

# Zhi-Jie Liu

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Analysis of metabolic fluxes for better understanding of mechanisms related to lipid accumulation in oleaginous yeast <i>Trichosporon cutaneum</i> . <i>Bioresource Technology</i> , 2013, 130, 144-151.	9.6	62
2	Metabolic engineering of $\beta$ -carotene biosynthesis in <i>Yarrowia lipolytica</i> . <i>Biotechnology Letters</i> , 2020, 42, 945-956.	2.2	55
3	Metabolic Engineering of <i>Escherichia coli</i> for Production of 2-Phenylethanol and 2-Phenylethyl Acetate from Glucose. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 5886-5891.	5.2	47
4	Multiple current peaks in room-temperature atmospheric pressure homogenous dielectric barrier discharge plasma excited by high-voltage tunable nanosecond pulse in air. <i>Applied Physics Letters</i> , 2013, 102, .	3.3	40
5	Effect of citrus peel on phenolic compounds, organic acids and antioxidant activity of soy sauce. <i>LWT - Food Science and Technology</i> , 2018, 90, 627-635.	5.2	36
6	Polymorphisms in FADS1 and FADS2 alter plasma fatty acids and desaturase levels in type 2 diabetic patients with coronary artery disease. <i>Journal of Translational Medicine</i> , 2016, 14, 79.	4.4	34
7	Engineering oleaginous yeast <i>Yarrowia lipolytica</i> for enhanced limonene production from xylose and lignocellulosic hydrolysate. <i>FEMS Yeast Research</i> , 2020, 20, .	2.3	32
8	Pathway engineering and medium optimization for $\beta$ -farnesene biosynthesis in oleaginous yeast <i>Yarrowia lipolytica</i> . <i>Journal of Biotechnology</i> , 2020, 319, 74-81.	3.8	31
9	A novel Fenton-like catalyst of Ag <sub>3</sub> PO <sub>4</sub> /g-C <sub>3</sub> N <sub>4</sub> : Its performance and mechanism for tetracycline hydrochloride degradation in dark. <i>Applied Surface Science</i> , 2022, 571, 151305.	6.1	28
10	An atmospheric air gas-liquid diffuse discharge excited by bipolar nanosecond pulse in quartz container used for water sterilization. <i>Applied Physics Letters</i> , 2013, 103, .	3.3	25
11	Metabolic engineering of <i>Yarrowia lipolytica</i> for the biosynthesis of crotonic acid. <i>Bioresource Technology</i> , 2019, 287, 121484.	9.6	24
12	Production of acrylic acid and propionic acid by constructing a portion of the 3-hydroxypropionate/4-hydroxybutyrate cycle from <i>Metallosphaera sedula</i> in <i>Escherichia coli</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , 2016, 43, 1659-1670.	3.0	23
13	<i>Yarrowia lipolytica</i> as a Metabolic Engineering Platform for the Production of Very-Long-Chain Wax Esters. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 10730-10740.	5.2	22
14	Microcalcification-Based Tumor Malignancy Evaluation in Fresh Breast Biopsies with Hyperspectral Stimulated Raman Scattering. <i>Analytical Chemistry</i> , 2021, 93, 6223-6231.	6.5	21
15	Atmospheric air diffuse array-needles dielectric barrier discharge excited by positive, negative, and bipolar nanosecond pulses in large electrode gap. <i>Journal of Applied Physics</i> , 2014, 116, .	2.5	19
16	An uniform DBD plasma excited by bipolar nanosecond pulse using wire-cylinder electrode configuration in atmospheric air. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 122, 107-112.	3.9	19
17	Biosynthesis of advanced biofuel farnesyl acetate using engineered <i>Escherichia coli</i> . <i>Bioresource Technology</i> , 2018, 269, 577-580.	9.6	17
18	Spectroscopic and electrical characters of SBD plasma excited by bipolar nanosecond pulse in atmospheric air. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 161, 186-194.	3.9	16

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19	The effect of dielectric thickness on diffuse nanosecond dielectric barrier discharges using a needle array-plate electrode configuration in air at atmospheric pressure. <i>Journal of Applied Physics</i> , 2013, 113, 233305.	2.5	15
20	Biosynthesis of nerol from glucose in the metabolic engineered <i>Escherichia coli</i> . <i>Bioresource Technology</i> , 2019, 287, 121410.	9.6	15
21	Quantification and analysis of metabolic characteristics of aerobic succinate-producing <i>Escherichia coli</i> under different aeration conditions. <i>Process Biochemistry</i> , 2012, 47, 1532-1538.	3.7	11
22	A large-area diffuse air discharge plasma excited by nanosecond pulse under a double hexagon needle-array electrode. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 121, 698-703.	3.9	11
23	Direct synthesis of AlN nano powder by dielectric barrier discharge plasma assisted high-energy ball milling. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 8518-8523.	2.2	11
24	Electrical and optical characteristics of diffuse nanosecond pulsed discharge plasma using a needle-array electrode in atmospheric air. <i>Journal of Applied Physics</i> , 2014, 115, .	2.5	10
25	Optical and application study of gas-liquid discharge excited by bipolar nanosecond pulse in atmospheric air. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 131, 571-576.	3.9	8
26	Evaluation of 3-hydroxypropionate biosynthesis in vitro by partial introduction of the 3-hydroxypropionate/4-hydroxybutyrate cycle from <i>Metallosphaera sedula</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , 2016, 43, 1313-1321.	3.0	7
27	Effect of <i>Lactobacillus plantarum</i> or <i>Enterococcus faecalis</i> as inoculants with <i>Aspergillus oryzae</i> in koji making on the physicochemical properties of soy sauce. <i>Journal of Food Science</i> , 2022, 87, 714-727.	3.1	7
28	De novo biosynthesis of antimycobacterial agent geranylgeranyl acetate from glucose. <i>Biochemical Engineering Journal</i> , 2019, 142, 84-88.	3.6	6
29	Metabolic engineering of <i>Escherichia coli</i> for the production of neryl acetate. <i>Biochemical Engineering Journal</i> , 2020, 161, 107704.	3.6	5
30	Effect of Different Precursors on Synthesized AlN by Plasma-Assisted Ball Milling. <i>Materials and Manufacturing Processes</i> , 2016, 31, 1583-1588.	4.7	3
31	De novo biosynthesis of alpha-zingiberene from glucose in <i>Escherichia coli</i> . <i>Biochemical Engineering Journal</i> , 2021, 176, 108188.	3.6	2