

Zhonghu Bai

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2871453/publications.pdf>

Version: 2024-02-01

65
papers

2,508
citations

361045

20
h-index

214527

47
g-index

71
all docs

71
docs citations

71
times ranked

4680
citing authors

#	ARTICLE	IF	CITATIONS
1	Breast Cancer Cell Line Classification and Its Relevance with Breast Tumor Subtyping. <i>Journal of Cancer</i> , 2017, 8, 3131-3141.	1.2	709
2	Breast cancer intrinsic subtype classification, clinical use and future trends. <i>American Journal of Cancer Research</i> , 2015, 5, 2929-43.	1.4	327
3	Cancer Hallmarks, Biomarkers and Breast Cancer Molecular Subtypes. <i>Journal of Cancer</i> , 2016, 7, 1281-1294.	1.2	300
4	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.	2.9	105
5	WDR5 Expression Is Prognostic of Breast Cancer Outcome. <i>PLoS ONE</i> , 2015, 10, e0124964.	1.1	72
6	Efficient gene editing in <i>Corynebacterium glutamicum</i> using the CRISPR/Cas9 system. <i>Microbial Cell Factories</i> , 2017, 16, 201.	1.9	66
7	Expression of recombinant protein using <i>Corynebacterium Glutamicum</i> : progress, challenges and applications. <i>Critical Reviews in Biotechnology</i> , 2016, 36, 652-664.	5.1	62
8	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.	1.6	61
9	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.	1.4	60
10	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.	1.6	52
11	Impact of zinc oxide nanoparticles and ocean acidification on antioxidant responses of <i>Mytilus coruscus</i> . <i>Chemosphere</i> , 2018, 196, 182-195.	4.2	39
12	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.	1.7	32
13	Molecular portraits revealing the heterogeneity of breast tumor subtypes defined using immunohistochemistry markers. <i>Scientific Reports</i> , 2015, 5, 14499.	1.6	29
14	Mitochondrial engineering of the TCA cycle for fumarate production. <i>Metabolic Engineering</i> , 2015, 31, 62-73.	3.6	29
15	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.	1.6	29
16	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.	1.9	28
17	Construction of genetic parts from the <i>Corynebacterium glutamicum</i> genome with high expression activities. <i>Biotechnology Letters</i> , 2016, 38, 2119-2126.	1.1	25
18	Inducible CRISPR genome-editing tool: classifications and future trends. <i>Critical Reviews in Biotechnology</i> , 2018, 38, 573-586.	5.1	24

#	ARTICLE	IF	CITATIONS
19	Metabolic engineering strategies for sesquiterpene production in microorganism. <i>Critical Reviews in Biotechnology</i> , 2022, 42, 73-92.	5.1	24
20	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, fow033.	1.1	23
21	Toward improved terpenoids biosynthesis: strategies to enhance the capabilities of cell factories. <i>Bioresources and Bioprocessing</i> , 2022, 9, .	2.0	21
22	Protein secretion in <i>Corynebacterium glutamicum</i> . <i>Critical Reviews in Biotechnology</i> , 2017, 37, 541-551.	5.1	20
23	Transcriptome and Multivariable Data Analysis of <i>Corynebacterium glutamicum</i> under Different Dissolved Oxygen Conditions in Bioreactors. <i>PLoS ONE</i> , 2016, 11, e0167156.	1.1	19
24	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.	1.9	18
25	Cooperation of DLC1 and CDK6 Affects Breast Cancer Clinical Outcome. <i>G3: Genes, Genomes, Genetics</i> , 2015, 5, 81-91.	0.8	17
26	Exploring the intrinsic differences among breast tumor subtypes defined using immunohistochemistry markers based on the decision tree. <i>Scientific Reports</i> , 2016, 6, 35773.	1.6	17
27	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, .	1.1	17
28	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.	1.9	17
29	Bicistronic expression strategy for high-level expression of recombinant proteins in <i>Corynebacterium glutamicum</i> . <i>Engineering in Life Sciences</i> , 2017, 17, 1118-1125.	2.0	16
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.	1.4	16
31	Targeted editing of transcriptional activator <i>MXR1</i> on the <i>Pichia pastoris</i> genome using CRISPR/Cas9 technology. <i>Yeast</i> , 2020, 37, 305-312.	0.8	13
32	Strategies and challenges with the microbial conversion of methanol to high-value chemicals. <i>Biotechnology and Bioengineering</i> , 2021, 118, 3655-3668.	1.7	12
33	Identification and validation of appropriate reference genes for qRT-PCR analysis in <i>Corynebacterium glutamicum</i> . <i>FEMS Microbiology Letters</i> , 2018, 365, .	0.7	11
34	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, .	1.1	11
35	Scaling up the Manufacturing Process of Adoptive T Cell Immunotherapy. <i>Biotechnology Journal</i> , 2019, 14, 1800239.	1.8	11
36	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.	0.9	11

#	ARTICLE	IF	CITATIONS
37	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.	1.9	11
38	Construction of an expression vector that uses the aph promoter for protein expression in <i>Corynebacterium glutamicum</i> . <i>Plasmid</i> , 2017, 94, 1-6.	0.4	10
39	<scp>MAPK</scp>/<scp>HOG</scp> signaling pathway induced stress-responsive damage repair is a mechanism for <scp><i>Pichia pastoris</i></scp> to survive from hyperosmotic stress. <i>Journal of Chemical Technology and Biotechnology</i> , 2021, 96, 412-422.	1.6	10
40	Systematic analysis of the effects of different nitrogen source and ICDH knockout on glycolate synthesis in <i>Escherichia coli</i> . <i>Journal of Biological Engineering</i> , 2019, 13, 30.	2.0	9
41	Bicistronic design as recombinant expression enhancer: characteristics, applications, and structural optimization. <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 7709-7720.	1.7	9
42	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.	1.6	8
43	Development of a novel platform for recombinant protein production in <i>Corynebacterium glutamicum</i> on ethanol. <i>Synthetic and Systems Biotechnology</i> , 2022, 7, 765-774.	1.8	8
44	Development of a Chemiluminescence Immunoassay for Quantification of 25-Hydroxyvitamin D in Human Serum. <i>Journal of Analytical Methods in Chemistry</i> , 2020, 2020, 1-7.	0.7	7
45	Association of Intake Folate and Related Gene Polymorphisms with Breast Cancer. <i>Journal of Nutritional Science and Vitaminology</i> , 2019, 65, 459-469.	0.2	6
46	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.	1.7	6
47	Effect of Clp protease from <i>Corynebacterium glutamicum</i> on heterologous protein expression. <i>Protein Expression and Purification</i> , 2022, 189, 105928.	0.6	6
48	Correlation between Protein Primary Structure and Soluble Expression Level of HSA dAb in <i>Escherichia coli</i> . <i>Food Technology and Biotechnology</i> , 2018, 56, 101-109.	0.9	5
49	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.	1.6	5
50	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.	1.6	5
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.	1.0	5
52	Rapid process development of serum-free pseudorabies virus production with the Quality by Design approach. <i>Cytotechnology</i> , 2020, 72, 283-293.	0.7	5
53	Fast clustering-based weighted twin support vector regression. <i>Soft Computing</i> , 2020, 24, 6101-6117.	2.1	5
54	Transcriptome analysis of <i>Corynebacterium glutamicum</i> in the process of recombinant protein expression in bioreactors. <i>PLoS ONE</i> , 2017, 12, e0174824.	1.1	5

#	ARTICLE	IF	CITATIONS
55	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, 1-7.	0.7	4
56	The efficient development of a novel recombinant adenovirus zoster vaccine perfusion production process. <i>Vaccine</i> , 2022, 40, 2036-2043.	1.7	4
57	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.	1.6	3
58	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, 1-8.	0.7	3
59	Hypersecretion of OmlA antigen in <i>Corynebacterium glutamicum</i> through high-throughput based development process. <i>Applied Microbiology and Biotechnology</i> , 2022, 106, 2953-2967.	1.7	3
60	Recent advances in high-throughput metabolic engineering: Generation of oligonucleotide-mediated genetic libraries. <i>Biotechnology Advances</i> , 2022, 59, 107970.	6.0	3
61	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.	1.1	2
62	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.	1.1	2
63	Advances in the Study of Inhaled Formulations for the Treatment of Pulmonary Arterial Hypertension. <i>Applied Bionics and Biomechanics</i> , 2022, 2022, 1-5.	0.5	2
64	Quality by Design-Driven Process Development of Severe Fever With Thrombocytopenia Syndrome Vaccine. <i>Journal of Pharmaceutical Sciences</i> , 2019, 108, 3785-3791.	1.6	1
65	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.	1.7	1