Lin Wang

List of Publications by Year
in descending order

14	1,270	933264 10	1058333 14
papers	citations	h-index	g-index

16	16	16	2035
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Recent advances in constraint and machine learning-based metabolic modeling by leveraging stoichiometric balances, thermodynamic feasibility and kinetic law formalisms. Metabolic Engineering, 2021, 63, 13-33.	3.6	26
2	Building kinetic models for metabolic engineering. Current Opinion in Biotechnology, 2021, 67, 35-41.	3.3	30
3	A Genome-Scale Metabolic Model of Anabaena 33047 to Guide Genetic Modifications to Overproduce Nylon Monomers. Metabolites, 2021, 11, 168.	1.3	4
4	Computationally Prospecting Potential Pathways from Lignin Monomers and Dimers toward Aromatic Compounds. ACS Synthetic Biology, 2021, 10, 1064-1076.	1.9	4
5	dGPredictor: Automated fragmentation method for metabolic reaction free energy prediction and de novo pathway design. PLoS Computational Biology, 2021, 17, e1009448.	1.5	8
6	Metabolic flux analysis reaching genome wide coverage: lessons learned and future perspectives. Current Opinion in Chemical Engineering, 2020, 30, 17-25.	3.8	7
7	Pareto Optimality Explanation of the Glycolytic Alternatives in Nature. Scientific Reports, 2019, 9, 2633.	1.6	16
8	Creation and analysis of biochemical constraint-based models using the COBRA Toolbox v.3.0. Nature Protocols, 2019, 14, 639-702.	5.5	833
9	Exploring the combinatorial space of complete pathways to chemicals. Biochemical Society Transactions, 2018, 46, 513-522.	1.6	14
10	MinGenome: An In Silico Top-Down Approach for the Synthesis of Minimized Genomes. ACS Synthetic Biology, 2018, 7, 462-473.	1.9	45
11	Pathway design using de novo steps through uncharted biochemical spaces. Nature Communications, 2018, 9, 184.	5.8	77
12	Accelerating flux balance calculations in genome-scale metabolic models by localizing the application of loopless constraints. Bioinformatics, 2018, 34, 4248-4255.	1.8	22
13	Standardizing biomass reactions and ensuring complete mass balance in genome-scale metabolic models. Bioinformatics, 2017, 33, 3603-3609.	1.8	86
14	A review of computational tools for design and reconstruction of metabolic pathways. Synthetic and Systems Biotechnology, 2017, 2, 243-252.	1.8	98