Yujie Cai

List of Publications by Year in descending order

70 papers	1,108 citations	430442 18 h-index	476904 29 g-index
71 all docs	71 docs citations	71 times ranked	1149 citing authors

#	Article	IF	Citations
1	The effects of phytoremediation on soil bacterial communities in an abandoned mine site of rare earth elements. Science of the Total Environment, 2019, 670, 950-960.	3.9	72
2	CRISPR system in filamentous fungi: Current achievements and future directions. Gene, 2017, 627, 212-221.	1.0	65
3	Antifungal Activity of Isolated Bacillus amyloliquefaciens SYBC H47 for the Biocontrol of Peach Gummosis. PLoS ONE, 2016, 11, e0162125.	1.1	59
4	Genome editing in Shiraia bambusicola using CRISPR-Cas9 system. Journal of Biotechnology, 2017, 259, 228-234.	1.9	50
5	The rhizospheric microbial community structure and diversity of deciduous and evergreen forests in Taihu Lake area, China. PLoS ONE, 2017, 12, e0174411.	1.1	49
6	Optimizing the codon usage of synthetic gene with QPSO algorithm. Journal of Theoretical Biology, 2008, 254, 123-127.	0.8	48
7	Purification and characterization of a new laccase from Shiraia sp.SUPER-H168. Process Biochemistry, 2013, 48, 351-357.	1.8	48
8	Induction of hypocrellin production by Triton X-100 under submerged fermentation with Shiraia sp. SUPER-H168. New Biotechnology, 2011, 28, 588-592.	2.4	42
9	Isolation of Î²-1,3-Glucanase-Producing Microorganisms from Poria cocos Cultivation Soil via Molecular Biology. Molecules, 2018, 23, 1555.	1.7	30
10	High-Yield Hypocrellin A Production in Solid-State Fermentation by Shiraia sp. SUPER-H168. Applied Biochemistry and Biotechnology, 2010, 160, 2275-2286.	1.4	29
11	Efficient Synthesis of Hydroxytyrosol from <scp>l</scp>-3,4-Dihydroxyphenylalanine Using Engineered Escherichia coli Whole Cells. Journal of Agricultural and Food Chemistry, 2019, 67, 6867-6873.	2.4	29
12	Adaptive Responses to Oxidative Stress in the Filamentous Fungal Shiraia bambusicola. Molecules, 2016, 21, 1118.	1.7	28
13	Mimicking a New 2-Phenylethanol Production Pathway from Proteus mirabilis JN458 in Escherichia coli. Journal of Agricultural and Food Chemistry, 2018, 66, 3498-3504.	2.4	28
14	Characterization of a novel carboxylesterase from Bacillus velezensis SYBC H47 and its application in degradation of phthalate esters. Journal of Bioscience and Bioengineering, 2020, 129, 588-594.	1.1	28
15	An alkaline phosphatase fromBacillus amyloliquefaciensYP6 of new application in biodegradation of five broad-spectrum organophosphorus pesticides. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2019, 54, 336-343.	0.7	27
16	Expression and characterisation of feruloyl esterases from Lactobacillus fermentum JN248 and release of ferulic acid from wheat bran. International Journal of Biological Macromolecules, 2019, 138, 272-277.	3.6	24
17	Preparation and characterization of the inclusion complex of hypocrellin A with hydroxypropyl-Î²-cyclodextrin. European Food Research and Technology, 2010, 231, 781-788.	1.6	23
18	Characterization of a <scp>d</scp>â€Lactate Dehydrogenase from Lactobacillus fermentum JN248 with High Phenylpyruvate Reductive Activity. Journal of Food Science, 2017, 82, 2269-2275.	1.5	19

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19	Characterization of a major facilitator superfamily transporter in Shiraia bambusicola. Research in Microbiology, 2017, 168, 664-672.	1.0	18
20	Influences of light on growth, reproduction and hypocrellin production by Shiraia sp. SUPER-H168. Archives of Microbiology, 2018, 200, 1217-1225.	1.0	16
21	Evaluation of the Strain Bacillus amyloliquefaciens YP6 in Phoxim Degradation via Transcriptomic Data and Product Analysis. Molecules, 2019, 24, 3997.	1.7	16
22	The effect of a hypocrellin A enriched diet on egg yolk quality and hypocrellin A distributions in the meat of laying hens. European Food Research and Technology, 2011, 232, 935-940.	1.6	15
23	Biochemical characteristics of three feruloyl esterases with a broad substrate spectrum from Bacillus amyloliquefaciens H47. Process Biochemistry, 2017, 53, 109-115.	1.8	15
24	An efficient polyethylene glycol-mediated transformation system of lentiviral vector in Shiraia bambusicola. Process Biochemistry, 2016, 51, 1357-1362.	1.8	14
25	Reference genes selection and relative expression analysis from Shiraia sp. SUPER-H168 productive of hypocrellin. Gene, 2016, 580, 67-72.	1.0	14
26	One-pot, three-step cascade synthesis of D-danshensu using engineered Escherichia coli whole cells. Journal of Biotechnology, 2019, 300, 48-54.	1.9	14
27	Mining of alkaline proteases from Bacillus altitudinis W3 for desensitization of milk proteins: Their heterologous expression, purification, and characterization. International Journal of Biological Macromolecules, 2020, 153, 1220-1230.	3.6	14
28	Natural colourant from Shiraia bambusicola: stability and antimicrobial activity of hypocrellin extract. International Journal of Food Science and Technology, 2009, 44, 2531-2537.	1.3	13
29	Characterisation of a thiamine diphosphate-dependent alpha-keto acid decarboxylase from Proteus mirabilis JN458. Food Chemistry, 2017, 232, 19-24.	4.2	13
30	Purification and characterization of novel manganese peroxidase from Rhizoctonia sp. SYBC-M3. Biotechnology and Bioprocess Engineering, 2010, 15, 1016-1021.	1.4	12
31	Hydrogen Peroxide-Resistant CotA and YjqC of Bacillus altitudinis Spores Are a Promising Biocatalyst for Catalyzing Reduction of Sinapic Acid and Sinapine in Rapeseed Meal. PLoS ONE, 2016, 11, e0158351.	1.1	12
32	Production of rosmarinic acid with ATP and CoA double regenerating system. Enzyme and Microbial Technology, 2019, 131, 109392.	1.6	12
33	Characterisation of five alcohol dehydrogenases from Lactobacillus reuteri DSM20016. Process Biochemistry, 2019, 86, 73-79.	1.8	12
34	Biosynthesis of D-danshensu from L-DOPA using engineered Escherichia coli whole cells. Applied Microbiology and Biotechnology, 2019, 103, 6097-6105.	1.7	12
35	Advanced strategy for metabolite exploration in filamentous fungi. Critical Reviews in Biotechnology, 2020, 40, 180-198.	5.1	12
36	Biosynthesis of Putrescine from L-arginine Using Engineered Escherichia coli Whole Cells. Catalysts, 2020, 10, 947.	1.6	12

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37	Modular engineering of Shiraia bambusicola for hypocrellin production through an efficient CRISPR system. International Journal of Biological Macromolecules, 2020, 165, 796-803.	3.6	11
38	Improving the catalytic thermostability of Bacillus altitudinis W3 Ï‰-transaminase by proline substitutions. 3 Biotech, 2020, 10, 323.	1.1	11
39	Identification of a l-Lactate dehydrogenase with 3,4-dihydroxyphenylpyruvic reduction activity for l-Danshensu production. Process Biochemistry, 2018, 72, 119-123.	1.8	9
40	Production of 1,5-dihydroxy-3-methoxy-7-methylanthracene-9,10-dione by submerged culture of Shiraia bambusicola. Journal of Microbiology and Biotechnology, 2008, 18, 322-7.	0.9	9
41	Expression, purification, andÂcharacterization of a membrane-bound d-amino acid dehydrogenase from Proteus mirabilis JN458. Biotechnology Letters, 2017, 39, 1559-1566.	1.1	8
42	A novel feruloyl esterase with high rosmarinic acid hydrolysis activity from Bacillus pumilus W3. International Journal of Biological Macromolecules, 2020, 161, 525-530.	3.6	8
43	A novel type alanine dehydrogenase from Helicobacter aurati: Molecular characterization and application. International Journal of Biological Macromolecules, 2020, 161, 636-642.	3.6	8
44	Enhanced hypocrellin production of Shiraia sp. SUPER-H168 by overexpression of alpha-amylase gene. PLoS ONE, 2018, 13, e0196519.	1.1	7
45	Enhanced hypocrellin production via coexpression of alpha-amylase and hemoglobin genes in Shiraia bambusicola. AMB Express, 2018, 8, 71.	1.4	7
46	Redox self-sufficient biocatalyst system for conversion of 3,4-Dihydroxyphenyl-<scp>l</scp>-alanine into (R)- or (S)-3,4-Dihydroxyphenyllactic acid. Journal of Industrial Microbiology and Biotechnology, 2019, 46, 1081-1090.	1.4	7
47	Alcohol dehydrogenases from Proteus mirabilis contribute to alcoholic flavor. Journal of the Science of Food and Agriculture, 2019, 99, 4123-4128.	1.7	7
48	Unveiling the Multipath Biosynthesis Mechanism of 2-Phenylethanol in Proteus mirabilis. Journal of Agricultural and Food Chemistry, 2020, 68, 7684-7690.	2.4	7
49	Mining of aminotransferase gene ota3 from Bacillus pumilus W3 via genome analysis, gene cloning and expressing for compound bioamination. Gene, 2019, 686, 21-28.	1.0	6
50	Characterisation of a monooxygenase in Shiraia bambusicola. Microbiology (United Kingdom), 2018, 164, 1180-1188.	0.7	6
51	Reducing 3,4-dihydroxyphenylpyruvic acid to<scp>d</scp>-3,4-dihydroxyphenyllactic acid via a coenzyme nonspecific<scp>d</scp>-lactate dehydrogenase fromLactobacillus reuteri. Journal of Applied Microbiology, 2018, 125, 1739-1748.	1.4	5
52	Fe(III)-based immobilized metalâ€“affinity chromatography (IMAC) method for the separation of the catechol siderophore from Bacillus tequilensis CD36. 3 Biotech, 2018, 8, 392.	1.1	5
53	Effect of residue substitution via site-directed mutagenesis on activity and steroselectivity of transaminase BpTA from Bacillus pumilus W3 for sitafloxacin hydrate intermediate. International Journal of Biological Macromolecules, 2019, 137, 732-740.	3.6	5
54	Arachidonic acid production by Mortierella alpina using raw crop materials [pdf]. Acta Scientiarum Polonorum, Technologia Alimentaria, 2015, 14, 133-143.	0.2	5

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55	Fermentation optimization, cloning and sequence analysis of the laccase gene from Shiraia sp. SUPER-H168. Annals of Microbiology, 2015, 65, 575-583.	1.1	4
56	Purification, characterization and gene analysis of a new Î±-glucosidase from shiraia sp. SUPER-H168. Annals of Microbiology, 2017, 67, 65-77.	1.1	4
57	Comparison of aminotransferases of three Bacillus strains Bacillus altitudinis W3, Bacillus velezensis SYBC H47, and Bacillus amyloliquefaciens YP6 via genome analysis and bioinformatics. Journal of Applied Genetics, 2019, 60, 427-430.	1.0	3
58	A single point mutation engineering for changing the substrate specificity of d-lactate dehydrogenase from Lactobacillus fermentum. LWT - Food Science and Technology, 2021, 151, 112209.	2.5	3
59	Overexpression and biochemical characterization of a carboxyspermidine dehydrogenase from Agrobacterium fabrum str. <scp>C58</scp> and its application to carboxyspermidine production. Journal of the Science of Food and Agriculture, 2022, 102, 3858-3868.	1.7	3
60	Production, purification and activity evaluation of three novel antioxidant peptides obtained from grass carp (Ctenopharyngodon idella) scale waste by microbial protease BaApr1 hydrolysis. Systems Microbiology and Biomanufacturing, 2022, 2, 568-579.	1.5	3
61	Discovery of novel feruloyl esterase activity of BioH in Escherichia coli BL21(DE3). Biotechnology Letters, 2016, 38, 1009-1013.	1.1	2
62	Biosynthesis of phenylpyruvic acid from Lâ€phenylalanine using chromosomally engineered Escherichia coli. Biotechnology and Applied Biochemistry, 2021, , .	1.4	2
63	Characterization of a novel type homoserine dehydrogenase with high oxidation activity from Arthrobacter nicotinovorans. Process Biochemistry, 2022, 114, 102-110.	1.8	2
64	Characterization of a putative tropinone reductase from Tarenaya hassleriana with a broad substrate specificity. Biotechnology and Applied Biochemistry, 2022, 69, 2530-2539.	1.4	2
65	Structural and Functional Analysis of the Only Two Pyridoxal 5â€²-Phosphate-Dependent Fold Type IV Transaminases in Bacillus altitudinis W3. Catalysts, 2020, 10, 1308.	1.6	1
66	Identification of a novel glycerophosphodiester phosphodiesterase from Bacillus altitudinis W3 and its application in degradation of diphenyl phosphate. 3 Biotech, 2021, 11, 161.	1.1	1
67	Converting the 3â€quinuclidinone reductase from Agrobacterium tumefaciens into the ethyl 4â€chloroacetoacetate reductase by siteâ€directed mutagenesis. Biotechnology and Applied Biochemistry, 2022, 69, 1428-1437.	1.4	1
68	Constitutive expression of tyrosine phenol-lyase from Erwinia herbicola in Escherichia coli for l-DOPA production. Systems Microbiology and Biomanufacturing, 0, , 1.	1.5	1
69	Modified catalytic performance of Lactobacillus fermentum l-lactate dehydrogenase by rational design. Systems Microbiology and Biomanufacturing, 2022, 2, 473-486.	1.5	1
70	Use of Cottonseed Meal for Producing Eicosapentaenoic Acid by Pythium irregulare. JAOCS, Journal of the American Oil Chemists' Society, 2015, 92, 55-63.	0.8	0