

Zhonghu Bai

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

65
papers

1,534
citations

17
h-index

38
g-index

71
ext. papers

2,056
ext. citations

4.5
avg, IF

5.01
L-index

#	Paper	IF	Citations
65	Effect of Clp protease from <i>Corynebacterium glutamicum</i> on heterologous protein expression. <i>Protein Expression and Purification</i> , 2022 , 189, 105928	2	0
64	Development of a novel platform for recombinant protein production in on ethanol.. <i>Synthetic and Systems Biotechnology</i> , 2022 , 7, 765-774	4.2	0
63	Hypersecretion of OmlA antigen in <i>Corynebacterium glutamicum</i> through high-throughput based development process.. <i>Applied Microbiology and Biotechnology</i> , 2022 , 106, 2953	5.7	0
62	Recent advances in high-throughput metabolic engineering: Generation of oligonucleotide-mediated genetic libraries.. <i>Biotechnology Advances</i> , 2022 , 107970	17.8	1
61	Advances in the Study of Inhaled Formulations for the Treatment of Pulmonary Arterial Hypertension. <i>Applied Bionics and Biomechanics</i> , 2022 , 2022, 1-5	1.6	0
60	Strategies and challenges with the microbial conversion of methanol to high-value chemicals. <i>Biotechnology and Bioengineering</i> , 2021 , 118, 3655-3668	4.9	1
59	MAPK/HOG signaling pathway induced stress-responsive damage repair is a mechanism for <i>Pichia pastoris</i> to survive from hyperosmotic stress. <i>Journal of Chemical Technology and Biotechnology</i> , 2021 , 96, 412-422	3.5	0
58	Interleukin-6 promotes ferroptosis in bronchial epithelial cells by inducing reactive oxygen species-dependent lipid peroxidation and disrupting iron homeostasis. <i>Bioengineered</i> , 2021 , 12, 5279-5288	5.7	12
57	Metabolic engineering strategies for sesquiterpene production in microorganism. <i>Critical Reviews in Biotechnology</i> , 2021 , 1-20	9.4	5
56	The PhoPR two-component system responds to oxygen deficiency and regulates the pathways for energy supply in <i>Corynebacterium glutamicum</i> . <i>World Journal of Microbiology and Biotechnology</i> , 2021 , 37, 160	4.4	
55	Recent Advances in Synthetic, Industrial and Biological Applications of Violacein and Its Heterologous Production. <i>Journal of Microbiology and Biotechnology</i> , 2021 , 31, 1465-1480	3.3	0
54	Enhancement of heterologous protein production in <i>Corynebacterium glutamicum</i> via atmospheric and room temperature plasma mutagenesis and high-throughput screening. <i>Journal of Biotechnology</i> , 2021 , 339, 22-31	3.7	1
53	Bicistronic design as recombinant expression enhancer: characteristics, applications, and structural optimization. <i>Applied Microbiology and Biotechnology</i> , 2021 , 105, 7709-7720	5.7	2
52	Enhanced production of recombinant proteins in <i>Corynebacterium glutamicum</i> by constructing a bicistronic gene expression system. <i>Microbial Cell Factories</i> , 2020 , 19, 113	6.4	8
51	Characterization and application of a putative transcription factor (SUT2) in <i>Pichia pastoris</i> . <i>Molecular Genetics and Genomics</i> , 2020 , 295, 1295-1304	3.1	2
50	Rapid process development of serum-free pseudorabies virus production with the Quality by Design approach. <i>Cytotechnology</i> , 2020 , 72, 283-293	2.2	1
49	Fast clustering-based weighted twin support vector regression. <i>Soft Computing</i> , 2020 , 24, 6101-6117	3.5	2

48	Targeted editing of transcriptional activator MXR1 on the <i>Pichia pastoris</i> genome using CRISPR/Cas9 technology. <i>Yeast</i> , 2020 , 37, 305-312	3.4	5
47	Retraction Note to: Comparative analysis of the <i>Corynebacterium glutamicum</i> transcriptome in response to changes in dissolved oxygen levels. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2020 , 47, 355	4.2	
46	Early Detection of Severe Acute Respiratory Syndrome Coronavirus 2 Antibodies as a Serologic Marker of Infection in Patients With Coronavirus Disease 2019. <i>Clinical Infectious Diseases</i> , 2020 , 71, 2066-2072	11.6	79
45	High efficiency CRISPR/Cas9 genome editing system with an eliminable episomal sgRNA plasmid in <i>Pichia pastoris</i> . <i>Enzyme and Microbial Technology</i> , 2020 , 138, 109556	3.8	15
44	Identification, repair and characterization of a benzyl alcohol-inducible promoter for recombinant proteins overexpression in <i>Corynebacterium glutamicum</i> . <i>Enzyme and Microbial Technology</i> , 2020 , 141, 109651	3.8	2
43	Glycerol transporter 1 (Gt1) and zinc-regulated transporter 1 (Zrt1) function in different modes for zinc homeostasis in <i>Komagataella phaffii</i> (<i>Pichia pastoris</i>). <i>Biotechnology Letters</i> , 2020 , 42, 2413-2423	3	1
42	Construction of a 3A system from BioBrick parts for expression of recombinant hirudin variants III in <i>Corynebacterium glutamicum</i> . <i>Applied Microbiology and Biotechnology</i> , 2020 , 104, 8257-8266	5.7	2
41	Development of a Chemiluminescence Immunoassay for Quantification of 25-Hydroxyvitamin D in Human Serum. <i>Journal of Analytical Methods in Chemistry</i> , 2020 , 2020, 9039270	2	1
40	Pseudorabies virus production using a serum-free medium in fixed-bed bioreactors with low cell inoculum density. <i>Biotechnology Letters</i> , 2020 , 42, 2551-2560	3	1
39	A Chemiluminescent Immunoassay for Osteocalcin in Human Serum and a Solution to the "Hook Effect". <i>Journal of Analytical Methods in Chemistry</i> , 2020 , 2020, 8891437	2	1
38	Production Process Development of Pseudorabies Virus Vaccine by Using a Novel Scale-Down Model of a Fixed-Bed Bioreactor. <i>Journal of Pharmaceutical Sciences</i> , 2020 , 109, 959-965	3.9	2
37	Development of a Sensitive Chemiluminescence Immunoassay for the Quantification of Folic Acid in Human Serum. <i>Journal of Analytical Methods in Chemistry</i> , 2019 , 2019, 5402903	2	3
36	Development of a secretory expression system with high compatibility between expression elements and an optimized host for endoxylanase production in <i>Corynebacterium glutamicum</i> . <i>Microbial Cell Factories</i> , 2019 , 18, 72	6.4	11
35	Systematic analysis of the effects of different nitrogen source and ICDH knockout on glycolate synthesis in. <i>Journal of Biological Engineering</i> , 2019 , 13, 30	6.3	4
34	Quality by Design-Driven Process Development of Cell Culture in Bioreactor for the Production of Foot-And-Mouth Veterinary Vaccine. <i>Journal of Pharmaceutical Sciences</i> , 2019 , 108, 2288-2295	3.9	3
33	Site-directed mutation to improve the enzymatic activity of 5-carboxy-2-pentenoyl-CoA reductase for enhancing adipic acid biosynthesis. <i>Enzyme and Microbial Technology</i> , 2019 , 125, 6-12	3.8	3
32	Quality by Design-Driven Process Development of Severe Fever With Thrombocytopenia Syndrome Vaccine. <i>Journal of Pharmaceutical Sciences</i> , 2019 , 108, 3785-3791	3.9	1
31	Association of Intake Folate and Related Gene Polymorphisms with Breast Cancer. <i>Journal of Nutritional Science and Vitaminology</i> , 2019 , 65, 459-469	1.1	3

30	Triple deletion of <i>clpC</i> , <i>porB</i> , and <i>mepA</i> enhances production of small ubiquitin-like modifier-N-terminal pro-brain natriuretic peptide in <i>Corynebacterium glutamicum</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , 2019 , 46, 67-79	4.2	10
29	Engineering and manipulation of a mevalonate pathway in <i>Escherichia coli</i> for isoprene production. <i>Applied Microbiology and Biotechnology</i> , 2019 , 103, 239-250	5.7	20
28	Scaling up the Manufacturing Process of Adoptive T Cell Immunotherapy. <i>Biotechnology Journal</i> , 2019 , 14, e1800239	5.6	7
27	Identification and validation of appropriate reference genes for qRT-PCR analysis in <i>Corynebacterium glutamicum</i> . <i>FEMS Microbiology Letters</i> , 2018 , 365,	2.9	6
26	Impact of zinc oxide nanoparticles and ocean acidification on antioxidant responses of <i>Mytilus coruscus</i> . <i>Chemosphere</i> , 2018 , 196, 182-195	8.4	27
25	Transcriptional analysis of impacts of glycerol transporter 1 on methanol and glycerol metabolism in <i>Pichia pastoris</i> . <i>FEMS Yeast Research</i> , 2018 , 18,	3.1	8
24	Inducible CRISPR genome-editing tool: classifications and future trends. <i>Critical Reviews in Biotechnology</i> , 2018 , 38, 573-586	9.4	18
23	Correlation Between Protein Primary Structure and Soluble Expression Level of HSA dAb in. <i>Food Technology and Biotechnology</i> , 2018 , 56, 101-109	2.1	4
22	Transcription factor Mxr1 promotes the expression of Aox1 by repressing glycerol transporter 1 in <i>Pichia pastoris</i> . <i>FEMS Yeast Research</i> , 2017 , 17,	3.1	10
21	Construction of an expression vector that uses the <i>aph</i> promoter for protein expression in <i>Corynebacterium glutamicum</i> . <i>Plasmid</i> , 2017 , 94, 1-6	3.3	7
20	Efficient gene editing in <i>Corynebacterium glutamicum</i> using the CRISPR/Cas9 system. <i>Microbial Cell Factories</i> , 2017 , 16, 201	6.4	47
19	Bicistronic expression strategy for high-level expression of recombinant proteins in. <i>Engineering in Life Sciences</i> , 2017 , 17, 1118-1125	3.4	8
18	Protein secretion in <i>Corynebacterium glutamicum</i> . <i>Critical Reviews in Biotechnology</i> , 2017 , 37, 541-551	9.4	14
17	Comparative analysis of the <i>Corynebacterium glutamicum</i> transcriptome in response to changes in dissolved oxygen levels. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2017 , 44, 181-195	4.2	10
16	Breast Cancer Cell Line Classification and Its Relevance with Breast Tumor Subtyping. <i>Journal of Cancer</i> , 2017 , 8, 3131-3141	4.5	37 ¹
15	Transcriptome analysis of <i>Corynebacterium glutamicum</i> in the process of recombinant protein expression in bioreactors. <i>PLoS ONE</i> , 2017 , 12, e0174824	3.7	4
14	Exploring the intrinsic differences among breast tumor subtypes defined using immunohistochemistry markers based on the decision tree. <i>Scientific Reports</i> , 2016 , 6, 35773	4.9	12
13	Expression of recombinant protein using <i>Corynebacterium Glutamicum</i> : progress, challenges and applications. <i>Critical Reviews in Biotechnology</i> , 2016 , 36, 652-64	9.4	43

12	Downsizing a pullulanase to a small molecule with improved soluble expression and secretion efficiency in <i>Escherichia coli</i> . <i>Microbial Cell Factories</i> , 2016 , 15, 9	6.4	19
11	Transcriptome and Multivariable Data Analysis of <i>Corynebacterium glutamicum</i> under Different Dissolved Oxygen Conditions in Bioreactors. <i>PLoS ONE</i> , 2016 , 11, e0167156	3.7	17
10	Cancer Hallmarks, Biomarkers and Breast Cancer Molecular Subtypes. <i>Journal of Cancer</i> , 2016 , 7, 1281-94.5	4.5	190
9	The <i>Pichia pastoris</i> transmembrane protein GT1 is a glycerol transporter and relieves the repression of glycerol on AOX1 expression. <i>FEMS Yeast Research</i> , 2016 , 16,	3.1	15
8	Construction of genetic parts from the <i>Corynebacterium glutamicum</i> genome with high expression activities. <i>Biotechnology Letters</i> , 2016 , 38, 2119-2126	3	19
7	Mitochondrial engineering of the TCA cycle for fumarate production. <i>Metabolic Engineering</i> , 2015 , 31, 62-73	9.7	25
6	Protein engineering of <i>Bacillus acidopullulyticus</i> pullulanase for enhanced thermostability using in silico data driven rational design methods. <i>Enzyme and Microbial Technology</i> , 2015 , 78, 74-83	3.8	32
5	Molecular portraits revealing the heterogeneity of breast tumor subtypes defined using immunohistochemistry markers. <i>Scientific Reports</i> , 2015 , 5, 14499	4.9	28
4	WDR5 Expression Is Prognostic of Breast Cancer Outcome. <i>PLoS ONE</i> , 2015 , 10, e0124964	3.7	31
3	Breast cancer intrinsic subtype classification, clinical use and future trends. <i>American Journal of Cancer Research</i> , 2015 , 5, 2929-43	4.4	296
2	Integrative investigation on breast cancer in ER, PR and HER2-defined subgroups using mRNA and miRNA expression profiling. <i>Scientific Reports</i> , 2014 , 4, 6566	4.9	50
1	Cooperation of DLC1 and CDK6 affects breast cancer clinical outcome. <i>G3: Genes, Genomes, Genetics</i> , 2014 , 5, 81-91	3.2	13