Zheng-Hong Xu

List of Publications by Year in Descending Order

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	Combined effects of fermentation starters and environmental factors on the microbial community assembly and flavor formation of Zhenjiang aromatic vinegar.. *Food Research International*, **2022**, 152, 110900	7	0
194	Improving glutathione production by engineered Pichia pastoris: strain construction and optimal precursor feeding.. *Applied Microbiology and Biotechnology*, **2022**, 106, 1905	5.7	1
193	Preparation and applications of keratin biomaterials from natural keratin wastes.. *Applied Microbiology and Biotechnology*, **2022**, 106, 2349	5.7	0
192	Identification of a fungal cytochrome P450 with steroid two-step ordered selective hydroxylation characteristics in Colletotrichum lini.. *Journal of Steroid Biochemistry and Molecular Biology*, **2022**, 106096	5.1	1
191	Comparative Genomics Unveils the Habitat Adaptation and Metabolic Profiles of in an Artificial Ecosystem for Liquor Production.. *MSystems*, **2022**, e0029722	7.6	1
190	Spatial heterogeneity of the microbiome and metabolome profiles of high-temperature Daqu in the same workshop. *Food Research International*, **2022**, 156, 111298	7	1
189	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
188	Improving the Intensity of Integrated Expression for Microbial Production. *ACS Synthetic Biology*, **2021**, 10, 2796-2807	5.7	1
187	A combination of bioinformatics analysis and rational design strategies to enhance keratinase thermostability for efficient biodegradation of feathers. *Science of the Total Environment*, **2021**, 151824	10.2	1
186	Constructing a Defined Starter for Multispecies Vinegar Fermentation via Evaluating the Vitality and Dominance of Functional Microbes in Autochthonous Starter. *Applied and Environmental Microbiology*, **2021**, AEM0217521	4.8	1
185	Constructing a bacterial cellulose-based bacterial sensor platform by enhancing cell affinity via a surface-exposed carbohydrate binding module. *Green Chemistry*, **2021**, 23, 9600-9609	10	0
184	Chitooligosaccharides alleviate hepatic fibrosis by regulating the polarization of M1 and M2 macrophages.. *Food and Function*, **2021**,	6.1	1
183	Cereal Vinegar Sediment Alleviates Spontaneous Ulcerative Colitis in Il-10 Deficient Mice. *Molecular Nutrition and Food Research*, **2021**, e2001227	5.9	2
182	Fine-Tuning Multi-Gene Clusters via Well-Characterized Gene Expression Regulatory Elements: Case Study of the Arginine Synthesis Pathway in. *ACS Synthetic Biology*, **2021**, 10, 38-48	5.7	4
181	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
180	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
179	Enhanced production of L-arginine by improving carbamoyl phosphate supply in metabolically engineered Corynebacterium crenatum. *Applied Microbiology and Biotechnology*, **2021**, 105, 3265-3276	5.7	1

178	Phospholipids (PLs) know-how: exploring and exploiting phospholipase D for its industrial dissemination. *Critical Reviews in Biotechnology*, **2021**, 41, 1257-1278	9.4	1
177	Versatile strategies for bioproduction of hyaluronic acid driven by synthetic biology. *Carbohydrate Polymers*, **2021**, 264, 118015	10.3	5
176	Identification of bottlenecks in 4-androstene-3,17-dione/1,4-androstadiene-3,17-dione synthesis by Mycobacterium neoaurum JC-12 through comparative proteomics. *Journal of Bioscience and Bioengineering*, **2021**, 131, 264-270	3.3	4
175	Significant improvement in conversion efficiency of isonicotinic acid by immobilization of cells via a novel microsphere preparation instrument. *Bioresource Technology*, **2021**, 320, 124307	11	2
174	Impact of ethylene glycol on DHEA dihydroxylation in Colletotrichum lini: Increasing the expression of cytochrome P450 and 6-phosphogluconate dehydrogenase and enhancing the generation of NADPH. *Biochemical Engineering Journal*, **2021**, 166, 107860	4.2	0
173	Metagenomics unveils microbial roles involved in metabolic network of flavor development in medium-temperature daqu starter. *Food Research International*, **2021**, 140, 110037	7	16
172	Characterization of a transcriptional regulator PtxS from Pseudomonas plecoglossicida for regulating 2-ketogluconic acid metabolism. *International Journal of Biological Macromolecules*, **2021**, 174, 330-338	7.9	
171	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
170	Daqu microbiota exhibits species-specific and periodic succession features in Chinese baijiu fermentation process. *Food Microbiology*, **2021**, 98, 103766	6	7
169	Similarities and differences of oligo/poly-saccharides' impact on human fecal microbiota identified by in vitro fermentation. *Applied Microbiology and Biotechnology*, **2021**, 105, 7475-7486	5.7	2
168	Development of a defined autochthonous starter through dissecting the seasonal microbiome of broad bean paste. *Food Chemistry*, **2021**, 357, 129625	8.5	4
167	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
166	Metabolic potential of microbial community and distribution mechanism of Staphylococcus species during broad bean paste fermentation. *Food Research International*, **2021**, 148, 110533	7	3
165	Heterologous expression, fermentation strategies and molecular modification of collagen for versatile applications.. *Critical Reviews in Food Science and Nutrition*, **2021**, 1-22	11.5	0
164	Hepatoprotective Effect of Cereal Vinegar Sediment in Acute Liver Injury Mice and Its Influence on Gut Microbiota.. *Frontiers in Nutrition*, **2021**, 8, 798273	6.2	0
163	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
162	Fabrication and characterization of high molecular keratin based nanofibrous membranes for wound healing. *Colloids and Surfaces B: Biointerfaces*, **2020**, 194, 111158	6	17
161	Optimization of l-arginine purification from Corynebacterium crenatum fermentation broth. *Journal of Separation Science*, **2020**, 43, 2936-2948	3.4	2

160	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
159	Recombinant expression and molecular engineering of the keratinase from Brevibacillus parabrevis for dehairing performance. *Journal of Biotechnology*, **2020**, 320, 57-65	3.7	5
158	iTRAQ-based quantitative proteomic analysis of Colletotrichum lini reveals ethanol induced mechanism for enhancing dihydroxylation efficiency of DHEA. *Journal of Proteomics*, **2020**, 224, 103851	3.9	3
157	Evaluating Terminator Strength Based on Differentiating Effects on Transcription and Translation. *ChemBioChem*, **2020**, 21, 2067-2072	3.8	1
156	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
155	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
154	A 2-ketogluconate kinase KguK in Pseudomonas plecoglossicida JUIM01: Enzymatic characterization and its role in 2-keto-d-gluconic acid metabolism. *International Journal of Biological Macromolecules*, **2020**, 165, 2640-2648	7.9	1
153	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
152	Enzymatic Extraction of Bioactive and Self-Assembling Wool Keratin for Biomedical Applications. *Macromolecular Bioscience*, **2020**, 20, e2000073	5.5	10
151	Improving the biocatalytic performance of co-immobilized cells harboring nitrilase via addition of silica and calcium carbonate. *Bioprocess and Biosystems Engineering*, **2020**, 43, 2201-2207	3.7	3
150	The tale of a versatile enzyme: Molecular insights into keratinase for its industrial dissemination. *Biotechnology Advances*, **2020**, 45, 107655	17.8	10
149	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
148	Targeting Follistatin like 1 ameliorates liver fibrosis induced by carbon tetrachloride through TGF-□1-miR29a in mice. *Cell Communication and Signaling*, **2020**, 18, 151	7.5	5
147	Protective Effect of Spore Powder of ATCC 200183 on CCl-Induced Liver Fibrosis in Mice. *Nutrients*, **2020**, 12,	6.7	3
146	Lactobacillus jinshani sp. nov., isolated from solid-state vinegar culture of Zhenjiang aromatic vinegar. *Antonie Van Leeuwenhoek*, **2020**, 113, 43-54	2.1	9
145	Efficient keratinase expression via promoter engineering strategies for degradation of feather wastes. *Enzyme and Microbial Technology*, **2020**, 137, 109550	3.8	19
144	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
143	Engineering Corynebacterium glutamicum for the de novo biosynthesis of tailored poly-□glutamic acid. *Metabolic Engineering*, **2019**, 56, 39-49	9.7	25

142	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
141	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
140	Phospholipase D engineering for improving the biocatalytic synthesis of phosphatidylserine. *Bioprocess and Biosystems Engineering*, **2019**, 42, 1185-1194	3.7	8
139	Comparative proteomic analysis revealed the metabolic mechanism of excessive exopolysaccharide synthesis by under CaCO addition. *Preparative Biochemistry and Biotechnology*, **2019**, 49, 435-443	2.4	1
138	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
137	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
136	Edgeworthia gardneri (Wall.) Meisn. water extract improves diabetes and modulates gut microbiota. *Journal of Ethnopharmacology*, **2019**, 239, 111854	5	12
135	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
134	Promotion of Metabolite Synthesis in , a Dominant Species in the Cicada Flower Microbiota, by Cicada Pupae. *Journal of Agricultural and Food Chemistry*, **2019**, 67, 8476-8484	5.7	3
133	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
132	Effects of a nonionic surfactant TX-40 on 9-hydroxyandrost-4-ene-3,17-dione biosynthesis and physiological properties of Mycobacterium sp. LY-1. *Process Biochemistry*, **2019**, 87, 89-94	4.8	5
131	Therapeutic Effect and Potential Mechanisms of Lion's Mane Medicinal Mushroom, Hericium erinaceus (Agaricomycetes), Mycelia in Submerged Culture on Ethanol-Induced Chronic Gastric Injury. *International Journal of Medicinal Mushrooms*, **2019**, 21, 1137-1150	1.3	
130	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
129	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
128	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
127	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**	4.2	8
126	Enhancing Expression of 3-Ketosteroid-9-Hydroxylase Oxygenase, an Enzyme with Broad Substrate Range and High Hydroxylation Ability, in Mycobacterium sp. LY-1. *Applied Biochemistry and Biotechnology*, **2019**, 187, 1238-1254	3.2	3
125	High-yield production of L-serine from glycerol by engineered Escherichia coli. *Journal of Industrial Microbiology and Biotechnology*, **2019**, 46, 221-230	4.2	4

124	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
123	Microbial Production of l-Serine from Renewable Feedstocks. *Trends in Biotechnology*, **2018**, 36, 700-712	15.1	15
122	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
121	Efficient biocatalytic synthesis of nicotinic acid by recombinant nitrilase via high density culture. *Bioresource Technology*, **2018**, 260, 427-431	11	16
120	Prediction of DNase I hypersensitive sites in plant genome using multiple modes of pseudo components. *Analytical Biochemistry*, **2018**, 549, 149-156	3.1	9
119	A Novel 2-Keto-D-Gluconic Acid High-Producing Strain Arthrobacter globiformis JUIM02. *Applied Biochemistry and Biotechnology*, **2018**, 185, 947-957	3.2	4
118	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
117	Microemulsion system for Colletotrichum lini ST-1 biotransformation of dehydroepiandrosterone to 7β,15α-diOH-DHEA. *Biochemical Engineering Journal*, **2018**, 131, 77-83	4.2	3
116	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
115	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
114	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
113	Microbial ecology of cereal vinegar fermentation: insights for driving the ecosystem function. *Current Opinion in Biotechnology*, **2018**, 49, 88-93	11.4	36
112	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
111	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
110	Depolymerized konjac glucomannan: preparation and application in health care. *Journal of Zhejiang University: Science B*, **2018**, 19, 505-514	4.5	14
109	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
108	Investigation of specific interactions between T7 promoter and T7 RNA polymerase by force spectroscopy using atomic force microscope. *Biochemical Journal*, **2018**, 475, 319-328	3.8	4
107	A Novel Complex of Chitosan?Sodium Carbonate and Its Properties. *Marine Drugs*, **2018**, 16,	6	4

106	Reconstruction and Analysis of a Genome-Scale Metabolic Model of for Improved Extracellular Polysaccharide Production. *Frontiers in Microbiology*, **2018**, 9, 3076	5.7	13
105	Mannan-oligosaccharide modulates the obesity and gut microbiota in high-fat diet-fed mice. *Food and Function*, **2018**, 9, 3916-3929	6.1	54
104	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
103	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
102	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
101	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
100	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
99	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
98	Effects of pyruvate kinase on the growth of Corynebacterium glutamicum and L-serine accumulation. *Process Biochemistry*, **2017**, 55, 32-40	4.8	7
97	Metabolic engineering strategies for acetoin and 2,3-butanediol production: advances and prospects. *Critical Reviews in Biotechnology*, **2017**, 37, 990-1005	9.4	51
96	Semirational Engineering Accelerates the Laboratory Evolution of Nitrilase Catalytic Efficiency for Nicotinic Acid Biosynthesis. *ChemCatChem*, **2017**, 9, 3395-3401	5.2	6
95	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
94	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
93	Bio-Heat Is a Key Environmental Driver Shaping the Microbial Community of Medium-Temperature Daqu. *Applied and Environmental Microbiology*, **2017**, 83,	4.8	71
92	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
91	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
90	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
89	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

88	Metagenomics reveals flavour metabolic network of cereal vinegar microbiota. *Food Microbiology*, **2017**, 62, 23-31	6	59
87	Bioactive Mushroom Polysaccharides: A Review on Monosaccharide Composition, Biosynthesis and Regulation. *Molecules*, **2017**, 22,	4.8	59
86	Vanillin Promotes the Germination of Arthroconidia through PKA and MAPK Signaling Pathways. *Frontiers in Microbiology*, **2017**, 8, 2048	5.7	2
85	Biotransformation of DHEA into 7β,15α-diOH-DHEA. *Methods in Molecular Biology*, **2017**, 1645, 289-295	1.4	4
84	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
83	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
82	Systems pathway engineering of Corynebacterium crenatum for improved L-arginine production. *Scientific Reports*, **2016**, 6, 28629	4.9	40
81	Exploring flavour-producing core microbiota in multispecies solid-state fermentation of traditional Chinese vinegar. *Scientific Reports*, **2016**, 6, 26818	4.9	87
80	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
79	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
78	A novel aceE mutation leading to a better growth profile and a higher L-serine production in a high-yield L-serine-producing Corynebacterium glutamicum strain. *Journal of Industrial Microbiology and Biotechnology*, **2016**, 43, 1293-301	4.2	3
77	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
76	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
75	Preparation and partial structural characterization of the exopolysaccharide from Bacillus mucilaginosus SM-01. *Carbohydrate Polymers*, **2016**, 146, 217-23	10.3	20
74	A mutant form of 3-ketosteroid-Δ1-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
73	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
72	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
71	Synthetic pathway optimization for improved 1,2,4-butanetriol production. *Journal of Industrial Microbiology and Biotechnology*, **2016**, 43, 67-78	4.2	28

70	Enhanced 3α,7α,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	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
68	Engineering of N-Acetyl-L-glutamate kinase from Corynebacterium glutamicum toward improved catalytic efficiency and thermostability. *Journal of Molecular Catalysis B: Enzymatic*, **2016**, 133, S360-S370		1
67	Purification and characterization of a glycosidase with hydrolyzing multi-3-O-glycosides of spirostanol saponin activity from Gibberella intermedia. *Journal of Molecular Catalysis B: Enzymatic*, **2016**, 128, 46-51		4
66	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
65	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
64	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
63	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
62	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
61	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
60	Efficient hydroxylation of functionalized steroids by Colletotrichum lini ST-1. *Journal of Molecular Catalysis B: Enzymatic*, **2015**, 120, 111-118		14
59	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
58	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
57	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
56	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
55	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
54	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
53	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

52	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
51	L-Serine overproduction with minimization of by-product synthesis by engineered Corynebacterium glutamicum. *Applied Microbiology and Biotechnology*, **2015**, 99, 1665-73	5.7	31
50	Screening and characterization of a highly active chitosanase based on metagenomic technology. *Journal of Molecular Catalysis B: Enzymatic*, **2015**, 111, 29-35		14
49	Economic conversion of spirit-based distillers' grain to 2,3-butanediol by Bacillus amyloliquefaciens. *Process Biochemistry*, **2015**, 50, 20-23	4.8	16
48	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
47	Bench-scale biosynthesis of isonicotinic acid from 4-cyanopyridine by Pseudomonas putida. *Chemical Papers*, **2014**, 68,	1.9	8
46	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
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