Anupam Chowdhury

List of Publications by Year
in descending order

13	580	840776 11	1125743 13
papers	citations	h-index	g-index

13	13	13	965
all docs	docs citations	times ranked	citing authors

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