

# Guiyang Shi

## List of Publications by Year in descending order

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51  
papers

724  
citations

623734

14  
h-index

677142

22  
g-index

56  
all docs

56  
docs citations

56  
times ranked

580  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of culture conditions on monosaccharide composition of <i>Ganoderma lucidum</i> exopolysaccharide and on activities of related enzymes. <i>Carbohydrate Polymers</i> , 2015, 133, 104-109.	10.2	57
2	Preparation of immobilized lipase by modified polyacrylonitrile hollow membrane using nitrile-click chemistry. <i>Bioresource Technology</i> , 2019, 274, 9-17.	9.6	43
3	The nitrogen removal characterization of a cold-adapted bacterium: <i>Bacillus simplex</i> H-b. <i>Bioresource Technology</i> , 2021, 323, 124554.	9.6	39
4	Overproduction of Î±-Farnesene in <i>Saccharomyces cerevisiae</i> by Farnesene Synthase Screening and Metabolic Engineering. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 3103-3113.	5.2	33
5	Design of composite nanosupports and applications thereof in enzyme immobilization: A review. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, 217, 112602.	5.0	31
6	Development of an Inducible Secretary Expression System in <i>Bacillus licheniformis</i> Based on an Engineered Xylose Operon. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 9456-9464.	5.2	29
7	Reconstruction and Analysis of a Genome-Scale Metabolic Model of <i>Ganoderma lucidum</i> for Improved Extracellular Polysaccharide Production. <i>Frontiers in Microbiology</i> , 2018, 9, 3076.	3.5	26
8	Stimulated laccase production of <i>Pleurotus ferulae</i> JM301 fungus by <i>Rhodotorula mucilaginosa</i> yeast in co-culture. <i>Process Biochemistry</i> , 2015, 50, 901-905.	3.7	23
9	Investigation of debranching pattern of a thermostable isoamylase and its application for the production of resistant starch. <i>Carbohydrate Research</i> , 2017, 446-447, 93-100.	2.3	22
10	Effects of mixed carbon sources on galactose and mannose content of exopolysaccharides and related enzyme activities in <i>Ganoderma lucidum</i> . <i>RSC Advances</i> , 2016, 6, 39284-39291.	3.6	20
11	Development of an Efficient Strategy to Improve Extracellular Polysaccharide Production of <i>Ganoderma lucidum</i> Using L-Phenylalanine as an Enhancer. <i>Frontiers in Microbiology</i> , 2019, 10, 2306.	3.5	20
12	Engineering of isoamylase: improvement of protein stability and catalytic efficiency through semi-rational design. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2016, 43, 3-12.	3.0	18
13	Comparative transcriptomics and transcriptional regulation analysis of enhanced laccase production induced by co-culture of <i>Pleurotus eryngii</i> var. <i>ferulae</i> with <i>Rhodotorula mucilaginosa</i> . <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 241-255.	3.6	18
14	Biological strategies for oligo/polysaccharide synthesis: biocatalyst and microbial cell factory. <i>Carbohydrate Polymers</i> , 2021, 258, 117695.	10.2	17
15	SiO <sub>2</sub> -Coated Fe <sub>3</sub> O <sub>4</sub> Nanoparticle/Polyacrylonitrile Beads for One-Step Lipase Immobilization. <i>ACS Applied Nano Materials</i> , 2021, 4, 7856-7869.	5.0	17
16	Production and characterization of milk-clotting enzyme from <i>Bacillus amyloliquefaciens</i> JNU002 by submerged fermentation. <i>European Food Research and Technology</i> , 2012, 234, 415-421.	3.3	15
17	Transcriptional Changes in the Xylose Operon in <i>Bacillus licheniformis</i> and Their Use in Fermentation Optimization. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4615.	4.1	15
18	Engineering of a Biosensor in Response to Malate in <i>Bacillus licheniformis</i> . <i>ACS Synthetic Biology</i> , 2021, 10, 1775-1784.	3.8	15

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19	Methyl lucidenate F isolated from the ethanol-soluble-acidic components of <i>Ganoderma lucidum</i> is a novel tyrosinase inhibitor. <i>Biotechnology and Bioprocess Engineering</i> , 2011, 16, 457-461.	2.6	14
20	Enhancing Geranylgeraniol Production by Metabolic Engineering and Utilization of Isoprenol as a Substrate in <i>Saccharomyces cerevisiae</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 4480-4489.	5.2	14
21	Unraveling the specific regulation of the shikimate pathway for tyrosine accumulation in <i>Bacillus licheniformis</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , 2019, 46, 1047-1059.	3.0	13
22	Transcriptome dynamics and metabolite analysis revealed the candidate genes and regulatory mechanism of ganoderic acid biosynthesis during liquid superficial static culture of <i>Ganoderma lucidum</i> . <i>Microbial Biotechnology</i> , 2021, 14, 600-613.	4.2	13
23	Substrate inactivation of bacterial L-aspartate $\pm$ -decarboxylase from <i>Corynebacterium jeikeium</i> K411 and improvement of molecular stability by saturation mutagenesis. <i>World Journal of Microbiology and Biotechnology</i> , 2019, 35, 62.	3.6	12
24	A new CcpA binding site plays a bidirectional role in carbon catabolism in <i>Bacillus licheniformis</i> . <i>IScience</i> , 2021, 24, 102400.	4.1	12
25	Production of L-tyrosine using tyrosine phenol-lyase by whole cell biotransformation approach. <i>Enzyme and Microbial Technology</i> , 2019, 131, 109430.	3.2	11
26	Construction of a novel sugar alcohol-inducible expression system in <i>Bacillus licheniformis</i> . <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 5409-5425.	3.6	11
27	Microbial production of small peptide: pathway engineering and synthetic biology. <i>Microbial Biotechnology</i> , 2021, 14, 2257-2278.	4.2	11
28	Preparation and characterization of a novel thermostable lipase from <i>Thermomicrobium roseum</i> . <i>Catalysis Science and Technology</i> , 2021, 11, 7386-7397.	4.1	11
29	$\beta$ -Carotene from Yeasts Enhances Laccase Production of <i>Pleurotus eryngii</i> var. <i>ferulae</i> in Co-culture. <i>Frontiers in Microbiology</i> , 2017, 8, 1101.	3.5	10
30	Influence of Selenium Biofortification on the Growth and Bioactive Metabolites of <i>Ganoderma lucidum</i> . <i>Foods</i> , 2021, 10, 1860.	4.3	10
31	Ancestral sequence reconstruction and spatial structure analysis guided alteration of longer-chain substrate catalysis for <i>Thermomicrobium roseum</i> lipase. <i>Enzyme and Microbial Technology</i> , 2022, 156, 109989.	3.2	10
32	Identification of mutations restricting autocatalytic activation of bacterial L-aspartate $\pm$ -decarboxylase. <i>Amino Acids</i> , 2018, 50, 1433-1440.	2.7	9
33	Efficient Genome Editing in <i>Bacillus licheniformis</i> Mediated by a Conditional CRISPR/Cas9 System. <i>Microorganisms</i> , 2020, 8, 754.	3.6	9
34	Improvement of 2-phenylethanol production in <i>Saccharomyces cerevisiae</i> by evolutionary and rational metabolic engineering. <i>PLoS ONE</i> , 2021, 16, e0258180.	2.5	9
35	Effect of surfactants on the production of polysaccharides from <i>Schizophyllum commune</i> through submerged fermentation. <i>International Journal of Biological Macromolecules</i> , 2021, 192, 210-218.	7.5	9
36	Transcriptome Analysis of <i>Bacillus licheniformis</i> for Improving Bacitracin Production. <i>ACS Synthetic Biology</i> , 2022, 11, 1325-1335.	3.8	9

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37	A Novel and Rapid Method for Yeast Vitality Evaluation Based on the Methylene Blue Dye Reduction Test. <i>Journal of the American Society of Brewing Chemists</i> , 2011, 69, 44-49.	1.1	8
38	Application of full permeate recycling to very high gravity ethanol fermentation from corn. <i>Korean Journal of Chemical Engineering</i> , 2009, 26, 719-723.	2.7	7
39	A two-stage oxygen supply control strategy for enhancing milk-clotting enzyme production by <i>Bacillus amyloliquefaciens</i> . <i>European Food Research and Technology</i> , 2012, 234, 1043-1048.	3.3	7
40	Inducible expression of trehalose synthase in <i>Bacillus licheniformis</i> . <i>Protein Expression and Purification</i> , 2017, 130, 115-122.	1.3	6
41	Improving <i>Aspergillus niger</i> seed preparation and citric acid production by morphology controlling-based semicontinuous cultivation. <i>Biochemical Engineering Journal</i> , 2021, 174, 108102.	3.6	6
42	Roles of Small Subunits of Laccase (ssPOXA3a/b) in Laccase Production by <i>Pleurotus eryngii</i> var. <i>ferulae</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 13113-13124.	5.2	6
43	Combining Precursor-Directed Engineering with Modular Designing: An Effective Strategy for De Novo Biosynthesis of <i>l</i> -DOPA in <i>Bacillus licheniformis</i> . <i>ACS Synthetic Biology</i> , 2022, 11, 700-712.	3.8	6
44	Establishment of an Efficient Polyethylene Glycol (PEG)-Mediated Transformation System in <i>Pleurotus eryngii</i> var. <i>ferulae</i> Using Comprehensive Optimization and Multiple Endogenous Promoters. <i>Journal of Fungi (Basel, Switzerland)</i> , 2022, 8, 186.	3.5	6
45	CcpA mutants influence selective carbon source utilization by changing interactions with target genes in <i>Bacillus licheniformis</i> . <i>Systems Microbiology and Biomanufacturing</i> , 0, , 1.	2.9	4
46	Reductase-catalyzed tetrahydrobiopterin regeneration alleviates the anti-competitive inhibition of tyrosine hydroxylation by 7,8-dihydrobiopterin. <i>Catalysis Science and Technology</i> , 2021, 11, 3128-3140.	4.1	3
47	Analysis of Xylose Operon from <i>Paenibacillus polymyxa</i> ATCC842 and Development of Tools for Gene Expression. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5024.	4.1	3
48	Adenylation domains of nonribosomal peptide synthetase: A potential biocatalyst for synthesis of dipeptides and their derivatives. <i>Enzyme and Microbial Technology</i> , 2022, 160, 110089.	3.2	3
49	Affinity adsorption of phospholipase A1 with designed ligand binding to catalytic pocket. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2020, 1159, 122402.	2.3	1
50	Functional Characterization of Transporters for L-Aspartate in <i>Bacillus licheniformis</i> . <i>Fermentation</i> , 2022, 8, 22.	3.0	1
51	Clustering of Protein Sequences with a Modularity-Based Approach. , 2009, , .		0