

# Zhonghu Bai

## List of Publications by Citations

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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	Breast Cancer Cell Line Classification and Its Relevance with Breast Tumor Subtyping. <i>Journal of Cancer</i> , <b>2017</b> , 8, 3131-3141	4.5	371
64	Breast cancer intrinsic subtype classification, clinical use and future trends. <i>American Journal of Cancer Research</i> , <b>2015</b> , 5, 2929-43	4.4	296
63	Cancer Hallmarks, Biomarkers and Breast Cancer Molecular Subtypes. <i>Journal of Cancer</i> , <b>2016</b> , 7, 1281-94.5	4.5	190
62	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> , <b>2020</b> , 71, 2066-2072 <sup>11.6</sup> 79	11.6	79
61	Integrative investigation on breast cancer in ER, PR and HER2-defined subgroups using mRNA and miRNA expression profiling. <i>Scientific Reports</i> , <b>2014</b> , 4, 6566	4.9	50
60	Efficient gene editing in <i>Corynebacterium glutamicum</i> using the CRISPR/Cas9 system. <i>Microbial Cell Factories</i> , <b>2017</b> , 16, 201	6.4	47
59	Expression of recombinant protein using <i>Corynebacterium Glutamicum</i> : progress, challenges and applications. <i>Critical Reviews in Biotechnology</i> , <b>2016</b> , 36, 652-64	9.4	43
58	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> , <b>2015</b> , 78, 74-83	3.8	32
57	WDR5 Expression Is Prognostic of Breast Cancer Outcome. <i>PLoS ONE</i> , <b>2015</b> , 10, e0124964	3.7	31
56	Molecular portraits revealing the heterogeneity of breast tumor subtypes defined using immunohistochemistry markers. <i>Scientific Reports</i> , <b>2015</b> , 5, 14499	4.9	28
55	Impact of zinc oxide nanoparticles and ocean acidification on antioxidant responses of <i>Mytilus coruscus</i> . <i>Chemosphere</i> , <b>2018</b> , 196, 182-195	8.4	27
54	Mitochondrial engineering of the TCA cycle for fumarate production. <i>Metabolic Engineering</i> , <b>2015</b> , 31, 62-73	9.7	25
53	Engineering and manipulation of a mevalonate pathway in <i>Escherichia coli</i> for isoprene production. <i>Applied Microbiology and Biotechnology</i> , <b>2019</b> , 103, 239-250	5.7	20
52	Downsizing a pullulanase to a small molecule with improved soluble expression and secretion efficiency in <i>Escherichia coli</i> . <i>Microbial Cell Factories</i> , <b>2016</b> , 15, 9	6.4	19
51	Construction of genetic parts from the <i>Corynebacterium glutamicum</i> genome with high expression activities. <i>Biotechnology Letters</i> , <b>2016</b> , 38, 2119-2126	3	19
50	Inducible CRISPR genome-editing tool: classifications and future trends. <i>Critical Reviews in Biotechnology</i> , <b>2018</b> , 38, 573-586	9.4	18
49	Transcriptome and Multivariable Data Analysis of <i>Corynebacterium glutamicum</i> under Different Dissolved Oxygen Conditions in Bioreactors. <i>PLoS ONE</i> , <b>2016</b> , 11, e0167156	3.7	17

48	High efficiency CRISPR/Cas9 genome editing system with an eliminable episomal sgRNA plasmid in <i>Pichia pastoris</i> . <i>Enzyme and Microbial Technology</i> , <b>2020</b> , 138, 109556	3.8	15
47	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> , <b>2016</b> , 16,	3.1	15
46	Protein secretion in <i>Corynebacterium glutamicum</i> . <i>Critical Reviews in Biotechnology</i> , <b>2017</b> , 37, 541-551	9.4	14
45	Cooperation of DLC1 and CDK6 affects breast cancer clinical outcome. <i>G3: Genes, Genomes, Genetics</i> , <b>2014</b> , 5, 81-91	3.2	13
44	Exploring the intrinsic differences among breast tumor subtypes defined using immunohistochemistry markers based on the decision tree. <i>Scientific Reports</i> , <b>2016</b> , 6, 35773	4.9	12
43	Interleukin-6 promotes ferroptosis in bronchial epithelial cells by inducing reactive oxygen species-dependent lipid peroxidation and disrupting iron homeostasis. <i>Bioengineered</i> , <b>2021</b> , 12, 5279-5288	5.7	12
42	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> , <b>2019</b> , 18, 72	6.4	11
41	Transcription factor Mxr1 promotes the expression of Aox1 by repressing glycerol transporter 1 in <i>Pichia pastoris</i> . <i>FEMS Yeast Research</i> , <b>2017</b> , 17,	3.1	10
40	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> , <b>2017</b> , 44, 181-195	4.2	10
39	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> , <b>2019</b> , 46, 67-79	4.2	10
38	Enhanced production of recombinant proteins in <i>Corynebacterium glutamicum</i> by constructing a bicistronic gene expression system. <i>Microbial Cell Factories</i> , <b>2020</b> , 19, 113	6.4	8
37	Transcriptional analysis of impacts of glycerol transporter 1 on methanol and glycerol metabolism in <i>Pichia pastoris</i> . <i>FEMS Yeast Research</i> , <b>2018</b> , 18,	3.1	8
36	Bicistronic expression strategy for high-level expression of recombinant proteins in. <i>Engineering in Life Sciences</i> , <b>2017</b> , 17, 1118-1125	3.4	8
35	Construction of an expression vector that uses the <i>aph</i> promoter for protein expression in <i>Corynebacterium glutamicum</i> . <i>Plasmid</i> , <b>2017</b> , 94, 1-6	3.3	7
34	Scaling up the Manufacturing Process of Adoptive T Cell Immunotherapy. <i>Biotechnology Journal</i> , <b>2019</b> , 14, e1800239	5.6	7
33	Identification and validation of appropriate reference genes for qRT-PCR analysis in <i>Corynebacterium glutamicum</i> . <i>FEMS Microbiology Letters</i> , <b>2018</b> , 365,	2.9	6
32	Targeted editing of transcriptional activator MXR1 on the <i>Pichia pastoris</i> genome using CRISPR/Cas9 technology. <i>Yeast</i> , <b>2020</b> , 37, 305-312	3.4	5
31	Metabolic engineering strategies for sesquiterpene production in microorganism. <i>Critical Reviews in Biotechnology</i> , <b>2021</b> , 1-20	9.4	5

30	Systematic analysis of the effects of different nitrogen source and ICDH knockout on glycolate synthesis in. <i>Journal of Biological Engineering</i> , <b>2019</b> , 13, 30	6.3	4
29	Transcriptome analysis of <i>Corynebacterium glutamicum</i> in the process of recombinant protein expression in bioreactors. <i>PLoS ONE</i> , <b>2017</b> , 12, e0174824	3.7	4
28	Correlation Between Protein Primary Structure and Soluble Expression Level of HSA dAb in. <i>Food Technology and Biotechnology</i> , <b>2018</b> , 56, 101-109	2.1	4
27	Development of a Sensitive Chemiluminescence Immunoassay for the Quantification of Folic Acid in Human Serum. <i>Journal of Analytical Methods in Chemistry</i> , <b>2019</b> , 2019, 5402903	2	3
26	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> , <b>2019</b> , 108, 2288-2295	3.9	3
25	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> , <b>2019</b> , 125, 6-12	3.8	3
24	Association of Intake Folate and Related Gene Polymorphisms with Breast Cancer. <i>Journal of Nutritional Science and Vitaminology</i> , <b>2019</b> , 65, 459-469	1.1	3
23	Characterization and application of a putative transcription factor (SUT2) in <i>Pichia pastoris</i> . <i>Molecular Genetics and Genomics</i> , <b>2020</b> , 295, 1295-1304	3.1	2
22	Fast clustering-based weighted twin support vector regression. <i>Soft Computing</i> , <b>2020</b> , 24, 6101-6117	3.5	2
21	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> , <b>2020</b> , 141, 109651	3.8	2
20	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> , <b>2020</b> , 104, 8257-8266	5.7	2
19	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> , <b>2020</b> , 109, 959-965	3.9	2
18	Bicistronic design as recombinant expression enhancer: characteristics, applications, and structural optimization. <i>Applied Microbiology and Biotechnology</i> , <b>2021</b> , 105, 7709-7720	5.7	2
17	Rapid process development of serum-free pseudorabies virus production with the Quality by Design approach. <i>Cytotechnology</i> , <b>2020</b> , 72, 283-293	2.2	1
16	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> , <b>2020</b> , 42, 2413-2423	3	1
15	Development of a Chemiluminescence Immunoassay for Quantification of 25-Hydroxyvitamin D in Human Serum. <i>Journal of Analytical Methods in Chemistry</i> , <b>2020</b> , 2020, 9039270	2	1
14	Pseudorabies virus production using a serum-free medium in fixed-bed bioreactors with low cell inoculum density. <i>Biotechnology Letters</i> , <b>2020</b> , 42, 2551-2560	3	1
13	A Chemiluminescent Immunoassay for Osteocalcin in Human Serum and a Solution to the "Hook Effect". <i>Journal of Analytical Methods in Chemistry</i> , <b>2020</b> , 2020, 8891437	2	1

12	Strategies and challenges with the microbial conversion of methanol to high-value chemicals. <i>Biotechnology and Bioengineering</i> , <b>2021</b> , 118, 3655-3668	4.9	1
11	Quality by Design-Driven Process Development of Severe Fever With Thrombocytopenia Syndrome Vaccine. <i>Journal of Pharmaceutical Sciences</i> , <b>2019</b> , 108, 3785-3791	3.9	1
10	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> , <b>2021</b> , 339, 22-31	3.7	1
9	Recent advances in high-throughput metabolic engineering: Generation of oligonucleotide-mediated genetic libraries.. <i>Biotechnology Advances</i> , <b>2022</b> , 107970	17.8	1
8	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> , <b>2021</b> , 96, 412-422	3.5	0
7	Recent Advances in Synthetic, Industrial and Biological Applications of Violacein and Its Heterologous Production. <i>Journal of Microbiology and Biotechnology</i> , <b>2021</b> , 31, 1465-1480	3.3	0
6	Effect of Clp protease from <i>Corynebacterium glutamicum</i> on heterologous protein expression. <i>Protein Expression and Purification</i> , <b>2022</b> , 189, 105928	2	0
5	Development of a novel platform for recombinant protein production in on ethanol.. <i>Synthetic and Systems Biotechnology</i> , <b>2022</b> , 7, 765-774	4.2	0
4	Hypersecretion of OmlA antigen in <i>Corynebacterium glutamicum</i> through high-throughput based development process.. <i>Applied Microbiology and Biotechnology</i> , <b>2022</b> , 106, 2953	5.7	0
3	Advances in the Study of Inhaled Formulations for the Treatment of Pulmonary Arterial Hypertension. <i>Applied Bionics and Biomechanics</i> , <b>2022</b> , 2022, 1-5	1.6	0
2	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> , <b>2020</b> , 47, 355	4.2	
1	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> , <b>2021</b> , 37, 160	4.4	