Zheng-Hong Xu

List of Publications by Citations

195 papers	3,491 citations	32 h-index	47 g-index
214 ext. papers	4,632 ext. citations	5.3 avg, IF	5.5 L-index

#	Paper	IF	Citations
195	Nitrilases in nitrile biocatalysis: recent progress and forthcoming research. *Microbial Cell Factories*, **2012**, 11, 142	6.4	151
194	Niuchangchih (Antrodia camphorata) and its potential in treating liver diseases. *Journal of Ethnopharmacology*, **2009**, 121, 194-212	5	136
193	Polysaccharide of Hericium erinaceus attenuates colitis in C57BL/6 mice via regulation of oxidative stress, inflammation-related signaling pathways and modulating the composition of the gut microbiota. *Journal of Nutritional Biochemistry*, **2018**, 57, 67-76	6.3	87
192	Exploring flavour-producing core microbiota in multispecies solid-state fermentation of traditional Chinese vinegar. *Scientific Reports*, **2016**, 6, 26818	4.9	87
191	The rebalanced pathway significantly enhances acetoin production by disruption of acetoin reductase gene and moderate-expression of a new water-forming NADH oxidase in Bacillus subtilis. *Metabolic Engineering*, **2014**, 23, 34-41	9.7	81
190	Monitoring the microbial community during solid-state acetic acid fermentation of Zhenjiang aromatic vinegar. *Food Microbiology*, **2011**, 28, 1175-81	6	75
189	Bio-Heat Is a Key Environmental Driver Shaping the Microbial Community of Medium-Temperature Daqu. *Applied and Environmental Microbiology*, **2017**, 83,	4.8	71
188	Metagenomics reveals flavour metabolic network of cereal vinegar microbiota. *Food Microbiology*, **2017**, 62, 23-31	6	59
187	Bioactive Mushroom Polysaccharides: A Review on Monosaccharide Composition, Biosynthesis and Regulation. *Molecules*, **2017**, 22,	4.8	59
186	HS-SPME/GC-MS and chemometrics for volatile composition of Chinese traditional aromatic vinegar in the Zhenjiang region. *Journal of the Institute of Brewing*, **2012**, 118, 133-141	2	55
185	Mannan-oligosaccharide modulates the obesity and gut microbiota in high-fat diet-fed mice. *Food and Function*, **2018**, 9, 3916-3929	6.1	54
184	Metabolic engineering strategies for acetoin and 2,3-butanediol production: advances and prospects. *Critical Reviews in Biotechnology*, **2017**, 37, 990-1005	9.4	51
183	Prebiotic Mannan-Oligosaccharides Augment the Hypoglycemic Effects of Metformin in Correlation with Modulating Gut Microbiota. *Journal of Agricultural and Food Chemistry*, **2018**, 66, 5821-5831	5.7	50
182	Batch-to-batch uniformity of bacterial community succession and flavor formation in the fermentation of Zhenjiang aromatic vinegar. *Food Microbiology*, **2015**, 50, 64-9	6	49
181	In vitro and in vivo evaluation of donepezil-sustained release microparticles for the treatment of Alzheimer's disease. *Biomaterials*, **2007**, 28, 1882-8	15.6	49
180	A two-stage oxygen supply strategy for enhanced l-arginine production by Corynebacterium crenatum based on metabolic fluxes analysis. *Biochemical Engineering Journal*, **2009**, 43, 41-51	4.2	45
179	Purification and characterisation of a bifunctional alginate lyase from novel Isoptericola halotolerans CGMCC 5336. *Carbohydrate Polymers*, **2013**, 98, 1476-82	10.3	44

178	Isolation and identification of an acetoin high production bacterium that can reverse transform 2,3-butanediol to acetoin at the decline phase of fermentation. *World Journal of Microbiology and Biotechnology*, **2011**, 27, 2785-2790	4.4	44
177	Production of alkali-tolerant cellulase-free xylanase by Pseudomonas sp. WLUN024 with wheat bran as the main substrate. *World Journal of Microbiology and Biotechnology*, **2005**, 21, 575-581	4.4	44
176	Profiling the Clostridia with butyrate-producing potential in the mud of Chinese liquor fermentation cellar. *International Journal of Food Microbiology*, **2019**, 297, 41-50	5.8	40
175	Systems pathway engineering of Corynebacterium crenatum for improved L-arginine production. *Scientific Reports*, **2016**, 6, 28629	4.9	40
174	Efficient testosterone production by engineered Pichia pastoris co-expressing human 17β-hydroxysteroid dehydrogenase type 3 and Saccharomyces cerevisiae glucose 6-phosphate dehydrogenase with NADPH regeneration. *Green Chemistry*, **2016**, 18, 1774-1784	10	40
173	Nitrile-converting enzymes as a tool to improve biocatalysis in organic synthesis: recent insights and promises. *Critical Reviews in Biotechnology*, **2017**, 37, 69-81	9.4	39
172	Enhanced 2,3-butanediol production from biodiesel-derived glycerol by engineering of cofactor regeneration and manipulating carbon flux in Bacillus amyloliquefaciens. *Microbial Cell Factories*, **2015**, 14, 122	6.4	39
171	Fermentation of biodiesel-derived glycerol by Bacillus amyloliquefaciens: effects of co-substrates on 2,3-butanediol production. *Applied Microbiology and Biotechnology*, **2013**, 97, 7651-8	5.7	38
170	Efficient whole-cell biocatalyst for acetoin production with NAD+ regeneration system through homologous co-expression of 2,3-butanediol dehydrogenase and NADH oxidase in engineered Bacillus subtilis. *PLoS ONE*, **2014**, 9, e102951	3.7	37
169	Recovery of aroma compounds from Zhenjiang aromatic vinegar by supercritical fluid extraction. *International Journal of Food Science and Technology*, **2011**, 46, 1508-1514	3.8	37
168	Microbial ecology of cereal vinegar fermentation: insights for driving the ecosystem function. *Current Opinion in Biotechnology*, **2018**, 49, 88-93	11.4	36
167	Improvement of the intracellular environment for enhancing l-arginine production of Corynebacterium glutamicum by inactivation of HO-forming flavin reductases and optimization of ATP supply. *Metabolic Engineering*, **2016**, 38, 310-321	9.7	35
166	Biochemical characterization of a novel surfactant-stable serine keratinase with no collagenase activity from Brevibacillus parabrevis CGMCC 10798. *International Journal of Biological Macromolecules*, **2016**, 93, 843-851	7.9	34
165	Ligustrazine formation in Zhenjiang aromatic vinegar: changes during fermentation and storing process. *Journal of the Science of Food and Agriculture*, **2011**, 91, 1612-7	4.3	33
164	Integration of ARTP mutagenesis with biosensor-mediated high-throughput screening to improve L-serine yield in Corynebacterium glutamicum. *Applied Microbiology and Biotechnology*, **2018**, 102, 5939-5951	5.7	32
163	Moderate expression of the transcriptional regulator ALsR enhances acetoin production by Bacillus subtilis. *Journal of Industrial Microbiology and Biotechnology*, **2013**, 40, 1067-76	4.2	31
162	A novel alkaline surfactant-stable keratinase with superior feather-degrading potential based on library screening strategy. *International Journal of Biological Macromolecules*, **2017**, 95, 404-411	7.9	31
161	World data centre for microorganisms: an information infrastructure to explore and utilize preserved microbial strains worldwide. *Nucleic Acids Research*, **2017**, 45, D611-D618	20.1	31

160	L-Serine overproduction with minimization of by-product synthesis by engineered Corynebacterium glutamicum. *Applied Microbiology and Biotechnology*, **2015**, 99, 1665-73	5.7	31
159	Elucidating and Regulating the Acetoin Production Role of Microbial Functional Groups in Multispecies Acetic Acid Fermentation. *Applied and Environmental Microbiology*, **2016**, 82, 5860-8	4.8	30
158	Enhanced production of L-arginine by expression of Vitreoscilla hemoglobin using a novel expression system in Corynebacterium crenatum. *Applied Biochemistry and Biotechnology*, **2011**, 163, 707-19	3.2	30
157	Bioassay-guided fractionation of ethyl acetate extract from Armillaria mellea attenuates inflammatory response in lipopolysaccharide (LPS) stimulated BV-2 microglia. *Phytomedicine*, **2017**, 26, 55-61	6.5	28
156	Synthetic pathway optimization for improved 1,2,4-butanetriol production. *Journal of Industrial Microbiology and Biotechnology*, **2016**, 43, 67-78	4.2	28
155	Mutation breeding of acetoin high producing Bacillus subtilis blocked in 2,3-butanediol dehydrogenase. *World Journal of Microbiology and Biotechnology*, **2013**, 29, 1783-9	4.4	28
154	Significantly enhanced substrate tolerance of Pseudomonas putida nitrilase via atmospheric and room temperature plasma and cell immobilization. *Bioresource Technology*, **2017**, 244, 1104-1110	11	28
153	Heterologous and homologous expression of the arginine biosynthetic argC~H cluster from Corynebacterium crenatum for improvement of (L) -arginine production. *Journal of Industrial Microbiology and Biotechnology*, **2012**, 39, 495-502	4.2	27
152	Site-directed mutagenesis and feedback-resistant N-acetyl-L-glutamate kinase (NAGK) increase Corynebacterium crenatum L-arginine production. *Amino Acids*, **2012**, 43, 255-66	3.5	26
151	Optimization of fermentation medium for triterpenoid production from Antrodia camphorata ATCC 200183 using artificial intelligence-based techniques. *Applied Microbiology and Biotechnology*, **2011**, 92, 371-9	5.7	26
150	Enhanced Production of Androst-1,4-Diene-3,17-Dione by Mycobacterium neoaurum JC-12 Using Three-Stage Fermentation Strategy. *PLoS ONE*, **2015**, 10, e0137658	3.7	26
149	Engineering Corynebacterium glutamicum for the de novo biosynthesis of tailored poly-□glutamic acid. *Metabolic Engineering*, **2019**, 56, 39-49	9.7	25
148	Biochemical characterization of an extreme alkaline and surfactant-stable keratinase derived from a newly isolated actinomycete Streptomyces aureofaciens K13. *RSC Advances*, **2015**, 5, 24691-24699	3.7	25
147	Two-stage pH control strategy based on the pH preference of acetoin reductase regulates acetoin and 2,3-butanediol distribution in Bacillus subtilis. *PLoS ONE*, **2014**, 9, e91187	3.7	25
146	Effects of culture conditions on monosaccharide composition of Ganoderma lucidum exopolysaccharide and on activities of related enzymes. *Carbohydrate Polymers*, **2015**, 133, 104-9	10.3	24
145	Metabolic engineering of Bacillus subtilis for redistributing the carbon flux to 2,3-butanediol by manipulating NADH levels. *Biotechnology for Biofuels*, **2015**, 8, 129	7.8	24
144	Effects of corn steep liquor on production of 2,3-butanediol and acetoin by Bacillus subtilis. *Process Biochemistry*, **2013**, 48, 1610-1617	4.8	24
143	Analysis of volatile compounds of Antrodia camphorata in submerged culture using headspace solid-phase microextraction. *Food Chemistry*, **2011**, 127, 662-8	8.5	24

142	Effect of Polyhydroxybutyrate (PHB) storage on L-arginine production in recombinant Corynebacterium crenatum using coenzyme regulation. *Microbial Cell Factories*, **2016**, 15, 15	6.4	23
141	A metallo-keratinase from a newly isolated Acinetobacter sp. R-1 with low collagenase activity and its biotechnological application potential in leather industry. *Bioprocess and Biosystems Engineering*, **2016**, 39, 193-204	3.7	22
140	Efficient one-step preparation of □aminobutyric acid from glucose without an exogenous cofactor by the designed Corynebacterium glutamicum. *Green Chemistry*, **2014**, 16, 4190-4197	10	22
139	Preparation and partial structural characterization of the exopolysaccharide from Bacillus mucilaginosus SM-01. *Carbohydrate Polymers*, **2016**, 146, 217-23	10.3	20
138	A mutant form of 3-ketosteroid-□(1)-dehydrogenase gives altered androst-1,4-diene-3, 17-dione/androst-4-ene-3,17-dione molar ratios in steroid biotransformations by Mycobacterium neoaurum ST-095. *Journal of Industrial Microbiology and Biotechnology*, **2016**, 43, 691-701	4.2	20
137	Improvement of L-arginine production by overexpression of a bifunctional ornithine acetyltransferase in Corynebacterium crenatum. *Applied Biochemistry and Biotechnology*, **2011**, 165, 845-55	3.2	20
136	Combining Pro-peptide Engineering and Multisite Saturation Mutagenesis To Improve the Catalytic Potential of Keratinase. *ACS Synthetic Biology*, **2019**, 8, 425-433	5.7	19
135	Efficient keratinase expression via promoter engineering strategies for degradation of feather wastes. *Enzyme and Microbial Technology*, **2020**, 137, 109550	3.8	19
134	Fabrication and characterization of high molecular keratin based nanofibrous membranes for wound healing. *Colloids and Surfaces B: Biointerfaces*, **2020**, 194, 111158	6	17
133	Mining and Expression of a Metagenome-Derived Keratinase Responsible for Biosynthesis of Silver Nanoparticles. *ACS Biomaterials Science and Engineering*, **2018**, 4, 1307-1315	5.5	17
132	Polysaccharide peptides from Coriolus versicolor: A multi-targeted approach for the protection or prevention of alcoholic liver disease. *Journal of Functional Foods*, **2018**, 40, 769-777	5.1	17
131	Improving the acidic stability of a □mannanase from Bacillus subtilis by site-directed mutagenesis. *Process Biochemistry*, **2013**, 48, 1166-1173	4.8	17
130	Characterization and functional cloning of an aromatic nitrilase from Pseudomonas putida CGMCC3830 with high conversion efficiency toward cyanopyridine. *Journal of Molecular Catalysis B: Enzymatic*, **2013**, 97, 175-183		17
129	Fungal His-tagged nitrilase from Gibberella intermedia: gene cloning, heterologous expression and biochemical properties. *PLoS ONE*, **2012**, 7, e50622	3.7	17
128	Anti-Inflammatory Effects of Ethanol Extract of Lion's Mane Medicinal Mushroom, Hericium erinaceus (Agaricomycetes), in Mice with Ulcerative Colitis. *International Journal of Medicinal Mushrooms*, **2016**, 18, 227-34	1.3	17
127	A Bottom-Up Approach To Develop a Synthetic Microbial Community Model: Application for Efficient Reduced-Salt Broad Bean Paste Fermentation. *Applied and Environmental Microbiology*, **2020**, 86,	4.8	17
126	Purification and characterization of a high salt-tolerant alginate lyase from Cobetia sp. WG-007. *Biotechnology and Applied Biochemistry*, **2017**, 64, 519-524	2.8	16
125	Efficient production of bioactive metabolites from Antrodia camphorata ATCC 200183 by asexual reproduction-based repeated batch fermentation. *Bioresource Technology*, **2015**, 194, 334-43	11	16

124	Efficient biocatalytic synthesis of nicotinic acid by recombinant nitrilase via high density culture. *Bioresource Technology*, **2018**, 260, 427-431	11	16
123	Zooming in on Butyrate-Producing Clostridial Consortia in the Fermented Grains of Gene Sequence-Guided Microbial Isolation. *Frontiers in Microbiology*, **2019**, 10, 1397	5.7	16
122	Economic conversion of spirit-based distillers grain to 2,3-butanediol by Bacillus amyloliquefaciens. *Process Biochemistry*, **2015**, 50, 20-23	4.8	16
121	Metagenomics unveils microbial roles involved in metabolic network of flavor development in medium-temperature daqu starter. *Food Research International*, **2021**, 140, 110037	7	16
120	Microbial Production of l-Serine from Renewable Feedstocks. *Trends in Biotechnology*, **2018**, 36, 700-712	15.1	15
119	Structural characterization and anti-alcoholic liver injury activity of a polysaccharide from Coriolus versicolor mycelia. *International Journal of Biological Macromolecules*, **2019**, 137, 1102-1111	7.9	15
118	Site-directed mutagenesis studies on the L-arginine-binding sites of feedback inhibition in N-acetyl-L-glutamate kinase (NAGK) from Corynebacterium glutamicum. *Current Microbiology*, **2012**, 64, 164-72	2.4	15
117	Cooperation within the microbial consortia of fermented grains and pit mud drives organic acid synthesis in strong-flavor Baijiu production. *Food Research International*, **2021**, 147, 110449	7	15
116	Improvement of the ammonia assimilation for enhancing L-arginine production of Corynebacterium crenatum. *Journal of Industrial Microbiology and Biotechnology*, **2017**, 44, 443-451	4.2	14
115	Efficient hydroxylation of functionalized steroids by Colletotrichum lini ST-1. *Journal of Molecular Catalysis B: Enzymatic*, **2015**, 120, 111-118		14
114	Depolymerized konjac glucomannan: preparation and application in health care. *Journal of Zhejiang University: Science B*, **2018**, 19, 505-514	4.5	14
113	The role of ARGR repressor regulation on L-arginine production in Corynebacterium crenatum. *Applied Biochemistry and Biotechnology*, **2013**, 170, 587-97	3.2	14
112	Screening and characterization of a highly active chitosanase based on metagenomic technology. *Journal of Molecular Catalysis B: Enzymatic*, **2015**, 111, 29-35		14
111	Bioconversion of cholesterol to 4-cholesten-3-one by recombinant Bacillus subtilis expressing choM gene encoding cholesterol oxidase from Mycobacterium neoaurum JC-12. *Journal of Chemical Technology and Biotechnology*, **2015**, 90, 1811-1820	3.5	13
110	Effect of cofactor folate on the growth of Corynebacterium glutamicum SYPS-062 and L-serine accumulation. *Applied Biochemistry and Biotechnology*, **2014**, 173, 1607-17	3.2	13
109	Improvement of NADPH-dependent P450-mediated biotransformation of 7β,15β-diOH-DHEA from DHEA by a dual cosubstrate-coupled system. *Steroids*, **2015**, 101, 15-20	2.8	13
108	Reconstruction and Analysis of a Genome-Scale Metabolic Model of for Improved Extracellular Polysaccharide Production. *Frontiers in Microbiology*, **2018**, 9, 3076	5.7	13
107	Edgeworthia gardneri (Wall.) Meisn. water extract improves diabetes and modulates gut microbiota. *Journal of Ethnopharmacology*, **2019**, 239, 111854	5	12

106	The effect of a LYSE exporter overexpression on L-arginine production in Corynebacterium crenatum. *Current Microbiology*, **2013**, 67, 271-8	2.4	12
105	Enhanced production of l-serine by deleting sdaA combined with modifying and overexpressing serA in a mutant of Corynebacterium glutamicum SYPS-062 from sucrose. *Biochemical Engineering Journal*, **2015**, 103, 60-67	4.2	12
104	Anti-inflammatory activity of mycelial extracts from medicinal mushrooms. *International Journal of Medicinal Mushrooms*, **2014**, 16, 319-25	1.3	12
103	Modulating microbiota metabolism via bioaugmentation with Lactobacillus casei and Acetobacter pasteurianus to enhance acetoin accumulation during cereal vinegar fermentation. *Food Research International*, **2020**, 138, 109737	7	12
102	Effects of mixed carbon sources on galactose and mannose content of exopolysaccharides and related enzyme activities in Ganoderma lucidum. *RSC Advances*, **2016**, 6, 39284-39291	3.7	12
101	Rewiring the Central Metabolic Pathway for High-Yield l-Serine Production in Corynebacterium glutamicum by Using Glucose. *Biotechnology Journal*, **2019**, 14, e1800497	5.6	12
100	Reengineering of the feedback-inhibition enzyme N-acetyl-L-glutamate kinase to enhance L-arginine production in Corynebacterium crenatum. *Journal of Industrial Microbiology and Biotechnology*, **2017**, 44, 271-283	4.2	11
99	pDHS-ELM: computational predictor for plant DNase I hypersensitive sites based on extreme learning machines. *Molecular Genetics and Genomics*, **2018**, 293, 1035-1049	3.1	11
98	Improved L-ornithine production in Corynebacterium crenatum by introducing an artificial linear transacetylation pathway. *Journal of Industrial Microbiology and Biotechnology*, **2018**, 45, 393-404	4.2	11
97	Production and characterization of surfactant-stable fungal keratinase from Gibberella intermedia CA3-1 with application potential in detergent industry. *Chemical Papers*, **2016**, 70,	1.9	11
96	Engineering of a fungal nitrilase for improving catalytic activity and reducing by-product formation in the absence of structural information. *Catalysis Science and Technology*, **2016**, 6, 4134-4141	5.5	11
95	The alginate lyase from Isoptericola halotolerans CGMCC 5336 as a new tool for the production of alginate oligosaccharides with guluronic acid as reducing end. *Carbohydrate Research*, **2018**, 470, 36-41	2.9	11
94	Asymmetric reduction of 4-hydroxy-2-butanone to (R)-1,3-butanediol with absolute stereochemical selectivity by a newly isolated strain of Pichia jadinii. *Journal of Industrial Microbiology and Biotechnology*, **2014**, 41, 1743-52	4.2	11
93	Enhanced biotransformation of dehydroepiandrosterone to 3β,7β,15α-trihydroxy-5-androsten-17-one with Gibberella intermedia CA3-1 by natural oils addition. *Journal of Industrial Microbiology and Biotechnology*, **2014**, 41, 1497-504	4.2	11
92	Antrodia camphorata ATCC 200183 sporulates asexually in submerged culture. *Applied Microbiology and Biotechnology*, **2013**, 97, 2851-8	5.7	11
91	Mining the Factors Driving the Evolution of the Pit Mud Microbiome under the Impact of Long-Term Production of Strong-Flavor Baijiu. *Applied and Environmental Microbiology*, **2021**, 87, e0088521	4.8	11
90	Enzymatic Extraction of Bioactive and Self-Assembling Wool Keratin for Biomedical Applications. *Macromolecular Bioscience*, **2020**, 20, e2000073	5.5	10
89	The tale of a versatile enzyme: Molecular insights into keratinase for its industrial dissemination. *Biotechnology Advances*, **2020**, 45, 107655	17.8	10

88	Deciphering the d-/l-lactate-producing microbiota and manipulating their accumulation during solid-state fermentation of cereal vinegar. *Food Microbiology*, **2020**, 92, 103559	6	9
87	Prediction of DNase I hypersensitive sites in plant genome using multiple modes of pseudo components. *Analytical Biochemistry*, **2018**, 549, 149-156	3.1	9
86	Controlling the transcription levels of argGH redistributed L-arginine metabolic flux in N-acetylglutamate kinase and ArgR-deregulated Corynebacterium crenatum. *Journal of Industrial Microbiology and Biotechnology*, **2016**, 43, 55-66	4.2	9
85	Purification, characterization and gene identification of a membrane-bound glucose dehydrogenase from 2-keto-d-gluconic acid industrial producing strain Pseudomonas plecoglossicida JUIM01. *International Journal of Biological Macromolecules*, **2018**, 118, 534-541	7.9	9
84	Kinetic Study of Humic Acid Ozonation in Aqueous Media. *Clean - Soil, Air, Water*, **2008**, 36, 893-899	1.6	9
83	Synergism of Recombinant Podospora anserinaPaAA9B with Cellulases Containing AA9s Can Boost the Enzymatic Hydrolysis of Cellulosic Substrates. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 11986-11993	8.3	9
82	Lactobacillus jinshani sp. nov., isolated from solid-state vinegar culture of Zhenjiang aromatic vinegar. *Antonie Van Leeuwenhoek*, **2020**, 113, 43-54	2.1	9
81	Enhanced intracellular soluble production of 3-ketosteroid-Δ1-dehydrogenase from Mycobacterium neoaurum in Escherichia coli and its application in the androst-1,4-diene-3,17-dione production. *Journal of Chemical Technology and Biotechnology*, **2017**, 92, 350-357	3.5	8
80	Enhancement of fructose utilization from sucrose in the cell for improved l-serine production in engineered Corynebacterium glutamicum. *Biochemical Engineering Journal*, **2017**, 118, 113-122	4.2	8
79	Phospholipase D engineering for improving the biocatalytic synthesis of phosphatidylserine. *Bioprocess and Biosystems Engineering*, **2019**, 42, 1185-1194	3.7	8
78	Bench-scale biosynthesis of isonicotinic acid from 4-cyanopyridine by Pseudomonas putida. *Chemical Papers*, **2014**, 68,	1.9	8
77	The efficient production of 3β,7β,15α-trihydroxy-5-androsten-17-one from dehydroepiandrosterone by Gibberella intermedia. *Applied Biochemistry and Biotechnology*, **2014**, 174, 2960-71	3.2	8
76	Treatment of praziquantel wastewater using the integrated process of coagulation and gas membrane absorption. *Water Research*, **2005**, 39, 2189-95	12.5	8
75	Clostridium fermenticellae sp. nov., isolated from the mud in a fermentation cellar for the production of the Chinese liquor, baijiu. *International Journal of Systematic and Evolutionary Microbiology*, **2019**, 69, 859-865	2.2	8
74	Identification of steroid C27 monooxygenase isoenzymes involved in sterol catabolism and stepwise pathway engineering of Mycobacterium neoaurum for improved androst-1,4-diene-3,17-dione production. *Journal of Industrial Microbiology and Biotechnology*, **2019**, 46, 635-647	4.2	8
73	Effects of pyruvate kinase on the growth of Corynebacterium glutamicum and L-serine accumulation. *Process Biochemistry*, **2017**, 55, 32-40	4.8	7
72	A surfactant-stable Bacillus pumilus K9 keratinase and its potential application in detergent industry. *Chemical Research in Chinese Universities*, **2015**, 31, 91-97	2.2	7
71	Characterization, modification, and overexpression of 3-phosphoglycerate dehydrogenase in Corynebacterium glutamicum for enhancing l-serine production. *Annals of Microbiology*, **2015**, 65, 929-935	3.2	7

70	Enhanced 3β,7β,15α-Trihydroxy-5-Androsten-17-One Production from Dehydroepiandrosterone by Colletotrichum lini ST-1 Resting Cells with Tween-80. *Applied Biochemistry and Biotechnology*, **2016**, 178, 91-100	3.2	7
69	Modified arthroconidial inoculation method for the efficient fermentation of Antrodia camphorata ATCC 200183. *Biochemical Engineering Journal*, **2014**, 87, 41-49	4.2	7
68	Identification of age-markers based on profiling of Baijiu volatiles over a two-year maturation period: Case study of Lu-flavor Baijiu. *LWT - Food Science and Technology*, **2021**, 141, 110913	5.4	7
67	Daqu microbiota exhibits species-specific and periodic succession features in Chinese baijiu fermentation process. *Food Microbiology*, **2021**, 98, 103766	6	7
66	Semirational Engineering Accelerates the Laboratory Evolution of Nitrilase Catalytic Efficiency for Nicotinic Acid Biosynthesis. *ChemCatChem*, **2017**, 9, 3395-3401	5.2	6
65	A Membrane-Bound Gluconate Dehydrogenase from 2-Keto-D-Gluconic Acid Industrial Producing Strain Pseudomonas plecoglossicida JUIM01: Purification, Characterization, and Gene Identification. *Applied Biochemistry and Biotechnology*, **2019**, 188, 897-913	3.2	6
64	Two-Stage Semi-Continuous 2-Keto-Gluconic Acid (2KGA) Production by JUIM01 From Rice Starch Hydrolyzate. *Frontiers in Bioengineering and Biotechnology*, **2020**, 8, 120	5.8	6
63	PII Signal Transduction Protein GlnK Alleviates Feedback Inhibition of -Acetyl-l-Glutamate Kinase by l-Arginine in Corynebacterium glutamicum. *Applied and Environmental Microbiology*, **2020**, 86,	4.8	6
62	Comparative Transcriptomic and Proteomic Analyses Reveal a FluG-Mediated Signaling Pathway Relating to Asexual Sporulation of Antrodia camphorata. *Proteomics*, **2017**, 17, 1700256	4.8	6
61	MicroRNA29a Reverts the Activated Hepatic Stellate Cells in the Regression of Hepatic Fibrosis through Regulation of ATPase H+ Transporting V1 Subunit C1. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	6
60	Enhancement of L-arginine production by increasing ammonium uptake in an AmtR-deficient Corynebacterium crenatum mutant. *Journal of Industrial Microbiology and Biotechnology*, **2019**, 46, 1155-1166	4.2	5
59	Recombinant expression and molecular engineering of the keratinase from Brevibacillus parabrevis for dehairing performance. *Journal of Biotechnology*, **2020**, 320, 57-65	3.7	5
58	Production of 7β,15α-diOH-DHEA from dehydroepiandrosterone by Colletotrichum lini ST-1 through integrating glucose-feeding with multi-step substrate addition strategy. *Bioprocess and Biosystems Engineering*, **2016**, 39, 1259-66	3.7	5
57	Effects of a nonionic surfactant TX-40 on 9α-hydroxyandrost-4-ene-3,17-dione biosynthesis and physiological properties of Mycobacterium sp. LY-1. *Process Biochemistry*, **2019**, 87, 89-94	4.8	5
56	Targeting Follistatin like 1 ameliorates liver fibrosis induced by carbon tetrachloride through TGF-β1-miR29a in mice. *Cell Communication and Signaling*, **2020**, 18, 151	7.5	5
55	Influence of Short-Term Consumption of on Serum Biochemical Markers and the Changes of the Gut Microbiota: A Pilot Study. *Nutrients*, **2021**, 13,	6.7	5
54	Versatile strategies for bioproduction of hyaluronic acid driven by synthetic biology. *Carbohydrate Polymers*, **2021**, 264, 118015	10.3	5
53	Genome shuffling of Colletotrichum lini for improving 3β,7β,15α-trihydroxy-5-androsten-17-one production from dehydroepiandrosterone. *Journal of Industrial Microbiology and Biotechnology*, **2017**, 44, 937-947	4.2	4

52	High-yield production of L-serine through a novel identified exporter combined with synthetic pathway in Corynebacterium glutamicum. *Microbial Cell Factories*, **2020**, 19, 115	6.4	4
51	A Novel 2-Keto-D-Gluconic Acid High-Producing Strain Arthrobacter globiformis JUIM02. *Applied Biochemistry and Biotechnology*, **2018**, 185, 947-957	3.2	4
50	Screening and isolation for anti-hepatofibrotic components from medicinal mushrooms using TGF-(1-induced live fibrosis in hepatic stellate cells. *International Journal of Medicinal Mushrooms*, **2014**, 16, 529-39	1.3	4
49	Komagataeibacter europaeus improves community stability and function in solid-state cereal vinegar fermentation ecosystem: Non-abundant species plays important role. *Food Research International*, **2021**, 150, 110815	7	4
48	Biotransformation of DHEA into 7,15-diOH-DHEA. *Methods in Molecular Biology*, **2017**, 1645, 289-295	1.4	4
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