

Z-Q Liu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8741153/publications.pdf>

Version: 2024-02-01

218
papers

4,658
citations

126907

33
h-index

189892

50
g-index

227
all docs

227
docs citations

227
times ranked

3353
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent advances in biotechnological applications of alcohol dehydrogenases. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 987-1001.	3.6	134
2	Improvement of xylanase production by <i>Penicillium oxalicum</i> ZH-30 using response surface methodology. <i>Enzyme and Microbial Technology</i> , 2007, 40, 1381-1388.	3.2	126
3	Production of Octenyl Succinic Anhydride-Modified Waxy Corn Starch and Its Characterization. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 11499-11506.	5.2	114
4	Structural and Functional Studies of <i>Aspergillus oryzae</i> Cutinase: Enhanced Thermostability and Hydrolytic Activity of Synthetic Ester and Polyester Degradation. <i>Journal of the American Chemical Society</i> , 2009, 131, 15711-15716.	13.7	112
5	Identification and comparison of cutinases for synthetic polyester degradation. <i>Applied Microbiology and Biotechnology</i> , 2012, 93, 229-240.	3.6	95
6	Thermoplastic starch/PVAI compounds: Preparation, processing, and properties. <i>Journal of Applied Polymer Science</i> , 1999, 74, 2667-2673.	2.6	71
7	Enzymatic synthesis of an ezetimibe intermediate using carbonyl reductase coupled with glucose dehydrogenase in an aqueous-organic solvent system. <i>Bioresource Technology</i> , 2017, 229, 26-32.	9.6	71
8	Metabolic engineering of <i>Escherichia coli</i> for microbial production of L-methionine. <i>Biotechnology and Bioengineering</i> , 2017, 114, 843-851.	3.3	64
9	Induction of apoptosis in SGC-7901 cells by polysaccharide-peptide GFPS1b from the cultured mycelia of <i>Grifola frondosa</i> GF9801. <i>Toxicology in Vitro</i> , 2007, 21, 417-427.	2.4	62
10	Isolation, identification and characterization of <i>Bacillus subtilis</i> ZJB-063, a versatile nitrile-converting bacterium. <i>Applied Microbiology and Biotechnology</i> , 2008, 77, 985-993.	3.6	61
11	Properties and biotechnological applications of halohydrin dehalogenases: current state and future perspectives. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 9-21.	3.6	60
12	Biosynthesis of tert-butyl (3R,5S)-6-chloro-3,5-dihydroxyhexanoate by carbonyl reductase from <i>Rhodospiridium toruloides</i> in mono and biphasic media. <i>Bioresource Technology</i> , 2018, 249, 161-167.	9.6	59
13	Systematic Analysis of Bottlenecks in a Multibranched and Multilevel Regulated Pathway: The Molecular Fundamentals of L-Methionine Biosynthesis in <i>Escherichia coli</i> . <i>ACS Synthetic Biology</i> , 2018, 7, 2577-2589.	3.8	59
14	Statistical optimization of xylanase production from new isolated <i>Penicillium oxalicum</i> ZH-30 in submerged fermentation. <i>Biochemical Engineering Journal</i> , 2007, 34, 82-86.	3.6	58
15	Improvement of astaxanthin production by a newly isolated <i>Phaffia rhodozyma</i> mutant with low-energy ion beam implantation. <i>Journal of Applied Microbiology</i> , 2008, 104, 861-872.	3.1	56
16	Improvement of <i>Alcaligenes faecalis</i> Nitrilase by Gene Site Saturation Mutagenesis and Its Application in Stereospecific Biosynthesis of (R)-(α)-Mandelic Acid. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 4685-4694.	5.2	55
17	Effects of glycerin and glycerol monostearate on performance of thermoplastic starch. <i>Journal of Materials Science</i> , 2001, 36, 1809-1815.	3.7	54
18	Promoter engineering strategies for the overproduction of valuable metabolites in microbes. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 8725-8736.	3.6	53

#	ARTICLE	IF	CITATIONS
19	Application of CRISPRi in <i>Corynebacterium glutamicum</i> for shikimic acid production. <i>Biotechnology Letters</i> , 2016, 38, 2153-2161.	2.2	50
20	Upscale production of ethyl (S)-4-chloro-3-hydroxybutanoate by using carbonyl reductase coupled with glucose dehydrogenase in aqueous-organic solvent system. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 2119-2129.	3.6	49
21	Directed Evolution of Carbonyl Reductase from <i>Rhodospiridium toruloides</i> and Its Application in Stereoselective Synthesis of <i>tert</i> -Butyl (3 <i>R</i> ,5 <i>S</i>)-6-Chloro-3,5-dihydroxyhexanoate. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 3721-3729.	5.2	45
22	Isolation and characterization of <i>Delftia tsuruhatensis</i> ZJB-05174, capable of R-enantioselective degradation of 2,2-dimethylcyclopropanecarboxamide. <i>Research in Microbiology</i> , 2007, 158, 258-264.	2.1	43
23	Gene Cloning, Expression, and Characterization of a Nitrilase from <i>Alcaligenes faecalis</i> ZJUTB10. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 11560-11570.	5.2	43
24	Cloning, sequencing, and expression of a novel epoxide hydrolase gene from <i>Rhodococcus opacus</i> in <i>Escherichia coli</i> and characterization of enzyme. <i>Applied Microbiology and Biotechnology</i> , 2007, 74, 99-106.	3.6	41
25	Enantioselective biocatalytic hydrolysis of (R,S)-mandelonitrile for production of (R)-(α)-mandelic acid by a newly isolated mutant strain. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2011, 38, 337-345.	3.0	41
26	Biosynthetic Pathway Analysis for Improving the Cordycepin and Cordycepic Acid Production in <i>Hirsutella sinensis</i> . <i>Applied Biochemistry and Biotechnology</i> , 2016, 179, 633-649.	2.9	40
27	Significant improvement of the nitrilase activity by semi-rational protein engineering and its application in the production of iminodiacetic acid. <i>International Journal of Biological Macromolecules</i> , 2018, 116, 563-571.	7.5	38
28	De Novo Construction of Catenanes with Dissymmetric Cages by Space-Discriminative Post-Assembly Modification. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 7113-7121.	13.8	38
29	A Novel Integrated Bioprocess for Efficient Production of (<i>R</i>)-(α)-Mandelic Acid with Immobilized <i>Alcaligenes faecalis</i> ZJUTB10. <i>Organic Process Research and Development</i> , 2013, 17, 213-220.	2.7	37
30	Nitrilase: a promising biocatalyst in industrial applications for green chemistry. <i>Critical Reviews in Biotechnology</i> , 2021, 41, 72-93.	9.0	37
31	Cloning, expression and characterization of a lipase gene from the <i>Candida antarctica</i> ZJB09193 and its application in biosynthesis of vitamin A esters. <i>Microbiological Research</i> , 2012, 167, 452-460.	5.3	36
32	Chemoenzymatic synthesis of (S)-duloxetine using carbonyl reductase from <i>Rhodospiridium toruloides</i> . <i>Bioorganic Chemistry</i> , 2016, 65, 82-89.	4.1	36
33	Directed Evolution and Characterization of a Novel <i>d</i> -Pantothylase from <i>Fusarium moniliforme</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2006, 54, 5823-5830.	5.2	35
34	Metabolic engineering of <i>Escherichia coli</i> for d-pantothenic acid production. <i>Food Chemistry</i> , 2019, 294, 267-275.	8.2	35
35	Characterization of a newly synthesized epoxide hydrolase and its application in racemic resolution of (R,S)-epichlorohydrin. <i>Catalysis Communications</i> , 2011, 16, 133-139.	3.3	34
36	Design of Nitrilases with Superior Activity and Enantioselectivity towards Sterically Hindered Nitrile by Protein Engineering. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 1741-1750.	4.3	34

#	ARTICLE	IF	CITATIONS
37	A novel enantioselective epoxide hydrolase from <i>Agromyces mediolanus</i> ZJB120203: Cloning, characterization and application. <i>Process Biochemistry</i> , 2014, 49, 409-417.	3.7	33
38	Separation and purification of l-methionine from <i>E. coli</i> fermentation broth by macroporous resin chromatography. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2019, 1110-1111, 108-115.	2.3	33
39	Application of Plackett-Burman experimental design and Doehlert design to evaluate nutritional requirements for xylanase production by <i>Alternaria mali</i> ND-16. <i>Applied Microbiology and Biotechnology</i> , 2007, 77, 285-291.	3.6	32
40	Biosynthesis of (R)-epichlorohydrin at high substrate concentration by kinetic resolution of racemic epichlorohydrin with a recombinant epoxide hydrolase. <i>Engineering in Life Sciences</i> , 2013, 13, 385-392.	3.6	32
41	Production of 1,3-dihydroxyacetone from glycerol by <i>Gluconobacter oxydans</i> ZJB09112. <i>Journal of Microbiology and Biotechnology</i> , 2010, 20, 340-345.	2.1	32
42	Enhanced biotransformation of (R,S)-mandelonitrile to (R)-(-)-mandelic acid with in situ production removal by addition of resin. <i>Biochemical Engineering Journal</i> , 2010, 53, 143-149.	3.6	31
43	Immobilization of recombinant <i>Escherichia coli</i> whole cells harboring xylose reductase and glucose dehydrogenase for xylitol production from xylose mother liquor. <i>Bioresource Technology</i> , 2019, 285, 121344.	9.6	31
44	One-pot, single-step deracemization of 2-hydroxyacids by tandem biocatalytic oxidation and reduction. <i>Chemical Communications</i> , 2013, 49, 10706.	4.1	30
45	Transcriptome sequencing and analysis of the entomopathogenic fungus <i>Hirsutella sinensis</i> isolated from <i>Ophiocordyceps sinensis</i> . <i>BMC Genomics</i> , 2015, 16, 106.	2.8	30
46	Construction of a highly active secretory expression system in <i>Bacillus subtilis</i> of a recombinant amidase by promoter and signal peptide engineering. <i>International Journal of Biological Macromolecules</i> , 2020, 143, 833-841.	7.5	29
47	The Gibberellin Producer <i>Fusarium fujikuroi</i> : Methods and Technologies in the Current Toolkit. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 232.	4.1	29
48	Optimization of cultivation conditions for the production of 1,3-dihydroxyacetone by <i>Pichia membranifaciens</i> using response surface methodology. <i>Biochemical Engineering Journal</i> , 2008, 38, 285-291.	3.6	28
49	Biosynthesis of Iminodiacetic Acid from Iminodiacetonitrile by Immobilized Recombinant <i>Escherichia coli</i> Harboring Nitrilase. <i>Journal of Molecular Microbiology and Biotechnology</i> , 2012, 22, 35-47.	1.0	28
50	Nitrite-mediated synthesis of chiral epichlorohydrin using haloalcohol dehalogenase from <i>Agrobacterium radiobacter</i> AD1. <i>Biotechnology and Applied Biochemistry</i> , 2012, 59, 170-177.	3.1	28
51	Production of (R)-epichlorohydrin from 1,3-dichloro-2-propanol by two-step biocatalysis using haloalcohol dehalogenase and epoxide hydrolase in two-phase system. <i>Biochemical Engineering Journal</i> , 2013, 74, 1-7.	3.6	28
52	Improvement and characterization of a hyperthermophilic glucose isomerase from <i>Thermoanaerobacter ethanolicus</i> and its application in production of high fructose corn syrup. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2015, 42, 1091-1103.	3.0	28
53	Identification and characterization of an amidase from <i>Leclercia adecarboxylata</i> for efficient biosynthesis of L-phosphinothricin. <i>Bioresource Technology</i> , 2019, 289, 121658.	9.6	28
54	Isolation and identification of a novel <i>Rhodococcus</i> sp. ML-0004 producing epoxide hydrolase and optimization of enzyme production. <i>Process Biochemistry</i> , 2007, 42, 889-894.	3.7	27

#	ARTICLE	IF	CITATIONS
55	Immobilization of Recombinant Glucose Isomerase for Efficient Production of High Fructose Corn Syrup. <i>Applied Biochemistry and Biotechnology</i> , 2017, 183, 293-306.	2.9	27
56	Biosynthesis of chiral epichlorohydrin using an immobilized halohydrin dehalogenase in aqueous and non-aqueous phase. <i>Bioresource Technology</i> , 2018, 263, 483-490.	9.6	27
57	Asymmetric synthesis of l-phosphinothricin using thermostable alpha-transaminase mined from <i>Citrobacter koseri</i> . <i>Journal of Biotechnology</i> , 2019, 302, 10-17.	3.8	27
58	Biosynthesis of nicotinic acid from 3-cyanopyridine by a newly isolated <i>Fusarium proliferatum</i> ZJB-09150. <i>World Journal of Microbiology and Biotechnology</i> , 2013, 29, 431-440.	3.6	26
59	Cloning and expression of d-lactonohydrolase cDNA from <i>Fusarium moniliforme</i> in <i>Saccharomyces cerevisiae</i> . <i>Biotechnology Letters</i> , 2004, 26, 1861-1865.	2.2	25
60	A novel synthesis of iminodiacetic acid: Biocatalysis by whole <i>Alcaligenes faecalis</i> ZJB09133 cells from iminodiacetonitrile. <i>Biotechnology Progress</i> , 2011, 27, 698-705.	2.6	25
61	Screening and Improving the Recombinant Nitrilases and Application in Biotransformation of Iminodiacetonitrile to Iminodiacetic Acid. <i>PLoS ONE</i> , 2013, 8, e67197.	2.5	25
62	Characterization of a newly synthesized carbonyl reductase and construction of a biocatalytic process for the synthesis of ethyl (S)-4-chloro-3-hydroxybutanoate with high space-time yield. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 1671-1680.	3.6	25
63	Chemoenzymatic synthesis of gabapentin by combining nitrilase-mediated hydrolysis with hydrogenation over Raney-nickel. <i>Catalysis Communications</i> , 2015, 66, 121-125.	3.3	25
64	Asymmetric biosynthesis of L-phosphinothricin by a novel transaminase from <i>Pseudomonas fluorescens</i> ZJB09-108. <i>Process Biochemistry</i> , 2019, 85, 60-67.	3.7	25
65	Efficient Biosynthesis of Xylitol from Xylose by Coexpression of Xylose Reductase and Glucose Dehydrogenase in <i>Escherichia coli</i> . <i>Applied Biochemistry and Biotechnology</i> , 2019, 187, 1143-1157.	2.9	25
66	Multiplex Design of the Metabolic Network for Production of α -Homoserine in <i>Escherichia coli</i> . <i>Applied and Environmental Microbiology</i> , 2020, 86, .	3.1	25
67	Activity improvement of a regioselective nitrilase from <i>Acidovorax facilis</i> and its application in the production of 1-(cyanocyclohexyl) acetic acid. <i>Process Biochemistry</i> , 2014, 49, 2141-2148.	3.7	24
68	Chemical and enzymatic approaches to the synthesis of optically pure ethyl (R)-4-cyano-3-hydroxybutanoate. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 11-21.	3.6	24
69	Spontaneous Resolution of Racemic Cage-Catenanes via Diastereomeric Enrichment at the Molecular Level and Subsequent Narcissistic Self-Sorting at the Supramolecular Level. <i>Journal of the American Chemical Society</i> , 2022, 144, 1342-1350.	13.7	24
70	High-throughput screening methods for nitrilases. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 3421-3432.	3.6	23
71	Enhanced catalytic efficiency and enantioselectivity of epoxide hydrolase from <i>Agrobacterium radiobacter</i> AD1 by iterative saturation mutagenesis for (R)-epichlorohydrin synthesis. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 733-742.	3.6	23
72	Key properties to understand the performance of polycarbonate reprocessed by injection molding. <i>Journal of Applied Polymer Science</i> , 2000, 77, 1393-1400.	2.6	22

#	ARTICLE	IF	CITATIONS
73	Novel biosynthesis of (R)-ethyl-3-hydroxyglutarate with (R)-enantioselective hydrolysis of racemic ethyl 4-cyano-3-hydroxybutyrate by <i>Rhodococcus erythropolis</i> . <i>Applied Microbiology and Biotechnology</i> , 2010, 87, 1335-1345.	3.6	22
74	Enzymatic production of 5 α -inosinic acid by a newly synthesised acid phosphatase/phosphotransferase. <i>Food Chemistry</i> , 2012, 134, 948-956.	8.2	22
75	Significantly increased catalytic activity of <i>Candida antarctica</i> lipase B for the resolution of cis-(\pm)-dimethyl 1-acetyl-piperidine-2,3-dicarboxylate. <i>Catalysis Science and Technology</i> , 2018, 8, 4718-4725.	4.1	22
76	Enantioselective hydrolysis of (R)-2, 2-dimethylcyclopropane carboxamide by immobilized cells of an R-amidase-producing bacterium, <i>Delftia tsuruhatensis</i> CCTCC M 205114, on an alginate capsule carrier. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2010, 37, 503-510.	3.0	21
77	Asymmetric synthesis of optically active methyl-2-benzamido-methyl-3-hydroxy-butyrates by robust short-chain alcohol dehydrogenases from <i>Burkholderia gladioli</i> . <i>Chemical Communications</i> , 2015, 51, 12328-12331.	4.1	21
78	Cloning, expression and enzymatic characterization of an aldo-keto reductase from <i>Candida albicans</i> XP1463. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2015, 122, 44-50.	1.8	21
79	Optimization of media composition and culture conditions for acarbose production by <i>Actinoplanes utahensis</i> ZJB-08196. <i>World Journal of Microbiology and Biotechnology</i> , 2011, 27, 2759-2766.	3.6	20
80	Purification, Gene Cloning, and Characterization of a Novel Halohydrin Dehalogenase from <i>Agromyces mediolanus</i> ZJB120203. <i>Applied Biochemistry and Biotechnology</i> , 2014, 174, 352-364.	2.9	20
81	Efficient synthesis of (S)-epichlorohydrin in high yield by cascade biocatalysis with halohydrin dehalogenase and epoxide hydrolase mutants. <i>Catalysis Communications</i> , 2015, 72, 147-149.	3.3	20
82	Enhancement of cordyceps polysaccharide production via biosynthetic pathway analysis in <i>Hirsutella sinensis</i> . <i>International Journal of Biological Macromolecules</i> , 2016, 92, 872-880.	7.5	20
83	Improvement of carbonyl reductase activity for the bioproduction of tert-butyl (3R,5S)-6-chloro-3,5-dihydroxyhexanoate. <i>Bioorganic Chemistry</i> , 2018, 80, 733-740.	4.1	20
84	A novel self-sufficient biocatalyst based on transaminase and pyridoxal 5 α -phosphate covalent co-immobilization and its application in continuous biosynthesis of sitagliptin. <i>Enzyme and Microbial Technology</i> , 2019, 130, 109362.	3.2	20
85	Fermentative production of the unnatural amino acid l-2-aminobutyric acid based on metabolic engineering. <i>Microbial Cell Factories</i> , 2019, 18, 43.	4.0	20
86	Enhanced L-methionine production by genetically engineered <i>Escherichia coli</i> through fermentation optimization. <i>3 Biotech</i> , 2019, 9, 96.	2.2	20
87	Characterization of a newly isolated strain <i>Rhodococcus erythropolis</i> ZJB-09149 transforming 2-chloro-3-cyanopyridine to 2-chloronicotinic acid. <i>New Biotechnology</i> , 2011, 28, 610-615.	4.4	19
88	Synthesis of ethyl (R)-4-cyano-3-hydroxybutyrate in high concentration using a novel halohydrin dehalogenase HHDH-PL from <i>Parvibaculum lavamentivorans</i> DS-1. <i>RSC Advances</i> , 2014, 4, 64027-64031.	3.6	19
89	Efficient Synthesis of Non-Natural α -2-Aryl-Amino Acids by a Chemoenzymatic Route. <i>ACS Catalysis</i> , 2014, 4, 3051-3058.	11.2	19
90	Engineering the epoxide hydrolase from <i>Agromyces mediolanus</i> for enhanced enantioselectivity and activity in the kinetic resolution of racemic epichlorohydrin. <i>RSC Advances</i> , 2015, 5, 31525-31532.	3.6	19

#	ARTICLE	IF	CITATIONS
91	Efficient biosynthesis of ethyl (R)-4-chloro-3-hydroxybutyrate using a stereoselective carbonyl reductase from <i>Burkholderia gladioli</i> . <i>BMC Biotechnology</i> , 2016, 16, 70.	3.3	19
92	Large-scale synthesis of tert-butyl (3R,5S)-6-chloro-3,5-dihydroxyhexanoate by a stereoselective carbonyl reductase with high substrate concentration and product yield. <i>Biotechnology Progress</i> , 2017, 33, 612-620.	2.6	19
93	Improvement of a newly cloned carbonyl reductase and its application to biosynthesize chiral intermediate of duloxetine. <i>Process Biochemistry</i> , 2018, 70, 124-128.	3.7	19
94	Fluorescence-based high-throughput screening system for R ¹ -transaminase engineering and its substrate scope extension. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 2999-3009.	3.6	19
95	Nitrilase-catalyzed conversion of (<i>R,S</i>)-mandelonitrile by immobilized recombinant <i>Escherichia coli</i> cells harboring nitrilase. <i>Biotechnology and Applied Biochemistry</i> , 2016, 63, 479-489.	3.1	18
96	Simple-MSSM: a simple and efficient method for simultaneous multi-site saturation mutagenesis. <i>Biotechnology Letters</i> , 2017, 39, 567-575.	2.2	18
97	Metabolic engineering of <i>E. coli</i> for the production of O-succinyl-L-homoserine with high yield. <i>3 Biotech</i> , 2018, 8, 310.	2.2	18
98	Improved production of D-pantothenic acid in <i>Escherichia coli</i> by integrated strain engineering and fermentation strategies. <i>Journal of Biotechnology</i> , 2021, 339, 65-72.	3.8	18
99	Multiplex modification of <i>Escherichia coli</i> for enhanced β^2 -alanine biosynthesis through metabolic engineering. <i>Bioresource Technology</i> , 2021, 342, 126050.	9.6	18
100	Rerouting Fluxes of the Central Carbon Metabolism and Relieving Mechanism-Based Inactivation of Aspartate- β -decarboxylase for Fermentative Production of β^2 -Alanine in <i>Escherichia coli</i>. <i>ACS Synthetic Biology</i> , 2022, 11, 1908-1918.	3.8	18
101	Production of xylanase from a newly isolated <i>Penicillium</i> sp. ZH-30. <i>World Journal of Microbiology and Biotechnology</i> , 2007, 23, 837-843.	3.6	17
102	Identification and characterization of <i>Serratia marcescens</i> ZJB-09104, a nitrile-converting bacterium. <i>World Journal of Microbiology and Biotechnology</i> , 2010, 26, 817-823.	3.6	17
103	A One-step Biocatalytic Process for (<i>S</i>)-4-Chloro-3-hydroxybutyronitrile using Halohydrin Dehalogenase: A Chiral Building Block for Atorvastatin. <i>ChemCatChem</i> , 2015, 7, 2446-2450.	3.7	17
104	Creation of a robust and R-selective β -amine transaminase for the asymmetric synthesis of sitagliptin intermediate on a kilogram scale. <i>Enzyme and Microbial Technology</i> , 2020, 141, 109655.	3.2	17
105	Enhancing Endo-nitrilase production by a newly isolated <i>Arthrobacter nitroguajacolicus</i> ZJUTB06-99 through optimization of culture medium. <i>Biotechnology and Bioprocess Engineering</i> , 2009, 14, 795-802.	2.6	16
106	Production of mycelial biomass and exo-polymer by <i>Hericium erinaceus</i> CZ-2: Optimization of nutrients levels using response surface methodology. <i>Biotechnology and Bioprocess Engineering</i> , 2010, 15, 299-307.	2.6	16
107	Characterization and application of a newly synthesized 2-deoxyribose-5-phosphate aldolase. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2013, 40, 29-39.	3.0	16
108	An efficient high-throughput screening assay for rapid directed evolution of halohydrin dehalogenase for preparation of β^2 -substituted alcohols. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 4019-4029.	3.6	16

#	ARTICLE	IF	CITATIONS
109	Production of R-Mandelic Acid Using Nitrilase from Recombinant <i>E. coli</i> Cells Immobilized with Tris(Hydroxymethyl)Phosphine. <i>Applied Biochemistry and Biotechnology</i> , 2018, 184, 1024-1035.	2.9	16
110	Improvement of amphotericin B production by a newly isolated <i>Streptomyces nodosus</i> mutant. <i>Biotechnology and Applied Biochemistry</i> , 2018, 65, 188-194.	3.1	16
111	Molecular modification of a halohydrin dehalogenase for kinetic regulation to synthesize optically pure (S)-epichlorohydrin. <i>Bioresource Technology</i> , 2019, 276, 154-160.	9.6	16
112	Covalent immobilization of recombinant <i>Citrobacter koseri</i> transaminase onto epoxy resins for consecutive asymmetric synthesis of L-phosphinothricin. <i>Bioprocess and Biosystems Engineering</i> , 2020, 43, 1599-1607.	3.4	16
113	Enhanced amphotericin B production by genetically engineered <i>Streptomyces nodosus</i> . <i>Microbiological Research</i> , 2021, 242, 126623.	5.3	16
114	Genome sequencing and analysis of fungus <i>Hirsutella sinensis</i> isolated from <i>Ophiocordyceps sinensis</i> . <i>AMB Express</i> , 2020, 10, 105.	3.0	16
115	Preparation of 3-ketoalidoxylamine A C ¹⁴ N lyase substrate: N-p-nitrophenyl-3-ketoalidamine by <i>Stenotrophomonas maltophilia</i> CCTCC M 204024. <i>Applied Microbiology and Biotechnology</i> , 2007, 73, 1275-1281.	3.6	15
116	Optimization of fermentation conditions for production of xylanase by a newly isolated strain, <i>Penicillium thiersii</i> ZH-19. <i>World Journal of Microbiology and Biotechnology</i> , 2009, 25, 721-725.	3.6	15
117	Efficient two-step chemo-enzymatic synthesis of all-trans-retinyl palmitate with high substrate concentration and product yield. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 8891-8902.	3.6	15
118	Chiral diol t-butyl 6-cyano-(3R,5R)-dihydroxylhexanoate synthesis catalyzed by immobilized cells of carbonyl reductase and glucose dehydrogenase co-expression <i>E. coli</i> . <i>Biochemical Engineering Journal</i> , 2017, 128, 54-62.	3.6	15
119	Properties of d-allulose 3-epimerase mined from <i>Novibacillus thermophilus</i> and its application to synthesis of d-allulose. <i>Enzyme and Microbial Technology</i> , 2021, 148, 109816.	3.2	15
120	Efficient separation of (R)-mandelic acid biosynthesized from (R,S)-mandelonitrile by nitrilase using ion-exchange process. <i>Journal of Chemical Technology and Biotechnology</i> , 2011, 86, 391-397.	3.2	14
121	Screening and characterization of microorganisms capable of converting iminodiacetonitrile to iminodiacetic acid. <i>Engineering in Life Sciences</i> , 2012, 12, 69-78.	3.6	14
122	Expression, characterization, and improvement of a newly cloned halohydrin dehalogenase from <i>Agrobacterium tumefaciens</i> and its application in production of epichlorohydrin. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2014, 41, 1145-1158.	3.0	14
123	Biochemical characterization and biosynthetic application of a halohydrin dehalogenase from <i>Tistrella mobilis</i> ZJB1405. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2015, 115, 105-112.	1.8	14
124	Immobilization of nitrilase on bioinspired silica for efficient synthesis of 2-hydroxy-4-(methylthio)butanoic acid from 2-hydroxy-4-(methylthio)butanenitrile. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2016, 43, 585-593.	3.0	14
125	Enantioselective cascade biocatalysis for deracemization of 2-hydroxy acids using a three-enzyme system. <i>Microbial Cell Factories</i> , 2016, 15, 162.	4.0	14
126	Enhanced production of xylose from corncob hydrolysis with oxalic acid as catalyst. <i>Bioprocess and Biosystems Engineering</i> , 2018, 41, 57-64.	3.4	14

#	ARTICLE	IF	CITATIONS
127	Highly efficient conversion of 1-cyanocycloalkaneacetonitrile using a "super nitrilase mutant". <i>Bioprocess and Biosystems Engineering</i> , 2019, 42, 455-463.	3.4	14
128	Efficient Synthesis of Sugar Alcohols under Mild Conditions Using a Novel Sugar-Selective Hydrogenation Catalyst Based on Ruthenium Valence Regulation. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 12393-12399.	5.2	14
129	Engineering a <i>Pichia pastoris</i> nitrilase whole cell catalyst through the increased nitrilase gene copy number and co-expressing of ER oxidoreductin 1. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 2489-2500.	3.6	14
130	Single-Handed Double Helix and Spiral Platelet Formed by Racemate of Dissymmetric Cages. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 15080-15086.	13.8	14
131	Improvement of nitrilase production from a newly isolated <i>Alcaligenes faecalis</i> mutant for biotransformation of iminodiacetonitrile to iminodiacetic acid. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2013, 44, 169-176.	5.3	13
132	An NADPH-dependent <i>Lactobacillus composti</i> short-chain dehydrogenase/reductase: characterization and application to (R)-1-phenylethanol synthesis. <i>World Journal of Microbiology and Biotechnology</i> , 2017, 33, 144.	3.6	13
133	<i>Pedobacter quisquiliarum</i> sp. nov., isolated from activated sludge. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2018, 68, 438-442.	1.7	13
134	Production of Acrylic Acid from Acrylonitrile by Immobilization of <i>Arthrobacter nitroguajacolicus</i> ZJUTB06-99. <i>Journal of Microbiology and Biotechnology</i> , 2009, 19, 582-7.	2.1	13
135	Efficient Resolution of cis-(±)-Dimethyl 1-Acetylpiperidine-2,3-dicarboxylate by Covalently Immobilized Mutant <i>Candida antarctica</i> Lipase B in Batch and Semicontinuous Modes. <i>Organic Process Research and Development</i> , 2019, 23, 1017-1025.	2.7	12
136	<i>Flavobacterium quisquiliarum</i> sp. nov., isolated from activated sludge. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2017, 67, 3965-3970.	1.7	12
137	Amphotericin B biosynthesis in <i>Streptomyces nodosus</i> : quantitative analysis of metabolism via LC-MS/MS based metabolomics for rational design. <i>Microbial Cell Factories</i> , 2020, 19, 18.	4.0	12
138	Isolation of enantioselective ±-hydroxyacid dehydrogenases based on a high-throughput screening method. <i>Bioprocess and Biosystems Engineering</i> , 2012, 35, 1515-1522.	3.4	11
139	Improving catalytic performance of an arylacetonitrilase by semirational engineering. <i>Bioprocess and Biosystems Engineering</i> , 2017, 40, 1565-1572.	3.4	11
140	Enhanced production of l-methionine in engineered <i>Escherichia coli</i> with efficient supply of one carbon unit. <i>Biotechnology Letters</i> , 2020, 42, 429-436.	2.2	11
141	Effects of methyl oleate and microparticle-enhanced cultivation on echinocandin B fermentation titer. <i>Bioprocess and Biosystems Engineering</i> , 2020, 43, 2009-2015.	3.4	11
142	Overproduction of D-pantothenic acid via fermentation conditions optimization and isoleucine feeding from recombinant <i>Escherichia coli</i> W3110. <i>3 Biotech</i> , 2021, 11, 295.	2.2	11
143	Enabling biocatalysis in high-concentration organic cosolvent by enzyme gate engineering. <i>Biotechnology and Bioengineering</i> , 2022, 119, 845-856.	3.3	11
144	An enzymatic method for determination of azide and cyanide in aqueous phase. <i>Journal of Biotechnology</i> , 2015, 214, 27-32.	3.8	10

#	ARTICLE	IF	CITATIONS
145	Colorimetric assay for active biomass quantification of <i>Fusarium fujikuroi</i> . <i>Journal of Microbiological Methods</i> , 2018, 155, 37-41.	1.6	10
146	Establishment of a novel high-throughput screening method for the detection and quantification of L-phosphinothricin produced by a biosynthesis approach. <i>Process Biochemistry</i> , 2019, 76, 136-141.	3.7	10
147	Upscale production of (R)-mandelic acid with a stereospecific nitrilase in an aqueous system. <i>Bioprocess and Biosystems Engineering</i> , 2020, 43, 1299-1307.	3.4	10
148	Heterologous expression and biochemical characterization of a thermostable endo- β -1,4-glucanase from <i>Colletotrichum orchidophilum</i> . <i>Bioprocess and Biosystems Engineering</i> , 2021, 44, 67-79.	3.4	10
149	Identification of a novel promoter for driving antibiotic-resistant genes to reduce the metabolic burden during protein expression and effectively select multiple integrations in <i>Pichia Pastoris</i> . <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 3211-3223.	3.6	10
150	High-level production of <i>d</i> -pantothenic acid from glucose by fed-batch cultivation of <i>Escherichia coli</i> . <i>Biotechnology and Applied Biochemistry</i> , 2020, , .	3.1	10
151	Targeting metabolic driving and minimization of by-products synthesis for high-yield production of D-pantothenate in <i>Escherichia coli</i> . <i>Biotechnology Journal</i> , 2022, 17, e2100431.	3.5	10
152	Development of an <i>Escherichia coli</i> whole cell catalyst harboring conjugated polyketone reductase from <i>Candida glabrata</i> for synthesis of <i>d</i> -pantolactone. <i>Process Biochemistry</i> , 2022, 112, 223-233.	3.7	10
153	Biotransformation of <i>dl</i> -lactate to pyruvate by a newly isolated <i>Serratia marcescens</i> ZJB-07166. <i>Process Biochemistry</i> , 2010, 45, 1632-1637.	3.7	9
154	Efficient production of methionine from 2-amino-4-methylthiobutanenitrile by recombinant <i>Escherichia coli</i> harboring nitrilase. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2014, 41, 1479-1486.	3.0	9
155	Isolation of fructose from high-fructose corn syrup with calcium immobilized strong acid cation exchanger: Isotherms, kinetics, and fixed-bed chromatography study. <i>Canadian Journal of Chemical Engineering</i> , 2016, 94, 537-546.	1.7	9
156	Enhanced diastereoselective synthesis of <i>l</i> -butyl 6-cyano-(3 <i>R</i> ,5 <i>R</i>)-dihydroxyhexanoate by using aldo-keto reductase and glucose dehydrogenase co-producing engineered <i>Escherichia coli</i> . <i>Biotechnology Progress</i> , 2017, 33, 1235-1242.	2.6	9
157	Improvement of gibberellin production by a newly isolated <i>Fusarium fujikuroi</i> mutant. <i>Journal of Applied Microbiology</i> , 2020, 129, 1620-1632.	3.1	9
158	Calcium Carbonate Addition Improves L-Methionine Biosynthesis by Metabolically Engineered <i>Escherichia coli</i> W3110-BL. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 300.	4.1	9
159	Enhanced <i>l</i> -succinyl- <i>l</i> -homoserine production by recombinant <i>Escherichia coli</i> Δ BB*Trc <i>metL</i> /pTrc- <i>metA</i> ^{fbr} Δ Trc- <i>thrA</i> ^{fbr} Δ yjeh via multilevel fermentation optimization. <i>Journal of Applied Microbiology</i> , 2021, 130, 1960-1971.	3.1	9
160	Structural insights into the thermostability mechanism of a nitrile hydratase from <i>Caldalkalibacillus thermarum</i> by comparative molecular dynamics simulation. <i>Proteins: Structure, Function and Bioinformatics</i> , 2021, 89, 978-987.	2.6	9
161	Catenated Cages Mediated by Enthalpic Reaction Intermediates. <i>CCS Chemistry</i> , 2021, 3, 1838-1850.	7.8	9
162	Strengthening the (R)-pantoate pathway to produce D-pantothenic acid based on systematic metabolic analysis. <i>Food Bioscience</i> , 2021, 43, 101283.	4.4	9

#	ARTICLE	IF	CITATIONS
163	Enhanced catalytic efficiency and thermostability of glucose isomerase from <i>Thermoanaerobacter ethanolicus</i> via site-directed mutagenesis. <i>Enzyme and Microbial Technology</i> , 2021, 152, 109931.	3.2	9
164	Efficient biocatalytic hydrolysis of 2-chloronicotinamide for production of 2-chloronicotinic acid by recombinant amidase. <i>Catalysis Communications</i> , 2013, 38, 6-9.	3.3	8
165	Enhanced AmB Production in <i>Streptomyces nodosus</i> by Fermentation Regulation and Rational Combined Feeding Strategy. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 597.	4.1	8
166	De Novo Construction of Catenanes with Dissymmetric Cages by Spaceâ€Discriminative Postâ€Assembly Modification. <i>Angewandte Chemie</i> , 2020, 132, 7179-7187.	2.0	8
167	Characterization of a recombinant sucrose isomerase and its application to enzymatic production of isomaltulose. <i>Biotechnology Letters</i> , 2021, 43, 261-269.	2.2	8
168	Immobilization of recombinant <i>Escherichia coli</i> cells expressing glucose isomerase using modified diatomite as a carrier for effective production of high fructose corn syrup in packed bed reactor. <i>Bioprocess and Biosystems Engineering</i> , 2021, 44, 1781-1792.	3.4	8
169	Influences of Xylitol Consumption at Different Dosages on Intestinal Tissues and Gut Microbiota in Rats. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 12002-12011.	5.2	8
170	Enhancement of Nucleoside Production in <i>Hirsutella sinensis</i> Based on Biosynthetic Pathway Analysis. <i>BioMed Research International</i> , 2017, 2017, 1-11.	1.9	7
171	Asymmetric synthesis of tert-butyl (3R,5S)-6-chloro-3,5-dihydroxyhexanoate using a self-sufficient biocatalyst based on carbonyl reductase and cofactor co-immobilization. <i>Bioprocess and Biosystems Engineering</i> , 2020, 43, 21-31.	3.4	7
172	Enhancement of protoplast preparation and regeneration of <i>Hirsutella sinensis</i> based on process optimization. <i>Biotechnology Letters</i> , 2020, 42, 2357-2366.	2.2	7
173	Isolation and Identification of a Newly Isolated <i>Alternaria</i> sp. ND-16 and Characterization of Xylanase. <i>Applied Biochemistry and Biotechnology</i> , 2009, 157, 36-49.	2.9	6
174	IMPROVEMENT OF 1,3-DIHYDROXYACETONE PRODUCTION FROM <i>Gluconobacter oxydans</i> BY ION BEAM IMPLANTATION. <i>Preparative Biochemistry and Biotechnology</i> , 2012, 42, 15-28.	1.9	6
175	Screening, cultivation, and biocatalytic performance of <i>Rhodococcus boritolerans</i> FW815 with strong 2,2-dimethylcyclopropanecarbonitrile hydratase activity. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2012, 39, 409-417.	3.0	6
176	Highly enantioselective oxidation of β -hydroxyacids bearing a substituent with an aryl group: Co-production of optically active β -hydroxyacids and β -ketoacids. <i>Bioresource Technology</i> , 2013, 132, 391-394.	9.6	6
177	Biotransformation of iminodiacetonitrile to iminodiacetic acid by <i>Alcaligenes faecalis</i> cells immobilized in ACA-membrane liquid-core capsules. <i>Chemical Papers</i> , 2014, 68, .	2.2	6
178	ReToAd: simple method for the rapid replacement of promoters to improve protein production. <i>Biotechnology Letters</i> , 2018, 40, 957-964.	2.2	6
179	Regulation of homoserine O-succinyltransferase for efficient production of L-methionine in engineered <i>Escherichia coli</i> . <i>Journal of Biotechnology</i> , 2020, 309, 53-58.	3.8	6
180	Enhancement of gibberellic acid production from <i>Fusarium fujikuroi</i> by mutation breeding and glycerol addition. <i>3 Biotech</i> , 2020, 10, 312.	2.2	6

#	ARTICLE	IF	CITATIONS
181	Expression and characterization of a CALB-type lipase from <i>Sporisorium reilianum</i> SRZ2 and its potential in short-chain flavor ester synthesis. <i>Frontiers of Chemical Science and Engineering</i> , 2020, 14, 868-879.	4.4	6
182	Integrated bioinformatics analyses identified SCL3-induced regulatory network in <i>Arabidopsis thaliana</i> roots. <i>Biotechnology Letters</i> , 2020, 42, 1019-1033.	2.2	6
183	Comparative Transcriptome Analysis of <i>Streptomyces nodosus</i> Mutant With a High-Yield Amphotericin B. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 621431.	4.1	6
184	Improvement of cordycepin production by an isolated <i>Paecilomyces hepiali</i> mutant from combinatorial mutation breeding and medium screening. <i>Bioprocess and Biosystems Engineering</i> , 2021, 44, 2387-2398.	3.4	6
185	Redesign of (R)-Omega-Transaminase and Its Application for Synthesizing Amino Acids with Bulky Side Chain. <i>Applied Biochemistry and Biotechnology</i> , 2021, 193, 3624-3640.	2.9	6
186	Module engineering coupled with omics strategies for enhancing D-pantothenate production in <i>Escherichia coli</i> . <i>Bioresource Technology</i> , 2022, 352, 127024.	9.6	6
187	Recent advances in metabolic regulation and bioengineering of gibberellic acid biosynthesis in <i>Fusarium fujikuroi</i> . <i>World Journal of Microbiology and Biotechnology</i> , 2022, 38, .	3.6	6
188	Concurrent obtaining of aromatic (R)-2-hydroxyacids and aromatic 2-ketoacids by asymmetric oxidation with a newly isolated <i>Pseudomonas aeruginosa</i> ZJB1125. <i>Journal of Biotechnology</i> , 2013, 167, 271-278.	3.8	5
189	Stereoselective determination of 2-benzamidomethyl-3-oxobutanoate and methyl-2-benzoylamide-3-hydroxybutanoate by chiral high-performance liquid chromatography in biotransformation. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2015, 974, 57-64.	2.3	5
190	(R)-mandelic acid production with immobilized recombinant <i>Escherichia coli</i> cells in a recirculating packed bed reactor. <i>Biocatalysis and Biotransformation</i> , 2016, 34, 205-211.	2.0	5
191	Proteome sequencing and analysis of <i>Ophiocordyceps sinensis</i> at different culture periods. <i>BMC Genomics</i> , 2020, 21, 886.	2.8	5
192	Engineering Novel (R)-Selective Transaminase for Efficient Symmetric Synthesis of (S)-Alanine. <i>Applied and Environmental Microbiology</i> , 2022, 88, e0006222.	3.1	5
193	Production of tert-butyl (3R,5S)-6-chloro-3,5-dihydroxyhexanoate using carbonyl reductase coupled with glucose dehydrogenase with high space-time yield. <i>Biotechnology Progress</i> , 2020, 36, e2900.	2.6	4
194	Effect of dissolved oxygen on (S)-methionine production from glycerol by <i>Escherichia coli</i> W3110BL using metabolic flux analysis method. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2020, 47, 287-297.	3.0	4
195	Effects of lipids and surfactants on the fermentation production of echinocandin B by <i>Aspergillus nidulans</i> . <i>Journal of Applied Microbiology</i> , 2021, 131, 2849-2860.	3.1	4
196	Immobilization of Sucrose Isomerase from <i>Erwinia</i> sp. with Graphene Oxide and Its Application in Synthesizing Isomaltulose. <i>Applied Biochemistry and Biotechnology</i> , 2021, , 1.	2.9	4
197	Enhanced catalytic activity of recombinant transaminase by molecular modification to improve L-phosphinothricin production. <i>Journal of Biotechnology</i> , 2022, 343, 7-14.	3.8	4
198	Determination of three sites involved in the divergence of L-aspartate- \pm -decarboxylase self-cleavage in bacteria. <i>Enzyme and Microbial Technology</i> , 2022, 158, 110048.	3.2	4

#	ARTICLE	IF	CITATIONS
199	Comparative transcriptomic and lipidomic analysis of oleic environment adaptation in <i>Saccharomyces cerevisiae</i> : insight into metabolic reprogramming and lipid membrane expansion. <i>Systems Microbiology and Biomanufacturing</i> , 2024, 4, 112-126.	2.9	4
200	The application of quantitative risk assessment in talus slope risk analysis. <i>Georisk</i> , 2009, 3, 155-163.	3.5	3
201	O-Succinyl-L-homoserine overproduction with enhancement of the precursor succinyl-CoA supply by engineered <i>Escherichia coli</i> . <i>Journal of Biotechnology</i> , 2021, 325, 164-172.	3.8	3
202	Increase of O-acetylhomoserine production in <i>Escherichia coli</i> by modification of glycerol-oxidative pathway coupled with optimization of fermentation. <i>Biotechnology Letters</i> , 2021, 43, 105-117.	2.2	3
203	Efficient production of an ezetimibe intermediate using carbonyl reductase coupled with glucose dehydrogenase. <i>Biotechnology Progress</i> , 2021, 37, e3068.	2.6	3
204	Combining fermentation to produce O-succinyl-L-homoserine and enzyme catalysis for the synthesis of L-methionine in one pot. <i>Journal of Bioscience and Bioengineering</i> , 2021, 132, 451-459.	2.2	3
205	Efficient enzymatic synthesis of L-ascorbyl palmitate using <i>Candida antarctica</i> lipase B embedded metal-organic framework. <i>Biotechnology Progress</i> , 2022, 38, e3218.	2.6	3
206	Comparative metabolomics analysis of amphotericin B high-yield mechanism for metabolic engineering. <i>Microbial Cell Factories</i> , 2021, 20, 66.	4.0	2
207	Identification and Characterization of an O-Succinyl-L-Homoserine Sulfhydrylase From <i>Thioalkalivibrio sulfidiphilus</i> . <i>Frontiers in Chemistry</i> , 2021, 9, 672414.	3.6	2
208	Enhancing the production of amphotericin B by <i>Streptomyces nodosus</i> in a 50-ton bioreactor based on comparative genomic analysis. <i>3 Biotech</i> , 2021, 11, 299.	2.2	2
209	Single-Handed Double Helix and Spiral Platelet Formed by Racemate of Dissymmetric Cages. <i>Angewandte Chemie</i> , 2021, 133, 15207-15213.	2.0	2
210	Tuning the catalytic performances of a sucrose isomerase for production of isomaltulose with high concentration. <i>Applied Microbiology and Biotechnology</i> , 2022, 106, 2493-2501.	3.6	2
211	Mining and characterization of two novel chitinases from <i>Hirsutella sinensis</i> using an efficient transcriptome-mining approach. <i>Protein Expression and Purification</i> , 2017, 133, 81-89.	1.3	1
212	Highly Efficient Deracemization of Racemic 2-Hydroxy Acids in a Three-Enzyme Co-Expression System Using a Novel Ketoacid Reductase. <i>Applied Biochemistry and Biotechnology</i> , 2018, 186, 563-575.	2.9	1
213	Secretory expression and characterization of a novel amidase from <i>Kluyvera cryocrescens</i> in <i>Bacillus subtilis</i> . <i>Biotechnology Letters</i> , 2020, 42, 2367-2377.	2.2	1
214	Development of a fermentation strategy to enhance the catalytic efficiency of recombinant <i>Escherichia coli</i> for L-2-aminobutyric acid production. <i>3 Biotech</i> , 2021, 11, 387.	2.2	1
215	Analysis of the effects of different nitrogen sources and calcium on the production of amphotericin by <i>Streptomyces nodosus</i> based on comparative transcriptome. <i>Biotechnology and Applied Biochemistry</i> , 2021, , .	3.1	1
216	Proposed mechanism for post-translational self-modification of Co-NHase based on Co ²⁺ diffusion limitation. <i>Biotechnology Journal</i> , 2021, 16, 2100103.	3.5	1

#	ARTICLE	IF	CITATIONS
217	Highly efficient synthesis of rosuvastatin intermediate using a carbonyl reductaseâ€™ cofactor coâ€™immobilized biocatalyst in the nonâ€™aqueous biosystem. Journal of Chemical Technology and Biotechnology, 2021, 96, 3094.	3.2	1
218	Highâ€™Throughput Screening of Signal Peptide Library with Novel Fluorescent Probe. ChemBioChem, 2022, , .	2.6	1