Zhi-Jie Liu

List of Publications by Year
in descending order

31 papers	662 citations	516710 16 h-index	580821 25 g-index
32 all docs	32 docs citations	32 times ranked	758 citing authors

#	Article	IF	Citations
1	A novel Fenton-like catalyst of Ag3PO4/g-C3N4: Its performance and mechanism for tetracycline hydrochloride degradation in dark. Applied Surface Science, 2022, 571, 151305.	6.1	28
2	Effect of Lactobacillus plantarum or Enterococcus faecalis as coâ€inoculants with Aspergillus oryzae in koji making on the physicochemical properties of soy sauce. Journal of Food Science, 2022, 87, 714-727.	3.1	7
3	Microcalcification-Based Tumor Malignancy Evaluation in Fresh Breast Biopsies with Hyperspectral Stimulated Raman Scattering. Analytical Chemistry, 2021, 93, 6223-6231.	6.5	21
4	De novo biosynthesis of alpha-zingiberene from glucose in Escherichia coli. Biochemical Engineering Journal, 2021, 176, 108188.	3.6	2
5	Metabolic engineering of Escherichia coli for the production of neryl acetate. Biochemical Engineering Journal, 2020, 161, 107704.	3.6	5
6	Engineering oleaginous yeast Yarrowia lipolytica for enhanced limonene production from xylose and lignocellulosic hydrolysate. FEMS Yeast Research, 2020, 20, .	2.3	32
7	Yarrowia lipolytica as a Metabolic Engineering Platform for the Production of Very-Long-Chain Wax Esters. Journal of Agricultural and Food Chemistry, 2020, 68, 10730-10740.	5.2	22
8	Pathway engineering and medium optimization for Î±-farnesene biosynthesis in oleaginous yeast Yarrowia lipolytica. Journal of Biotechnology, 2020, 319, 74-81.	3.8	31
9	Metabolic engineering of Î²-carotene biosynthesis in Yarrowia lipolytica. Biotechnology Letters, 2020, 42, 945-956.	2.2	55
10	Metabolic engineering of Yarrowia lipolytica for the biosynthesis of crotonic acid. Bioresource Technology, 2019, 287, 121484.	9.6	24
11	Biosynthesis of nerol from glucose in the metabolic engineered Escherichia coli. Bioresource Technology, 2019, 287, 121410.	9.6	15
12	De novo biosynthesis of antimycobacterial agent geranylgeranyl acetate from glucose. Biochemical Engineering Journal, 2019, 142, 84-88.	3.6	6
13	Effect of citrus peel on phenolic compounds, organic acids and antioxidant activity of soy sauce. LWT - Food Science and Technology, 2018, 90, 627-635.	5.2	36
14	Biosynthesis of advanced biofuel farnesyl acetate using engineered Escherichia coli. Bioresource Technology, 2018, 269, 577-580.	9.6	17
15	Metabolic Engineering of Escherichia coli for Production of 2-Phenylethanol and 2-Phenylethyl Acetate from Glucose. Journal of Agricultural and Food Chemistry, 2018, 66, 5886-5891.	5.2	47
16	Direct synthesis of AlN nano powder by dielectric barrier discharge plasma assisted high-energy ball milling. Journal of Materials Science: Materials in Electronics, 2016, 27, 8518-8523.	2.2	11
17	Production of acrylic acid and propionic acid by constructing a portion of the 3-hydroxypropionate/4-hydroxybutyrate cycle from Metallosphaera sedula in Escherichia coli. Journal of Industrial Microbiology and Biotechnology, 2016, 43, 1659-1670.	3.0	23
18	Polymorphisms in FADS1 and FADS2 alter plasma fatty acids and desaturase levels in type 2 diabetic patients with coronary artery disease. Journal of Translational Medicine, 2016, 14, 79.	4.4	34

#	Article	IF	Citations
19	Spectroscopic and electrical characters of SBD plasma excited by bipolar nanosecond pulse in atmospheric air. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2016, 161, 186-194.	3.9	16
20	Evaluation of 3-hydroxypropionate biosynthesis in vitro by partial introduction of the 3-hydroxypropionate/4-hydroxybutyrate cycle from Metallosphaera sedula. Journal of Industrial Microbiology and Biotechnology, 2016, 43, 1313-1321.	3.0	7
21	Effect of Different Precursors on Synthesized AlN by Plasma-Assisted Ball Milling. Materials and Manufacturing Processes, 2016, 31, 1583-1588.	4.7	3
22	Atmospheric air diffuse array-needles dielectric barrier discharge excited by positive, negative, and bipolar nanosecond pulses in large electrode gap. Journal of Applied Physics, 2014, 116, .	2.5	19
23	An uniform DBD plasma excited by bipolar nanosecond pulse using wire-cylinder electrode configuration in atmospheric air. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 122, 107-112.	3.9	19
24	A large-area diffuse air discharge plasma excited by nanosecond pulse under a double hexagon needle-array electrode. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 121, 698-703.	3.9	11
25	Electrical and optical characteristics of diffuse nanosecond pulsed discharge plasma using a needle-array electrode in atmospheric air. Journal of Applied Physics, 2014, 115, .	2.5	10
26	Optical and application study of gasâ€“liquid discharge excited by bipolar nanosecond pulse in atmospheric air. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 131, 571-576.	3.9	8
27	Multiple current peaks in room-temperature atmospheric pressure homogenous dielectric barrier discharge plasma excited by high-voltage tunable nanosecond pulse in air. Applied Physics Letters, 2013, 102, .	3.3	40
28	Analysis of metabolic fluxes for better understanding of mechanisms related to lipid accumulation in oleaginous yeast Trichosporon cutaneum. Bioresource Technology, 2013, 130, 144-151.	9.6	62
29	The effect of dielectric thickness on diffuse nanosecond dielectric barrier discharges using a needle array-plate electrode configuration in air at atmospheric pressure. Journal of Applied Physics, 2013, 113, 233305.	2.5	15
30	An atmospheric air gas-liquid diffuse discharge excited by bipolar nanosecond pulse in quartz container used for water sterilization. Applied Physics Letters, 2013, 103, .	3.3	25
31	Quantification and analysis of metabolic characteristics of aerobic succinate-producing Escherichia coli under different aeration conditions. Process Biochemistry, 2012, 47, 1532-1538.	3.7	11