

Michihiro Araki

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

5,704
citations

932766

10
h-index

940134

16
g-index

16
all docs

16
docs citations

16
times ranked

9062
citing authors

#	ARTICLE	IF	CITATIONS
1	Machine learning discovery of missing links that mediate alternative branches to plant alkaloids. <i>Nature Communications</i> , 2022, 13, 1405.	5.8	10
2	Pathway engineering for high-yield production of lutein in <i>Escherichia coli</i> . <i>Synthetic Biology</i> , 2021, 6, ysab012.	1.2	10
3	Knowledge extraction from literature and enzyme sequences complements FBA analysis in metabolic engineering. <i>Biotechnology Journal</i> , 2021, 16, e2000443.	1.8	2
4	Mangrove crab intestine and habitat sediment microbiomes cooperatively work on carbon and nitrogen cycling. <i>PLoS ONE</i> , 2021, 16, e0261654.	1.1	8
5	Dynamic Flux Balance Analysis to Evaluate the Strain Production Performance on Shikimic Acid Production in <i>Escherichia coli</i> . <i>Metabolites</i> , 2020, 10, 198.	1.3	14
6	Exploration and Evaluation of Machine Learning-Based Models for Predicting Enzymatic Reactions. <i>Journal of Chemical Information and Modeling</i> , 2020, 60, 1833-1843.	2.5	17
7	Reconstruction of metabolic pathway for isobutanol production in <i>Escherichia coli</i> . <i>Microbial Cell Factories</i> , 2019, 18, 124.	1.9	24
8	Mechanism-based tuning of insect 3,4-dihydroxyphenylacetaldehyde synthase for synthetic bioproduction of benzylisoquinoline alkaloids. <i>Nature Communications</i> , 2019, 10, 2015.	5.8	26
9	Improvement of oxidized glutathione fermentation by thiol redox metabolism engineering in <i>Saccharomyces cerevisiae</i> . <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 9771-9778.	1.7	13
10	Evaluation of genes involved in oxidative phosphorylation in yeast by developing a simple and rapid method to measure mitochondrial ATP synthetic activity. <i>Microbial Cell Factories</i> , 2015, 14, 56.	1.9	5
11	M-path: a compass for navigating potential metabolic pathways. <i>Bioinformatics</i> , 2015, 31, 905-911.	1.8	26
12	Development of bio-based fine chemical production through synthetic bioengineering. <i>Microbial Cell Factories</i> , 2014, 13, 173.	1.9	42
13	Development of a multi-gene expression system in <i>Xanthophyllomyces dendrorhous</i> . <i>Microbial Cell Factories</i> , 2014, 13, 175.	1.9	33
14	Evaluation and screening of efficient promoters to improve astaxanthin production in <i>Xanthophyllomyces dendrorhous</i> . <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 6787-6793.	1.7	22
15	KEGG for linking genomes to life and the environment. <i>Nucleic Acids Research</i> , 2007, 36, D480-D484.	6.5	5,451