

Jian-Mei Luo

List of Publications by Citations

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32
papers

1,048
citations

12
h-index

32
g-index

35
ext. papers

1,195
ext. citations

6.6
avg, IF

4.1
L-index

#	Paper	IF	Citations
32	An overview of electrode materials in microbial fuel cells. <i>Journal of Power Sources</i> , 2011 , 196, 4427-4438	3.9	590
31	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	4.4	70
30	A new electrochemically active bacterium phylogenetically related to <i>Tolomonas osonensis</i> and power performance in MFCs. <i>Bioresource Technology</i> , 2013 , 139, 141-8	11	50
29	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	5.7	44
28	Carbon dioxide sequestration accompanied by bioenergy generation using a bubbling-type photosynthetic algae microbial fuel cell. <i>Bioresource Technology</i> , 2019 , 280, 95-103	11	31
27	Genome shuffling of <i>Streptomyces gilvosporeus</i> for improving natamycin production. <i>Journal of Agricultural and Food Chemistry</i> , 2012 , 60, 6026-36	5.7	30
26	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, 113-20	11.8	27
25	A new technique for promoting cyclic utilization of cyclodextrins in biotransformation. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2017 , 44, 1-7	4.2	16
24	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	11.8	16
23	Highly efficient synthesis of 5-cyanovaleramide by <i>Rhodococcus ruber</i> CGMCC3090 resting cells. <i>Journal of Chemical Technology and Biotechnology</i> , 2012 , 87, 1396-1400	3.5	14
22	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, 1889-96	3.7	14
21	Biotransformation of bavachinin by three fungal cell cultures. <i>Journal of Bioscience and Bioengineering</i> , 2014 , 117, 191-196	3.3	14
20	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	3.2	12
19	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	3.8	12
18	A highly efficient step-wise biotransformation strategy for direct conversion of phytosterol to boldenone. <i>Bioresource Technology</i> , 2019 , 283, 242-250	11	11
17	<i>IrrE</i> Improves Organic Solvent Tolerance and Dehydrogenation Productivity of <i>Arthrobacter simplex</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2018 , 66, 5210-5220	5.7	11
16	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	5.7	10

15	Economical production of androstenedione and 9 β hydroxyandrostenedione using untreated cane molasses by recombinant mycobacteria. <i>Bioresource Technology</i> , 2019 , 290, 121750	11	10
14	Production of 5 β Androstene-3,17-dione from phytosterols by co-expression of 5 β Reductase and glucose-6-phosphate dehydrogenase in engineered Mycobacterium neoaurum. <i>Green Chemistry</i> , 2019 , 21, 1809-1815	10	9
13	The effect of ethanol on cell properties and steroid 1-en-dehydrogenation biotransformation of Arthrobacter simplex. <i>Biotechnology and Applied Biochemistry</i> , 2014 , 61, 555-64	2.8	9
12	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	6.1	9
11	Characterization of the inclusion complex of 16,17 β 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		8
10	Improving phytosterol biotransformation at low nitrogen levels by enhancing the methylcitrate cycle with transcriptional regulators PrpR and GlnR of Mycobacterium neoaurum. <i>Microbial Cell Factories</i> , 2020 , 19, 13	6.4	7
9	Global regulator engineering enhances bioelectricity generation in Pseudomonas aeruginosa-inoculated MFCs. <i>Biosensors and Bioelectronics</i> , 2020 , 163, 112269	11.8	5
8	Efficient repeated batch production of androstenedione using untreated cane molasses by Mycobacterium neoaurum driven by ATP futile cycle. <i>Bioresource Technology</i> , 2020 , 309, 123307	11	5
7	Identification, Biological Characteristics, and Active Site Residues of 3-Ketosteroid β Dehydrogenase Homologues from. <i>Journal of Agricultural and Food Chemistry</i> , 2020 , 68, 9496-9512	5.7	4
6	Compatible solutes adaptive alterations in Arthrobacter simplex 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	3.7	3
5	The mechanism of β cyclodextrin on the 11 β hydroxylation biotransformation of steroid 2010 ,		2
4	Improving Biotransformation Efficiency of by Enhancement of Cell Stress Tolerance and Enzyme Activity. <i>Journal of Agricultural and Food Chemistry</i> , 2021 , 69, 704-716	5.7	2
3	Protoplast Formation and Regeneration Conditions of Streptomyces gilvosporeus 2009 ,		1
2	Efficient One-Step Biocatalytic Multienzyme Cascade Strategy for Direct Conversion of Phytosterol to C-17-Hydroxylated Steroids. <i>Applied and Environmental Microbiology</i> , 2021 , 87, e0032121	4.8	1
1	Genomewide Transcriptome Responses of to Cortisone Acetate and its Mutants with Enhanced β Dehydrogenation Efficiency. <i>Journal of Agricultural and Food Chemistry</i> , 2021 , 69, 12773-12784	5.7	0