

Joonhoon Kim

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

888
citations

686830

13
h-index

839053

18
g-index

23
all docs

23
docs citations

23
times ranked

1065
citing authors

#	ARTICLE	IF	CITATIONS
1	Machine learning for metabolic engineering: A review. <i>Metabolic Engineering</i> , 2021, 63, 34-60.	3.6	135
2	Multimiomics Data Collection, Visualization, and Utilization for Guiding Metabolic Engineering. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 612893.	2.0	7
3	Genetically Engineered Oleaginous Yeast <i>Lipomyces starkeyi</i> for Sesquiterpene Î±-Zingiberene Production. <i>ACS Synthetic Biology</i> , 2021, 10, 1000-1008.	1.9	5
4	Integration of Proteomics and Metabolomics Into the Design, Build, Test, Learn Cycle to Improve 3-Hydroxypropionic Acid Production in <i>Aspergillus pseudoterreus</i> . <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 603832.	2.0	12
5	Further engineering of <i>R. toruloides</i> for the production of terpenes from lignocellulosic biomass. <i>Biotechnology for Biofuels</i> , 2021, 14, 101.	6.2	31
6	High-Throughput Large-Scale Targeted Proteomics Assays for Quantifying Pathway Proteins in <i>Pseudomonas putida</i> KT2440. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 603488.	2.0	10
7	Multi-Omics Driven Metabolic Network Reconstruction and Analysis of Lignocellulosic Carbon Utilization in <i>Rhodospiridium toruloides</i> . <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 612832.	2.0	25
8	Systems Metabolic Engineering of <i>Escherichia coli</i> Improves Coconversion of Lignocellulose-Derived Sugars. <i>Biotechnology Journal</i> , 2019, 14, e1800441.	1.8	9
9	Transcriptomic analysis of the oleaginous yeast <i>Lipomyces starkeyi</i> during lipid accumulation on enzymatically treated corn stover hydrolysate. <i>Biotechnology for Biofuels</i> , 2019, 12, 162.	6.2	24
10	A toolset of constitutive promoters for metabolic engineering of <i>Rhodospiridium toruloides</i> . <i>Microbial Cell Factories</i> , 2019, 18, 117.	1.9	50
11	Integrated analysis of isopentenyl pyrophosphate (IPP) toxicity in isoprenoid-producing <i>Escherichia coli</i> . <i>Metabolic Engineering</i> , 2018, 47, 60-72.	3.6	106
12	Forward genetics screen coupled with whole-genome resequencing identifies novel gene targets for improving heterologous enzyme production in <i>Aspergillus niger</i> . <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 1797-1807.	1.7	15
13	Aromatic inhibitors derived from ammonia-pretreated lignocellulose hinder bacterial ethanologensis by activating regulatory circuits controlling inhibitor efflux and detoxification. <i>Frontiers in Microbiology</i> , 2014, 5, 402.	1.5	46
14	Refining metabolic models and accounting for regulatory effects. <i>Current Opinion in Biotechnology</i> , 2014, 29, 34-38.	3.3	23
15	RELATCH: relative optimality in metabolic networks explains robust metabolic and regulatory responses to perturbations. <i>Genome Biology</i> , 2012, 13, R78.	13.9	78
16	Microbial Strain Design for Biochemical Production Using Mixed-integer Programming Techniques. <i>Computer Aided Chemical Engineering</i> , 2011, , 1306-1310.	0.3	0
17	Large-Scale Bi-Level Strain Design Approaches and Mixed-Integer Programming Solution Techniques. <i>PLoS ONE</i> , 2011, 6, e24162.	1.1	77
18	OptORF: Optimal metabolic and regulatory perturbations for metabolic engineering of microbial strains. <i>BMC Systems Biology</i> , 2010, 4, 53.	3.0	188

#	ARTICLE	IF	CITATIONS
19	An Automated Phenotype-Driven Approach (GeneForce) for Refining Metabolic and Regulatory Models. PLoS Computational Biology, 2010, 6, e1000970.	1.5	43