

Ali R Zomorodi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6766755/publications.pdf>

Version: 2024-02-01

10
papers

1,372
citations

933447

10
h-index

1372567

10
g-index

11
all docs

11
docs citations

11
times ranked

1558
citing authors

#	ARTICLE	IF	CITATIONS
1	OptCom: A Multi-Level Optimization Framework for the Metabolic Modeling and Analysis of Microbial Communities. PLoS Computational Biology, 2012, 8, e1002363.	3.2	322
2	Synthetic Ecology of Microbes: Mathematical Models and Applications. Journal of Molecular Biology, 2016, 428, 837-861.	4.2	198
3	d-OptCom: Dynamic Multi-level and Multi-objective Metabolic Modeling of Microbial Communities. ACS Synthetic Biology, 2014, 3, 247-257.	3.8	180
4	A kinetic model of Escherichia coli core metabolism satisfying multiple sets of mutant flux data. Metabolic Engineering, 2014, 25, 50-62.	7.0	160
5	Genome-driven evolutionary game theory helps understand the rise of metabolic interdependencies in microbial communities. Nature Communications, 2017, 8, 1563.	12.8	130
6	Mathematical optimization applications in metabolic networks. Metabolic Engineering, 2012, 14, 672-686.	7.0	123
7	k-OptForce: Integrating Kinetics with Flux Balance Analysis for Strain Design. PLoS Computational Biology, 2014, 10, e1003487.	3.2	117
8	Improving the iMM904 S. cerevisiae metabolic model using essentiality and synthetic lethality data. BMC Systems Biology, 2010, 4, 178.	3.0	88
9	Computational modeling of metabolism in microbial communities on a genome-scale. Current Opinion in Systems Biology, 2021, 26, 46-57.	2.6	29
10	Optimization-driven identification of genetic perturbations accelerates the convergence of model parameters in ensemble modeling of metabolic networks. Biotechnology Journal, 2013, 8, 1090-1104.	3.5	22