

Chao Wu

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

543
citations

1040056

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h-index

1058476

14
g-index

19
all docs

19
docs citations

19
times ranked

803
citing authors

#	ARTICLE	IF	CITATIONS
1	Computational Framework for Machine-Learning-Enabled ¹³ C Fluxomics. ACS Synthetic Biology, 2022, 11, 103-115.	3.8	6
2	Acetyl-CoA synthesis through a bicyclic carbon-fixing pathway in gas-fermenting bacteria. , 2022, 1, 615-625.		16
3	Exogenous electricity flowing through cyanobacterial photosystem I drives CO ₂ valorization with high energy efficiency. Energy and Environmental Science, 2021, 14, 5480-5490.	30.8	19
4	ATP Drives Efficient Terpene Biosynthesis in Marine Thraustochytrids. MBio, 2021, 12, e0088121.	4.1	11
5	Thermodynamic and Kinetic Modeling of Co-utilization of Glucose and Xylose for 2,3-BDO Production by Zymomonas mobilis. Frontiers in Bioengineering and Biotechnology, 2021, 9, 707749.	4.1	3
6	Biotechnology for secure biocontainment designs in an emerging bioeconomy. Current Opinion in Biotechnology, 2021, 71, 25-31.	6.6	23
7	A generalized computational framework to streamline thermodynamics and kinetics analysis of metabolic pathways. Metabolic Engineering, 2020, 57, 140-150.	7.0	27
8	A quantitative lens on anaerobic life: leveraging the state-of-the-art fluxomics approach to explore clostridial metabolism. Current Opinion in Biotechnology, 2020, 64, 47-54.	6.6	5
9	EMUlator: An Elementary Metabolite Unit (EMU) Based Isotope Simulator Enabled by Adjacency Matrix. Frontiers in Microbiology, 2019, 10, 922.	3.5	4
10	Isotope-Assisted Metabolite Analysis Sheds Light on Central Carbon Metabolism of a Model Cellulolytic Bacterium Clostridium thermocellum. Frontiers in Microbiology, 2018, 9, 1947.	3.5	20
11	Kinetic flux profiling dissects nitrogen utilization pathways in the oleaginous green alga <i>Chlorella protothecoides</i> . Journal of Phycology, 2016, 52, 116-124.	2.3	23
12	Metabolic Flux Analysis of Lipid Biosynthesis in the Yeast Yarrowia lipolytica Using ¹³ C-Labeled Glucose and Gas Chromatography-Mass Spectrometry. PLoS ONE, 2016, 11, e0159187.	2.5	36
13	Genome-Based Metabolic Mapping and ¹³ C Flux Analysis Reveal Systematic Properties of an Oleaginous Microalga <i>Chlorella protothecoides</i> . Plant Physiology, 2015, 167, 586-599.	4.8	82
14	Double CO ₂ fixation in photosynthesis-fermentation model enhances algal lipid synthesis for biodiesel production. Bioresource Technology, 2010, 101, 2287-2293.	9.6	158
15	¹³ C-Tracer and Gas Chromatography-Mass Spectrometry Analyses Reveal Metabolic Flux Distribution in the Oleaginous Microalga <i>Chlorella protothecoides</i> . Plant Physiology, 2010, 154, 1001-1011.	4.8	108