

Jian-Mei Luo

List of Publications by Year in descending order

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35
papers

1,359
citations

567281

15
h-index

395702

33
g-index

35
all docs

35
docs citations

35
times ranked

1758
citing authors

#	ARTICLE	IF	CITATIONS
1	An overview of electrode materials in microbial fuel cells. <i>Journal of Power Sources</i> , 2011, 196, 4427-4435.	7.8	688
2	Quantitative changes of plant defense enzymes and phytohormone in biocontrol of cucumber Fusarium wilt by <i>Bacillus subtilis</i> B579. <i>World Journal of Microbiology and Biotechnology</i> , 2010, 26, 675-684.	3.6	99
3	A new electrochemically active bacterium phylogenetically related to <i>Tolomonas osonensis</i> and power performance in MFCs. <i>Bioresource Technology</i> , 2013, 139, 141-148.	9.6	62
4	Carbon dioxide sequestration accompanied by bioenergy generation using a bubbling-type photosynthetic algae microbial fuel cell. <i>Bioresource Technology</i> , 2019, 280, 95-103.	9.6	54
5	Effects of hydroxypropyl- β -cyclodextrin on cell growth, activity, and integrity of steroid-transforming <i>Arthrobacter simplex</i> and <i>Mycobacterium</i> sp.. <i>Applied Microbiology and Biotechnology</i> , 2011, 90, 1995-2003.	3.6	48
6	Characterization of a novel strain phylogenetically related to <i>Kocuria rhizophila</i> and its chemical modification to improve performance of microbial fuel cells. <i>Biosensors and Bioelectronics</i> , 2015, 69, 113-120.	10.1	38
7	Genome Shuffling of <i>Streptomyces gilvosporeus</i> for Improving Natamycin Production. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 6026-6036.	5.2	30
8	Enhancement of bioelectricity generation via heterologous expression of <i>IrrE</i> in <i>Pseudomonas aeruginosa</i> -inoculated MFCs. <i>Biosensors and Bioelectronics</i> , 2018, 117, 23-31.	10.1	26
9	A new technique for promoting cyclic utilization of cyclodextrins in biotransformation. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2017, 44, 1-7.	3.0	23
10	Economical production of androstenedione and 9β -hydroxyandrostenedione using untreated cane molasses by recombinant mycobacteria. <i>Bioresource Technology</i> , 2019, 290, 121750.	9.6	21
11	Electrochemical surface modification of carbon mesh anode to improve the performance of air-cathode microbial fuel cells. <i>Bioprocess and Biosystems Engineering</i> , 2013, 36, 1889-1896.	3.4	18
12	<i>IrrE</i> Improves Organic Solvent Tolerance and 1 -Dehydrogenation Productivity of <i>Arthrobacter simplex</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 5210-5220.	5.2	18
13	A highly efficient step-wise biotransformation strategy for direct conversion of phytosterol to boldenone. <i>Bioresource Technology</i> , 2019, 283, 242-250.	9.6	18
14	GC-MS analysis and hypolipidemic effects of polyphenol extracts from Shanxi-aged vinegar in rats under a high fat diet. <i>Food and Function</i> , 2020, 11, 7468-7480.	4.6	18
15	Efficient repeated batch production of androstenedione using untreated cane molasses by <i>Mycobacterium neoaurum</i> driven by ATP futile cycle. <i>Bioresource Technology</i> , 2020, 309, 123307.	9.6	17
16	Biotransformation of bavachinin by three fungal cell cultures. <i>Journal of Bioscience and Bioengineering</i> , 2014, 117, 191-196.	2.2	16
17	Improving phytosterol biotransformation at low nitrogen levels by enhancing the methylcitrate cycle with transcriptional regulators <i>PrpR</i> and <i>GlnR</i> of <i>Mycobacterium neoaurum</i> . <i>Microbial Cell Factories</i> , 2020, 19, 13.	4.0	16
18	Highly efficient synthesis of 5- α -cyanovaleramide by <i>Rhodococcus ruber</i> CGMCC3090 resting cells. <i>Journal of Chemical Technology and Biotechnology</i> , 2012, 87, 1396-1400.	3.2	15

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19	The ethanol-induced global alteration in <i>Arthrobacter simplex</i> and its mutants with enhanced ethanol tolerance. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 9331-9350.	3.6	15
20	Improving acetic acid production of <i>Acetobacter pasteurianus</i> AC2005 in hawthorn vinegar fermentation by using beer for seed culture. <i>International Journal of Food Science and Technology</i> , 2010, 45, 2394-2399.	2.7	14
21	Improvement of AD Biosynthesis Response to Enhanced Oxygen Transfer by Oxygen Vectors in <i>Mycobacterium neoaurum</i> TCCC 11979. <i>Applied Biochemistry and Biotechnology</i> , 2017, 182, 1564-1574.	2.9	13
22	Identification, Biological Characteristics, and Active Site Residues of 3-Ketosteroid Δ^1 -Dehydrogenase Homologues from <i>Arthrobacter simplex</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 9496-9512.	5.2	13
23	Global regulator engineering enhances bioelectricity generation in <i>Pseudomonas aeruginosa</i> -inoculated MFCs. <i>Biosensors and Bioelectronics</i> , 2020, 163, 112269.	10.1	13
24	Production of 5α -androstene-3,17-dione from phytosterols by co-expression of 5α -reductase and glucose-6-phosphate dehydrogenase in engineered <i>Mycobacterium neoaurum</i> . <i>Green Chemistry</i> , 2019, 21, 1809-1815.	9.0	12
25	The effect of ethanol on cell properties and steroid Δ^1 -dehydrogenation biotransformation of <i>Arthrobacter simplex</i> . <i>Biotechnology and Applied Biochemistry</i> , 2014, 61, 555-564.	3.1	10
26	Compatible solutes adaptive alterations in <i>Arthrobacter simplex</i> during exposure to ethanol, and the effect of trehalose on the stress resistance and biotransformation performance. <i>Bioprocess and Biosystems Engineering</i> , 2020, 43, 895-908.	3.4	10
27	Characterization of the inclusion complex of $16,17\alpha$ -epoxyprogesterone with randomly methylated β -cyclodextrin in aqueous solution and in the solid state. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2011, 69, 273-280.	1.6	8
28	Improving Biotransformation Efficiency of <i>Arthrobacter simplex</i> by Enhancement of Cell Stress Tolerance and Enzyme Activity. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 704-716.	5.2	8
29	Efficient one-step biocatalytic multienzyme cascade strategy for direct conversion of phytosterol to C17-hydroxylated steroids. <i>Applied and Environmental Microbiology</i> , 2021, 87, e0032121.	3.1	7
30	Optimization of Conditions for the Biotransformation of 5-Cyanovaleramide from Adiponitrile by <i>Rhodococcus ruber</i> CGMCC 3090. <i>International Conference on Bioinformatics and Biomedical Engineering: [proceedings] International Conference on Bioinformatics and Biomedical Engineering</i> , 2010, . . .	0.0	3
31	Genomewide Transcriptome Responses of <i>Arthrobacter simplex</i> to Cortisone Acetate and its Mutants with Enhanced Δ^1 -Dehydrogenation Efficiency. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 12773-12784.	5.2	3
32	The mechanism of β -cyclodextrin on the 11β -hydroxylation biotransformation of steroid. , 2010, . . .		2
33	Protoplast Formation and Regeneration Conditions of <i>Streptomyces gilvosporeus</i> . , 2009, . . .		1
34	Application of RAPD Assays in Analyzing <i>Streptomyces Gilvosporeus</i> Strains from Genome Shuffling. <i>International Conference on Bioinformatics and Biomedical Engineering: [proceedings] International Conference on Bioinformatics and Biomedical Engineering</i> , 2010, . . .	0.0	1
35	Hydrazine hydrate chemical reduction as an effective anode modification method to improve the performance of microbial fuel cells. <i>Journal of Chemical Technology and Biotechnology</i> , 2013, 88, 2075-2081.	3.2	1