Jian-Mei Luo

List of Publications by Year in Descending Order

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	Genomewide Transcriptome Responses of to Cortisone Acetate and its Mutants with Enhanced Dehydrogenation Efficiency. *Journal of Agricultural and Food Chemistry*, **2021**, 69, 12773-12784	5.7	0
31	Improving Biotransformation Efficiency of by Enhancement of Cell Stress Tolerance and Enzyme Activity. *Journal of Agricultural and Food Chemistry*, **2021**, 69, 704-716	5.7	2
30	Efficient One-Step Biocatalytic Multienzyme Cascade Strategy for Direct Conversion of Phytosterol to C-17-Hydroxylated Steroids. *Applied and Environmental Microbiology*, **2021**, 87, e0032121	4.8	1
29	Compatible solutes adaptive alterations in Arthrobacter simplex during exposure to ethanol, and the effect of trehalose on the stress resistance and biotransformation performance. *Bioprocess and Biosystems Engineering*, **2020**, 43, 895-908	3.7	3
28	Improving phytosterol biotransformation at low nitrogen levels by enhancing the methylcitrate cycle with transcriptional regulators PrpR and GlnR of Mycobacterium neoaurum. *Microbial Cell Factories*, **2020**, 19, 13	6.4	7
27	Global regulator engineering enhances bioelectricity generation in Pseudomonas aeruginosa-inoculated MFCs. *Biosensors and Bioelectronics*, **2020**, 163, 112269	11.8	5
26	Identification, Biological Characteristics, and Active Site Residues of 3-Ketosteroid Dehydrogenase Homologues from. *Journal of Agricultural and Food Chemistry*, **2020**, 68, 9496-9512	5.7	4
25	GC GC-MS analysis and hypolipidemic effects of polyphenol extracts from Shanxi-aged vinegar in rats under a high fat diet. *Food and Function*, **2020**, 11, 7468-7480	6.1	9
24	Efficient repeated batch production of androstenedione using untreated cane molasses by Mycobacterium neoaurum driven by ATP futile cycle. *Bioresource Technology*, **2020**, 309, 123307	11	5
23	Production of 5androstene-3,17-dione from phytosterols by co-expression of 5reductase and glucose-6-phosphate dehydrogenase in engineered Mycobacterium neoaurum. *Green Chemistry*, **2019**, 21, 1809-1815	10	9
22	A highly efficient step-wise biotransformation strategy for direct conversion of phytosterol to boldenone. *Bioresource Technology*, **2019**, 283, 242-250	11	11
21	Carbon dioxide sequestration accompanied by bioenergy generation using a bubbling-type photosynthetic algae microbial fuel cell. *Bioresource Technology*, **2019**, 280, 95-103	11	31
20	Economical production of androstenedione and 9hydroxyandrostenedione using untreated cane molasses by recombinant mycobacteria. *Bioresource Technology*, **2019**, 290, 121750	11	10
19	The ethanol-induced global alteration in Arthrobacter simplex and its mutants with enhanced ethanol tolerance. *Applied Microbiology and Biotechnology*, **2018**, 102, 9331-9350	5.7	10
18	Enhancement of bioelectricity generation via heterologous expression of IrrE in Pseudomonas aeruginosa-inoculated MFCs. *Biosensors and Bioelectronics*, **2018**, 117, 23-31	11.8	16
17	IrrE Improves Organic Solvent Tolerance and Dehydrogenation Productivity of Arthrobacter simplex. *Journal of Agricultural and Food Chemistry*, **2018**, 66, 5210-5220	5.7	11
16	Improvement of AD Biosynthesis Response to Enhanced Oxygen Transfer by Oxygen Vectors in Mycobacterium neoaurum TCCC 11979. *Applied Biochemistry and Biotechnology*, **2017**, 182, 1564-1574	3.2	12

15	A new technique for promoting cyclic utilization of cyclodextrins in biotransformation. *Journal of Industrial Microbiology and Biotechnology*, **2017**, 44, 1-7	4.2	16
14	Characterization of a novel strain phylogenetically related to Kocuria rhizophila and its chemical modification to improve performance of microbial fuel cells. *Biosensors and Bioelectronics*, **2015**, 69, 113-20	11.8	27
13	The effect of ethanol on cell properties and steroid 1-en-dehydrogenation biotransformation of Arthrobacter simplex. *Biotechnology and Applied Biochemistry*, **2014**, 61, 555-64	2.8	9
12	Biotransformation of bavachinin by three fungal cell cultures. *Journal of Bioscience and Bioengineering*, **2014**, 117, 191-196	3.3	14
11	Electrochemical surface modification of carbon mesh anode to improve the performance of air-cathode microbial fuel cells. *Bioprocess and Biosystems Engineering*, **2013**, 36, 1889-96	3.7	14
10	A new electrochemically active bacterium phylogenetically related to Tolumonas osonensis and power performance in MFCs. *Bioresource Technology*, **2013**, 139, 141-8	11	50
9	Highly efficient synthesis of 5-cyanovaleramide by Rhodococcus ruber CGMCC3090 resting cells. *Journal of Chemical Technology and Biotechnology*, **2012**, 87, 1396-1400	3.5	14
8	Genome shuffling of Streptomyces gilvosporeus for improving natamycin production. *Journal of Agricultural and Food Chemistry*, **2012**, 60, 6026-36	5.7	30
7	Characterization of the inclusion complex of 16,17-epoxyprogesterone with randomly methylated -cyclodextrin in aqueous solution and in the solid state. *Journal of Inclusion Phenomena and Macrocyclic Chemistry*, **2011**, 69, 273-280		8
6	Effects of hydroxypropyl--cyclodextrin on cell growth, activity, and integrity of steroid-transforming Arthrobacter simplex and Mycobacterium sp. *Applied Microbiology and Biotechnology*, **2011**, 90, 1995-2003	5.7	44
5	An overview of electrode materials in microbial fuel cells. *Journal of Power Sources*, **2011**, 196, 4427-4435	8.9	590
4	Improving acetic acid production of Acetobacter pasteurianus AC2005 in hawthorn vinegar fermentation by using beer for seed culture. *International Journal of Food Science and Technology*, **2010**, 45, 2394-2399	3.8	12
3	The mechanism of -cyclodextrin on the 11-hydroxylation biotransformation of steroid **2010**,		2
2	Quantitative changes of plant defense enzymes and phytohormone in biocontrol of cucumber Fusarium wilt by Bacillus subtilis B579. *World Journal of Microbiology and Biotechnology*, **2010**, 26, 675-684	4.4	70
1	Protoplast Formation and Regeneration Conditions of Streptomyces gilvosporeus **2009**,		1