

Yujie Cai

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.

66

papers

673

citations

14

h-index

22

g-index

71

ext. papers

915

ext. citations

4.3

avg, IF

4.19

L-index

#	Paper	IF	Citations
66	Characterization of a novel type homoserine dehydrogenase with high oxidation activity from <i>Arthrobacter nicotinovorans</i> . <i>Process Biochemistry</i> , 2022 , 114, 102-110	4.8	0
65	Identification of a novel glycerophosphodiester phosphodiesterase from W3 and its application in degradation of diphenyl phosphate. <i>3 Biotech</i> , 2021 , 11, 161	2.8	1
64	A single point mutation engineering for changing the substrate specificity of d-lactate dehydrogenase from <i>Lactobacillus fermentum</i> . <i>LWT - Food Science and Technology</i> , 2021 , 151, 112209	5.4	0
63	A novel feruloyl esterase with high rosmarinic acid hydrolysis activity from <i>Bacillus pumilus</i> W3. <i>International Journal of Biological Macromolecules</i> , 2020 , 161, 525-530	7.9	4
62	A novel type alanine dehydrogenase from <i>Helicobacter aurati</i> : Molecular characterization and application. <i>International Journal of Biological Macromolecules</i> , 2020 , 161, 636-642	7.9	1
61	Improving the catalytic thermostability of W3 α -transaminase by proline substitutions. <i>3 Biotech</i> , 2020 , 10, 323	2.8	3
60	Unveiling the Multipath Biosynthesis Mechanism of 2-Phenylethanol in. <i>Journal of Agricultural and Food Chemistry</i> , 2020 , 68, 7684-7690	5.7	3
59	Advanced strategy for metabolite exploration in filamentous fungi. <i>Critical Reviews in Biotechnology</i> , 2020 , 40, 180-198	9.4	5
58	Mining of alkaline proteases from <i>Bacillus altitudinis</i> W3 for desensitization of milk proteins: Their heterologous expression, purification, and characterization. <i>International Journal of Biological Macromolecules</i> , 2020 , 153, 1220-1230	7.9	12
57	Characterization of a novel carboxylesterase from <i>Bacillus velezensis</i> SYBC H47 and its application in degradation of phthalate esters. <i>Journal of Bioscience and Bioengineering</i> , 2020 , 129, 588-594	3.3	13
56	Structural and Functional Analysis of the Only Two Pyridoxal 5'-Phosphate-Dependent Fold Type IV Transaminases in <i>Bacillus altitudinis</i> W3. <i>Catalysts</i> , 2020 , 10, 1308	4	1
55	Modular engineering of <i>Shiraia bambusicola</i> for hypocrellin production through an efficient CRISPR system. <i>International Journal of Biological Macromolecules</i> , 2020 , 165, 796-803	7.9	3
54	Biosynthesis of Putrescine from L-arginine Using Engineered <i>Escherichia coli</i> Whole Cells. <i>Catalysts</i> , 2020 , 10, 947	4	6
53	Characterisation of five alcohol dehydrogenases from <i>Lactobacillus reuteri</i> DSM20016. <i>Process Biochemistry</i> , 2019 , 86, 73-79	4.8	3
52	Biosynthesis of D-danshensu From L-DOPA using engineered <i>Escherichia coli</i> whole cells. <i>Applied Microbiology and Biotechnology</i> , 2019 , 103, 6097-6105	5.7	4
51	Efficient Synthesis of Hydroxytyrosol from l-3,4-Dihydroxyphenylalanine Using Engineered <i>Escherichia coli</i> Whole Cells. <i>Journal of Agricultural and Food Chemistry</i> , 2019 , 67, 6867-6873	5.7	14
50	Redox self-sufficient biocatalyst system for conversion of 3,4-Dihydroxyphenyl-L-alanine into (R)- or (S)-3,4-Dihydroxyphenyllactic acid. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2019 , 46, 1084-1090	4.7	3

49	One-pot, three-step cascade synthesis of D-danshensu using engineered <i>Escherichia coli</i> whole cells. <i>Journal of Biotechnology</i> , 2019 , 300, 48-54	3.7	7
48	An alkaline phosphatase from <i>Bacillus amyloliquefaciens</i> YP6 of new application in biodegradation of five broad-spectrum organophosphorus pesticides. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2019 , 54, 336-343	2.2	15
47	The effects of phytoremediation on soil bacterial communities in an abandoned mine site of rare earth elements. <i>Science of the Total Environment</i> , 2019 , 670, 950-960	10.2	37
46	Production of rosmarinic acid with ATP and CoA double regenerating system. <i>Enzyme and Microbial Technology</i> , 2019 , 131, 109392	3.8	3
45	Comparison of aminotransferases of three <i>Bacillus</i> strains <i>Bacillus altitudinis</i> W3, <i>Bacillus velezensis</i> SYBC H47, and <i>Bacillus amyloliquefaciens</i> YP6 via genome analysis and bioinformatics. <i>Journal of Applied Genetics</i> , 2019 , 60, 427-430	2.5	2
44	Expression and characterisation of feruloyl esterases from <i>Lactobacillus fermentum</i> JN248 and release of ferulic acid from wheat bran. <i>International Journal of Biological Macromolecules</i> , 2019 , 138, 272-277	7.9	11
43	Effect of residue substitution via site-directed mutagenesis on activity and stereoselectivity of transaminase BpTA from <i>Bacillus pumilus</i> W3 for sitafloxacin hydrate intermediate. <i>International Journal of Biological Macromolecules</i> , 2019 , 137, 732-740	7.9	2
42	Alcohol dehydrogenases from <i>Proteus mirabilis</i> contribute to alcoholic flavor. <i>Journal of the Science of Food and Agriculture</i> , 2019 , 99, 4123-4128	4.3	1
41	Evaluation of the Strain YP6 in Phoxim Degradation via Transcriptomic Data and Product Analysis. <i>Molecules</i> , 2019 , 24,	4.8	4
40	Mining of aminotransferase gene <i>ota3</i> from <i>Bacillus pumilus</i> W3 via genome analysis, gene cloning and expressing for compound bioamination. <i>Gene</i> , 2019 , 686, 21-28	3.8	5
39	Mimicking a New 2-Phenylethanol Production Pathway from <i>Proteus mirabilis</i> JN458 in <i>Escherichia coli</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2018 , 66, 3498-3504	5.7	22
38	Enhanced hypocrellin production of <i>Shiraia</i> sp. SUPER-H168 by overexpression of alpha-amylase gene. <i>PLoS ONE</i> , 2018 , 13, e0196519	3.7	2
37	Isolation of β -1,3-Glucanase-Producing Microorganisms from Cultivation Soil via Molecular Biology. <i>Molecules</i> , 2018 , 23,	4.8	15
36	Enhanced hypocrellin production via coexpression of alpha-amylase and hemoglobin genes in <i>Shiraia bambusicola</i> . <i>AMB Express</i> , 2018 , 8, 71	4.1	4
35	Influences of light on growth, reproduction and hypocrellin production by <i>Shiraia</i> sp. SUPER-H168. <i>Archives of Microbiology</i> , 2018 , 200, 1217-1225	3	8
34	Characterisation of a monooxygenase in <i>Shiraia bambusicola</i> . <i>Microbiology (United Kingdom)</i> , 2018 , 164, 1180-1188	2.9	4
33	Reducing 3,4-dihydroxyphenylpyruvic acid to d-3,4-dihydroxyphenyllactic acid via a coenzyme nonspecific d-lactate dehydrogenase from <i>Lactobacillus reuteri</i> . <i>Journal of Applied Microbiology</i> , 2018 , 125, 1739	4.7	3
32	Fe(III)-based immobilized metal-affinity chromatography (IMAC) method for the separation of the catechol siderophore from CD36. <i>3 Biotech</i> , 2018 , 8, 392	2.8	5

31	Identification of a L-Lactate dehydrogenase with 3,4-dihydroxyphenylpyruvic reduction activity for l-Danshensu production. <i>Process Biochemistry</i> , 2018 , 72, 119-123	4.8	6
30	CRISPR system in filamentous fungi: Current achievements and future directions. <i>Gene</i> , 2017 , 627, 212-228	3.8	45
29	Characterization of a major facilitator superfamily transporter in <i>Shiraia bambusicola</i> . <i>Research in Microbiology</i> , 2017 , 168, 664-672	4	14
28	Characterisation of a thiamine diphosphate-dependent alpha-keto acid decarboxylase from <i>Proteus mirabilis</i> JN458. <i>Food Chemistry</i> , 2017 , 232, 19-24	8.5	8
27	Biochemical characteristics of three feruloyl esterases with a broad substrate spectrum from <i>Bacillus amyloliquefaciens</i> H47. <i>Process Biochemistry</i> , 2017 , 53, 109-115	4.8	14
26	Characterization of a d-Lactate Dehydrogenase from <i>Lactobacillus fermentum</i> JN248 with High Phenylpyruvate Reductive Activity. <i>Journal of Food Science</i> , 2017 , 82, 2269-2275	3.4	12
25	Genome editing in <i>Shiraia bambusicola</i> using CRISPR-Cas9 system. <i>Journal of Biotechnology</i> , 2017 , 259, 228-234	3.7	31
24	Expression, purification, and characterization of a membrane-bound D-amino acid dehydrogenase from <i>Proteus mirabilis</i> JN458. <i>Biotechnology Letters</i> , 2017 , 39, 1559-1566	3	4
23	Purification, characterization and gene analysis of a new β -glucosidase from <i>shiraia</i> sp. SUPER-H168. <i>Annals of Microbiology</i> , 2017 , 67, 65-77	3.2	3
22	The rhizospheric microbial community structure and diversity of deciduous and evergreen forests in Taihu Lake area, China. <i>PLoS ONE</i> , 2017 , 12, e0174411	3.7	29
21	Reference genes selection and relative expression analysis from <i>Shiraia</i> sp. SUPER-H168 productive of hypocrellin. <i>Gene</i> , 2016 , 580, 67-72	3.8	11
20	Discovery of novel feruloyl esterase activity of BioH in <i>Escherichia coli</i> BL21(DE3). <i>Biotechnology Letters</i> , 2016 , 38, 1009-13	3	2
19	Antifungal Activity of Isolated <i>Bacillus amyloliquefaciens</i> SYBC H47 for the Biocontrol of Peach Gummosis. <i>PLoS ONE</i> , 2016 , 11, e0162125	3.7	40
18	Adaptive Responses to Oxidative Stress in the Filamentous Fungal <i>Shiraia bambusicola</i> . <i>Molecules</i> , 2016 , 21,	4.8	19
17	Hydrogen Peroxide-Resistant CotA and YjqC of <i>Bacillus altitudinis</i> Spores Are a Promising Biocatalyst for Catalyzing Reduction of Sinapic Acid and Sinapine in Rapeseed Meal. <i>PLoS ONE</i> , 2016 , 11, e0158351	3.7	9
16	An efficient polyethylene glycol-mediated transformation system of lentiviral vector in <i>Shiraia bambusicola</i> . <i>Process Biochemistry</i> , 2016 , 51, 1357-1362	4.8	10
15	Fermentation optimization, cloning and sequence analysis of the laccase gene from <i>Shiraia</i> sp. SUPER-H168. <i>Annals of Microbiology</i> , 2015 , 65, 575-583	3.2	2
14	Use of Cottonseed Meal for Producing Eicosapentaenoic Acid by <i>Pythium irregulare</i> . <i>JAOCs, Journal of the American Oil Chemists Society</i> , 2015 , 92, 55-63	1.8	

13	Arachidonic acid production by <i>Mortierella alpina</i> using raw crop materials. <i>Acta Scientiarum Polonorum, Technologia Alimentaria</i> , 2015 , 14, 133-143	1	3
12	Purification and characterization of a new laccase from <i>Shiraia</i> sp. SUPER-H168. <i>Process Biochemistry</i> , 2013 , 48, 351-357	4.8	33
11	Induction of hypocrellin production by Triton X-100 under submerged fermentation with <i>Shiraia</i> sp. SUPER-H168. <i>New Biotechnology</i> , 2011 , 28, 588-92	6.4	34
10	The effect of a hypocrellin A enriched diet on egg yolk quality and hypocrellin A distributions in the meat of laying hens. <i>European Food Research and Technology</i> , 2011 , 232, 935-940	3.4	10
9	Preparation and characterization of the inclusion complex of hypocrellin A with hydroxypropyl- β -cyclodextrin. <i>European Food Research and Technology</i> , 2010 , 231, 781-788	3.4	18
8	Purification and characterization of novel manganese peroxidase from <i>Rhizoctonia</i> sp. SYBC-M3. <i>Biotechnology and Bioprocess Engineering</i> , 2010 , 15, 1016-1021	3.1	9
7	High-yield hypocrellin A production in solid-state fermentation by <i>Shiraia</i> sp. SUPER-H168. <i>Applied Biochemistry and Biotechnology</i> , 2010 , 160, 2275-86	3.2	26
6	Natural colourant from <i>Shiraia bambusicola</i> : stability and antimicrobial activity of hypocrellin extract. <i>International Journal of Food Science and Technology</i> , 2009 , 44, 2531-2537	3.8	9
5	Optimizing the codon usage of synthetic gene with QPSO algorithm. <i>Journal of Theoretical Biology</i> , 2008 , 254, 123-7	2.3	37
4	Production of 1,5-dihydroxy-3-methoxy-7-methylanthracene-9,10-dione by submerged culture of <i>Shiraia bambusicola</i> . <i>Journal of Microbiology and Biotechnology</i> , 2008 , 18, 322-7	3.3	8
3	Modified catalytic performance of <i>Lactobacillus fermentum</i> l-lactate dehydrogenase by rational design. <i>Systems Microbiology and Biomanufacturing</i> , 1		
2	Constitutive expression of tyrosine phenol-lyase from <i>Erwinia herbicola</i> in <i>Escherichia coli</i> for l-DOPA production. <i>Systems Microbiology and Biomanufacturing</i> , 1		0
1	Production, purification and activity evaluation of three novel antioxidant peptides obtained from grass carp (<i>Ctenopharyngodon idella</i>) scale waste by microbial protease BaApr1 hydrolysis. <i>Systems Microbiology and Biomanufacturing</i> , 1		1