metabolic reactions. <i>Scientific Reports</i> , 2015, 5, 16009.	3.3	47
6	Using Gene Essentiality and Synthetic Lethality Information to Correct Yeast and CHO Cell Genome-Scale Models. <i>Metabolites</i> , 2015, 5, 536-570.	2.9	31
7	Advances in de novo strain design using integrated systems and synthetic biology tools. <i>Current Opinion in Chemical Biology</i> , 2015, 28, 105-114.	6.1	30
8	Improving prediction fidelity of cellular metabolism with kinetic descriptions. <i>Current Opinion in Biotechnology</i> , 2015, 36, 57-64.	6.6	35
9	Personalized Kinetic Models for Predictive Healthcare. <i>Cell Systems</i> , 2015, 1, 250-251.	6.2	2
10	Bilevel optimization techniques in computational strain design. <i>Computers and Chemical Engineering</i> , 2015, 72, 363-372.	3.8	35
11	k-OptForce: Integrating Kinetics with Flux Balance Analysis for Strain Design. <i>PLoS Computational Biology</i> , 2014, 10, e1003487.	3.2	117
12	Recent advances in the reconstruction of metabolic models and integration of omics data. <i>Current Opinion in Biotechnology</i> , 2014, 29, 39-45.	6.6	115
13	Succinate Overproduction: A Case Study of Computational Strain Design Using a Comprehensive <i>Escherichia coli</i> Kinetic Model. <i>Frontiers in Bioengineering and Biotechnology</i> , 2014, 2, 76.	4.1	46