

Ahmad A Mannan

List of Publications by Year in descending order

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622
citing authors

#	ARTICLE	IF	CITATIONS
1	Trade-Offs in Biosensor Optimization for Dynamic Pathway Engineering. ACS Synthetic Biology, 2022, 11, 228-240.	3.8	13
2	gcFront: a tool for determining a Pareto front of growth-coupled cell factory designs. Bioinformatics, 2022, 38, 3657-3659.	4.1	3
3	Designing an irreversible metabolic switch for scalable induction of microbial chemical production. Nature Communications, 2021, 12, 3419.	12.8	13
4	Metabolite Sequestration Enables Rapid Recovery from Fatty Acid Depletion in Escherichia coli. MBio, 2020, 11, .	4.1	13
5	Multiobjective optimization of gene circuits for metabolic engineering. IFAC-PapersOnLine, 2019, 52, 13-16.	0.9	5
6	Dynamic metabolic control: towards precision engineering of metabolism. Journal of Industrial Microbiology and Biotechnology, 2018, 45, 535-543.	3.0	86
7	Fundamental Design Principles for Transcription-Factor-Based Metabolite Biosensors. ACS Synthetic Biology, 2017, 6, 1851-1859.	3.8	152
8	Signaling Tug-of-War Delivers the Whole Message. Cell Systems, 2016, 3, 414-416.	6.2	0
9	MUFINS: multi-formalism interaction network simulator. Npj Systems Biology and Applications, 2016, 2, 16032.	3.0	18
10	Integrating Kinetic Model of E. coli with Genome Scale Metabolic Fluxes Overcomes Its Open System Problem and Reveals Bistability in Central Metabolism. PLoS ONE, 2015, 10, e0139507.	2.5	23
11	Interrogation of global mutagenesis data with a genome scale model of Neisseria meningitidis to assess gene fitness in vitro and in sera. Genome Biology, 2011, 12, R127.	9.6	30
12	Modeling and simulation of the main metabolism in Escherichia coli and its several single-gene knockout mutants with experimental verification. Microbial Cell Factories, 2010, 9, 88.	4.0	68