

Shih-I Tan

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6048208/publications.pdf>

Version: 2024-02-01

23
papers

606
citations

758635

12
h-index

642321

23
g-index

23
all docs

23
docs citations

23
times ranked

526
citing authors

#	ARTICLE	IF	CITATIONS
1	High-level production and extraction of C-phycoerythrin from cyanobacteria <i>Synechococcus</i> sp. PCC7002 for antioxidation, antibacterial and lead adsorption. <i>Environmental Research</i> , 2022, 206, 112283.	3.7	11
2	New insight into the codon usage and medium optimization toward stable and high-level 5-aminolevulinic acid production in <i>Escherichia coli</i> . <i>Biochemical Engineering Journal</i> , 2022, 177, 108259.	1.8	13
3	Tailoring key enzymes for renewable and high-level itaconic acid production using genetic <i>Escherichia coli</i> via whole-cell bioconversion. <i>Enzyme and Microbial Technology</i> , 2022, 160, 110087.	1.6	6
4	Genetic design of co-expressed <i>Mesorhizobium loti</i> carbonic anhydrase and chaperone GroELs to enhancing carbon dioxide sequestration. <i>International Journal of Biological Macromolecules</i> , 2021, 167, 326-334.	3.6	31
5	Pyridoxal kinase PdxY mediated carbon dioxide assimilation to enhance the biomass in <i>Chlamydomonas reinhardtii</i> CC-400. <i>Bioresource Technology</i> , 2021, 322, 124530.	4.8	15
6	Enhanced recombinant <i>Sulfolobus solfataricus</i> carbonic anhydrase activity and thermostability by chaperone GroELs for carbon dioxide biomineralization. <i>Chemosphere</i> , 2021, 271, 128461.	4.2	8
7	CRISPRi-Mediated NIMPLY Logic Gate for Fine-Tuning the Whole-Cell Sensing toward Simple Urine Glucose Detection. <i>ACS Synthetic Biology</i> , 2021, 10, 412-421.	1.9	8
8	Development of <i>Escherichia coli</i> Nissle 1917 derivative by CRISPR/Cas9 and application for gamma-aminobutyric acid (GABA) production in antibiotic-free system. <i>Biochemical Engineering Journal</i> , 2021, 168, 107952.	1.8	34
9	Tailoring Genetic Elements of the Plasmid-Driven T7 System for Stable and Robust One-Step Cloning and Protein Expression in Broad <i>Escherichia coli</i> . <i>ACS Synthetic Biology</i> , 2021, 10, 2753-2762.	1.9	9
10	Stepwise optimization of genetic RuBisCO-equipped <i>Escherichia coli</i> for low carbon-footprint protein and chemical production. <i>Green Chemistry</i> , 2021, 23, 4800-4813.	4.6	19
11	Precise measurement of decarboxylase and applied cascade enzyme for simultaneous cadaverine production with carbon dioxide recovery. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021, , 104188.	2.7	1
12	Quantification, regulation and production of 5-aminolevulinic acid by green fluorescent protein in recombinant <i>Escherichia coli</i> . <i>Journal of Bioscience and Bioengineering</i> , 2020, 129, 387-394.	1.1	14
13	Development and fabrication of disease resistance protein in recombinant <i>Escherichia coli</i> . <i>Bioresources and Bioprocessing</i> , 2020, 7, .	2.0	3
14	CRISPRi-mediated programming essential gene can as a Direct Enzymatic Performance Evaluation & Determination (DEPEND) system. <i>Biotechnology and Bioengineering</i> , 2020, 117, 2842-2851.	1.7	5
15	New Insight into Plasmid-Driven T7 RNA Polymerase in <i>Escherichia coli</i> and Use as a Genetic Amplifier for a Biosensor. <i>ACS Synthetic Biology</i> , 2020, 9, 613-622.	1.9	44
16	Design and optimization of bioreactor to boost carbon dioxide assimilation in RuBisCo-equipped <i>Escherichia coli</i> . <i>Bioresource Technology</i> , 2020, 314, 123785.	4.8	18
17	A Critical Review of Genome Editing and Synthetic Biology Applications in Metabolic Engineering of Microalgae and Cyanobacteria. <i>Biotechnology Journal</i> , 2020, 15, e1900228.	1.8	62
18	Development of chromosome-based T7 RNA polymerase and orthogonal T7 promoter circuit in <i>Escherichia coli</i> W3110 as a cell factory. <i>Bioresources and Bioprocessing</i> , 2020, 7, .	2.0	20

#	ARTICLE	IF	CITATIONS
19	Challenges and opportunity of recent genome editing and multi-omics in cyanobacteria and microalgae for biorefinery. <i>Bioresource Technology</i> , 2019, 291, 121932.	4.8	74
20	ARduinoâ€pH Tracker and screening platform for characterization of recombinant carbonic anhydrase in <i>Escherichia coli</i> . <i>Biotechnology Progress</i> , 2019, 35, e2834.	1.8	17
21	Efficient carbon dioxide sequestration by using recombinant carbonic anhydrase. <i>Process Biochemistry</i> , 2018, 73, 38-46.	1.8	31
22	Recent Developments on Genetic Engineering of Microalgae for Biofuels and Bioâ€Based Chemicals. <i>Biotechnology Journal</i> , 2017, 12, 1600644.	1.8	162
23	Identification of Gold Sensing Peptide by Integrative Proteomics and a Bacterial Two-Component System. <i>Frontiers in Chemistry</i> , 2017, 5, 127.	1.8	1