

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