

Yu-Guo Zheng

List of Publications by Year in descending order

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410
papers

7,721
citations

109321

35
h-index

138484

58
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423
all docs

423
docs citations

423
times ranked

5382
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Strategies for tailoring pH performances of glycoside hydrolases. <i>Critical Reviews in Biotechnology</i> , 2023, 43, 121-141.	9.0	15
3	Efficient enzymatic synthesis of <i>L</i> -ascorbyl palmitate using <i>Candida antarctica</i> lipase embedded metal-organic framework. <i>Biotechnology Progress</i> , 2022, 38, e3218.	2.6	3
4	Targeting metabolic driving and minimization of by-products synthesis for high yield production of <i>D</i> -pantothenate in <i>Escherichia coli</i> . <i>Biotechnology Journal</i> , 2022, 17, e2100431.	3.5	10
5	Enhanced catalytic activity of recombinant transaminase by molecular modification to improve <i>L</i> -phosphinothricin production. <i>Journal of Biotechnology</i> , 2022, 343, 7-14.	3.8	4
6	Characterization of <i>Acinetobacter indicus</i> ZJB20129 for heterotrophic nitrification and aerobic denitrification isolated from an urban sewage treatment plant. <i>Bioresource Technology</i> , 2022, 347, 126423.	9.6	42
7	High-throughput assay of tyrosine phenol-lyase activity using a cascade of enzymatic reactions. <i>Analytical Biochemistry</i> , 2022, 640, 114547.	2.4	1
8	Community scale in-situ rapid biological reduction and resource recovery of food waste. <i>Bioresource Technology</i> , 2022, 346, 126603.	9.6	4
9	Improvement of catalytic performance of endoglucanase CgEndo from <i>Colletotrichum graminicola</i> by site-directed mutagenesis. <i>Enzyme and Microbial Technology</i> , 2022, 154, 109963.	3.2	2
10	Rational Regulation of Reaction Specificity of Nitrilase for Efficient Biosynthesis of 2-Chloronicotinic Acid through a Single Site Mutation. <i>Applied and Environmental Microbiology</i> , 2022, 88, aem0239721.	3.1	7
11	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> -(α)-pantolactone. <i>Process Biochemistry</i> , 2022, 112, 223-233.	3.7	10
12	Bacterial dynamics and functions driven by bulking agents to enhance organic degradation in food waste in-situ rapid biological reduction (IRBR). <i>Bioprocess and Biosystems Engineering</i> , 2022, 45, 689-700.	3.4	1
13	Constitutive expression of nitrilase from <i>Rhodococcus zopfii</i> for efficient biosynthesis of 2-chloronicotinic acid. <i>3 Biotech</i> , 2022, 12, 50.	2.2	2
14	Engineering laboratory/factory-specific phage-resistant strains of <i>Escherichia coli</i> by mutagenesis and screening. <i>World Journal of Microbiology and Biotechnology</i> , 2022, 38, 51.	3.6	1
15	Expression of <i>L</i> -phosphinothricin synthesis enzymes in <i>Pichia pastoris</i> for synthesis of <i>L</i> -phosphinothricin. <i>Biotechnology Letters</i> , 2022, , 1.	2.2	3
16	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
17	Development of an NAD(H)-Driven Biocatalytic System for Asymmetric Synthesis of Chiral Amino Acids. <i>Advanced Synthesis and Catalysis</i> , 2022, 364, 1450-1459.	4.3	13
18	Determination of three sites involved in the divergence of <i>L</i> -aspartate- \pm -decarboxylase self-cleavage in bacteria. <i>Enzyme and Microbial Technology</i> , 2022, 158, 110048.	3.2	4

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19	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
20	Enabling biocatalysis in high-concentration organic cosolvent by enzyme gate engineering. <i>Biotechnology and Bioengineering</i> , 2022, 119, 845-856.	3.3	11
21	High-Throughput Screening of Signal Peptide Library with Novel Fluorescent Probe. <i>ChemBioChem</i> , 2022, , .	2.6	1
22	Engineering Novel (R)-Selective Transaminase for Efficient Symmetric Synthesis of <i>l</i> -Alanine. <i>Applied and Environmental Microbiology</i> , 2022, 88, e0006222.	3.1	5
23	A light-controlled biocatalytic system for precise regulation of enzymatic decarboxylation. <i>Catalysis Science and Technology</i> , 2022, 12, 3421-3425.	4.1	3
24	Rerouting Fluxes of the Central Carbon Metabolism and Relieving Mechanism-Based Inactivation of <i>l</i> -Aspartate- β -decarboxylase for Fermentative Production of β -Alanine in <i>Escherichia coli</i> . <i>ACS Synthetic Biology</i> , 2022, 11, 1908-1918.	3.8	18
25	Preparation of cross-linked cell aggregates (CLCAs) of recombinant <i>E. coli</i> harboring glutamate dehydrogenase and glucose dehydrogenase for efficient asymmetric synthesis of L-phosphinothricin. <i>Biochemical Engineering Journal</i> , 2022, , 108468.	3.6	2
26	Engineering of a nitrilase through consensus sequence analysis and conserved site substitution to improve its thermostability and activity. <i>Biochemical Engineering Journal</i> , 2022, 184, 108475.	3.6	6
27	Directed evolution of a carbonyl reductase LsCR for the enantioselective synthesis of (1S)-2-chloro-1-(3,4-difluorophenyl) ethanol. <i>Bioorganic Chemistry</i> , 2022, 127, 105991.	4.1	6
28	An efficient route towards R-2-phenoxypropionic acid synthesis for biotransformative production of R-2-(4-hydroxyphenoxy)propionic acid. <i>Chinese Journal of Chemical Engineering</i> , 2021, 32, 315-323.	3.5	1
29	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
30	Enzyme cascade for biocatalytic deracemization of D,L-phosphinothricin. <i>Journal of Biotechnology</i> , 2021, 325, 372-379.	3.8	18
31	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
32	Development of a biocatalytic cascade for synthesis of 2-oxo-4-(hydroxymethylphosphinyl) butyric acid in one pot. <i>Biocatalysis and Biotransformation</i> , 2021, 39, 190-197.	2.0	9
33	Enhanced amphotericin B production by genetically engineered <i>Streptomyces nodosus</i> . <i>Microbiological Research</i> , 2021, 242, 126623.	5.3	16
34	Nitrilase: a promising biocatalyst in industrial applications for green chemistry. <i>Critical Reviews in Biotechnology</i> , 2021, 41, 72-93.	9.0	37
35	Efficient bio-degradation of food waste through improving the microbial community compositions by newly isolated <i>Bacillus</i> strains. <i>Bioresource Technology</i> , 2021, 321, 124451.	9.6	26
36	A integrated process for nitrilase-catalyzed asymmetric hydrolysis and easy biocatalyst recycling by introducing biocompatible biphasic system. <i>Bioresource Technology</i> , 2021, 320, 124392.	9.6	9

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37	Simultaneous Directed Evolution of Coupled Enzymes for Efficient Asymmetric Synthesis of <i>l</i> -Phosphinothricin. <i>Applied and Environmental Microbiology</i> , 2021, 87, .	3.1	7
38	High-level expression of nitrile hydratase from <i>Pantoea</i> sp. At-9b in <i>Escherichia coli</i> . <i>Process Biochemistry</i> , 2021, 101, 199-206.	3.7	2
39	One-step eantioselective bioresolution for (S)-2-chlorophenylglycine methyl ester catalyzed by the immobilized Protease 6SD on multi-walled carbon nanotubes in a triphasic system. <i>Journal of Biotechnology</i> , 2021, 325, 294-302.	3.8	2
40	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
41	Efficient production of an ezetimibe intermediate using carbonyl reductase coupled with glucose dehydrogenase. <i>Biotechnology Progress</i> , 2021, 37, e3068.	2.6	3
42	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
43	A Single α -Transaminase-Catalyzed Biocatalytic Cascade for Efficient Asymmetric Synthesis of <i>l</i> -Phosphinothricin. <i>ChemBioChem</i> , 2021, 22, 345-348.	2.6	11
44	Development of a Simple and Sensitive Pre-column Derivatization HPLC Method for the Quantitative Analysis of Miglitol Intermediates. <i>Chromatographia</i> , 2021, 84, 347-358.	1.3	2
45	Controlling Stereopreferences of Carbonyl Reductases for Enantioselective Synthesis of Atorvastatin Precursor. <i>ACS Catalysis</i> , 2021, 11, 2572-2582.	11.2	22
46	Development of a Combination Fermentation Strategy to Simultaneously Increase Biomass and Enzyme Activity of d-amino Acid Oxidase Expressed in <i>Escherichia coli</i> . <i>Applied Biochemistry and Biotechnology</i> , 2021, 193, 2029-2042.	2.9	4
47	TK1211 Encodes an Amino Acid Racemase towards Leucine and Methionine in the Hyperthermophilic Archaeon <i>Thermococcus kodakarensis</i> . <i>Journal of Bacteriology</i> , 2021, 203, .	2.2	2
48	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
49	Comparative metabolomics analysis of amphotericin B high-yield mechanism for metabolic engineering. <i>Microbial Cell Factories</i> , 2021, 20, 66.	4.0	2
50	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
51	Efficient strategies to enhance plasmid stability for fermentation of recombinant <i>Escherichia coli</i> harboring tyrosine phenol lyase. <i>Biotechnology Letters</i> , 2021, 43, 1265-1276.	2.2	3
52	Tailoring an aldo-keto reductase KmAKR for robust thermostability and catalytic efficiency by stepwise evolution and structure-guided consensus engineering. <i>Bioorganic Chemistry</i> , 2021, 109, 104712.	4.1	10
53	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
54	Extracellular expression of natural cytosolic nitrilase from <i>Rhodococcus zopfii</i> through constructing a transmembrane tunnel structure in <i>Escherichia coli</i> cells. <i>Process Biochemistry</i> , 2021, 103, 71-77.	3.7	1

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55	Synergetic degradation of waste oil by constructed bacterial consortium for rapid in-situ reduction of kitchen waste. <i>Journal of Bioscience and Bioengineering</i> , 2021, 131, 412-419.	2.2	18
56	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
57	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
58	Comparative proteome analysis of <i>Actinoplanes utahensis</i> grown on various saccharides based on 2D-DIGE and MALDI-TOF/TOF-MS. <i>Journal of Proteomics</i> , 2021, 239, 104193.	2.4	4
59	Gene Cascade Shift and Pathway Enrichment in Rat Kidney Induced by Acarbose Through Comparative Analysis. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 659700.	4.1	2
60	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
61	Improvement of pyrroloquinoline quinone-dependent d-sorbitol dehydrogenase activity from <i>Gluconobacter oxydans</i> via expression of <i>Vitreoscilla</i> hemoglobin and regulation of dissolved oxygen tension for the biosynthesis of 6-(N-hydroxyethyl)-amino-6-deoxy- β -l-sorbofuranose. <i>Journal of Bioscience and Bioengineering</i> , 2021, 131, 518-524.	2.2	9
62	Fluorescence-based screening for engineered aldo-keto reductase (AKR) with improved catalytic performance and extended substrate scope. <i>Biotechnology Journal</i> , 2021, 16, e2100130.	3.5	8
63	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
64	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
65	Hydrogenation involved in the chemical-biological synthesis of miglitol: effect of biological impurities on catalytic activity and catalyst reuse. <i>Journal of Chemical Technology and Biotechnology</i> , 2021, 96, 3043.	3.2	0
66	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
67	Semirational engineering of an aldo-keto reductase (AKR) for overcoming trade-offs between catalytic activity and thermostability. <i>Biotechnology and Bioengineering</i> , 2021, 118, 4441-4452.	3.3	21
68	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
69	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
70	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
71	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
72	Highly efficient synthesis of rosuvastatin intermediate using a carbonyl reductase-cofactor co-immobilized biocatalyst in the non-aqueous biosystem. <i>Journal of Chemical Technology and Biotechnology</i> , 2021, 96, 3094.	3.2	1

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73	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
74	Tuning enzymatic properties by protein engineering toward catalytic tetrad of carbonyl reductase. <i>Biotechnology and Bioengineering</i> , 2021, 118, 4643-4654.	3.3	2
75	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
76	Surface Modulation of Graphene Oxide for Amidase Immobilization with High Loadings for Efficient Biocatalysis. <i>Biomolecules</i> , 2021, 11, 1399.	4.0	2
77	Functional expression of an echinocandin B deacylase from <i>Actinoplanes utahensis</i> in <i>Escherichia coli</i> . <i>International Journal of Biological Macromolecules</i> , 2021, 187, 850-857.	7.5	3
78	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
79	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
80	Fed-in-situ biological reduction treatment of food waste via high-temperature-resistant oil degrading microbial consortium. <i>Bioresource Technology</i> , 2021, 340, 125635.	9.6	21
81	Efficient biosynthesis of L-cyanocyclohexaneacetic acid using a highly soluble nitrilase by N-terminus modification of novel peptide tags. <i>Biochemical Engineering Journal</i> , 2021, 176, 108207.	3.6	3
82	Biological synthesis of nicotinamide mononucleotide. <i>Biotechnology Letters</i> , 2021, 43, 2199-2208.	2.2	16
83	Biosynthesis of l-phosphinothricin with enzymes from chromosomal integrated expression in <i>E. coli</i> . <i>3 Biotech</i> , 2021, 11, 477.	2.2	1
84	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
85	Immobilization of <i>Escherichia coli</i> cells harboring a nitrilase with improved catalytic properties through polyethylenimine-induced silicification on zeolite. <i>International Journal of Biological Macromolecules</i> , 2021, 193, 1362-1370.	7.5	3
86	Recent advancements in enzyme engineering via site-specific incorporation of unnatural amino acids. <i>World Journal of Microbiology and Biotechnology</i> , 2021, 37, 213.	3.6	4
87	Efficient separation of l-phosphinothricin from enzymatic reaction solution using cation-exchange resin. <i>Separation Science and Technology</i> , 2020, 55, 779-787.	2.5	4
88	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
89	Semi-rational engineering of a <i>Kluyveromyces lactis</i> aldo-keto reductase KlAKR for improved catalytic efficiency towards t-butyl 6-cyano-(3R, 5R)-dihydroxyhexanoate. <i>Enzyme and Microbial Technology</i> , 2020, 132, 109413.	3.2	10
90	Recent advances in the improvement of enzyme thermostability by structure modification. <i>Critical Reviews in Biotechnology</i> , 2020, 40, 83-98.	9.0	145

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91	Production of <i>tert</i> -butyl (3 <i>R</i> ,5 <i>S</i>)-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
92	Development of a robust nitrilase by fragment swapping and semi-rational design for efficient biosynthesis of pregabalin precursor. <i>Biotechnology and Bioengineering</i> , 2020, 117, 318-329.	3.3	24
93	Purification of (S)-3-cyano-5-methylhexanoic acid from bioconversion broth using an acetone/ammonium sulfate aqueous two-phase system. <i>Process Biochemistry</i> , 2020, 89, 186-192.	3.7	6
94	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
95	Efficient synthesis of L-phosphinothricin using a novel aminoacylase mined from <i>Stenotrophomonas maltophilia</i> . <i>Enzyme and Microbial Technology</i> , 2020, 135, 109493.	3.2	18
96	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
97	Enhancing Catalytic Efficiency of an <i>Actinoplanes utahensis</i> Echinocandin B Deacylase through Random Mutagenesis and Site-Directed Mutagenesis. <i>Applied Biochemistry and Biotechnology</i> , 2020, 190, 1257-1270.	2.9	1
98	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
99	Transcriptome analysis of <i>Actinoplanes utahensis</i> reveals molecular signature of saccharide impact on acarbose biosynthesis. <i>3 Biotech</i> , 2020, 10, 473.	2.2	4
100	Co-evolution of activity and thermostability of an aldo-keto reductase KmAKR for asymmetric synthesis of statin precursor dichiral diols. <i>Bioorganic Chemistry</i> , 2020, 103, 104228.	4.1	16
101	Light-driven deracemization of phosphinothricin by engineered fatty acid photodecarboxylase on a gram scale. <i>Green Chemistry</i> , 2020, 22, 6815-6818.	9.0	28
102	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
103	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
104	Breeding of <i>Gluconobacter oxydans</i> with high PQQ-dependent D-sorbitol dehydrogenase for improvement of 6-(N-hydroxyethyl)-amino-6-deoxy-1 <i>L</i> -sorbofuranose production. <i>Biochemical Engineering Journal</i> , 2020, 161, 107642.	3.6	9
105	Combinational expression of D-sorbitol dehydrogenase and pyrroloquinoline quinone increases 6-(N-hydroxyethyl)-amino-6-deoxy-1 <i>L</i> -sorbofuranose production by <i>Gluconobacter oxydans</i> through cofactor manipulation. <i>Enzyme and Microbial Technology</i> , 2020, 141, 109670.	3.2	9
106	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
107	Creation of a robust and R-selective 1% _o -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
108	Efficient degradation of ivermectin by newly isolated <i>Aeromonas taiwanensis</i> ZJB-18,044. <i>Biodegradation</i> , 2020, 31, 275-288.	3.0	6

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109	Multiplex Design of the Metabolic Network for Production of L-Homoserine in Escherichia coli. Applied and Environmental Microbiology, 2020, 86, .	3.1	25
110	Proteome sequencing and analysis of Ophiocordyceps sinensis at different culture periods. BMC Genomics, 2020, 21, 886.	2.8	5
111	Highly Efficient Chemoenzymatic Synthesis of L-Phosphinothricin from N-Phenylacetyl-d,l-phosphinothricin by a Robust Immobilized Amidase. Journal of Agricultural and Food Chemistry, 2020, 68, 14549-14554.	5.2	3
112	Repeated production of 6-(N-hydroxyethyl)-amino-6-deoxy-L-sorbofuranose by immobilized Gluconobacter oxydans cells with a strategy of in situ exhaustive cell regeneration. Bioprocess and Biosystems Engineering, 2020, 43, 1781-1789.	3.4	4
113	Amidase as a versatile tool in amide-bond cleavage: From molecular features to biotechnological applications. Biotechnology Advances, 2020, 43, 107574.	11.7	39
114	Enhancement of gibberellic acid production from Fusarium fujikuroi by mutation breeding and glycerol addition. 3 Biotech, 2020, 10, 312.	2.2	6
115	Expression and characterization of a CALB-type lipase from Sporisorium reilianum SRZ2 and its potential in short-chain flavor ester synthesis. Frontiers of Chemical Science and Engineering, 2020, 14, 868-879.	4.4	6
116	Production of (R)-2-(4-hydroxyphenoxy) propionic acid by Beauveria bassiana ZJB16007 in solid state fermentation using rice bran. Preparative Biochemistry and Biotechnology, 2020, 50, 781-787.	1.9	2
117	Upscale production of (R)-mandelic acid with a stereospecific nitrilase in an aqueous system. Bioprocess and Biosystems Engineering, 2020, 43, 1299-1307.	3.4	10
118	Screening of Fungi Isolates for C-4 Hydroxylation of R-2-Phenoxypropionic Acid Based on a Novel 96-Well Microplate Assay Method. Applied Biochemistry and Biotechnology, 2020, 192, 42-56.	2.9	1
119	The Gibberellin Producer Fusarium fujikuroi: Methods and Technologies in the Current Toolkit. Frontiers in Bioengineering and Biotechnology, 2020, 8, 232.	4.1	29
120	Purification and Biochemical Characterization of a Tyrosine Phenol-lyase from Morganella morgani. Applied Biochemistry and Biotechnology, 2020, 192, 71-84.	2.9	4
121	Mutagenesis of echinocandin B overproducing Aspergillus nidulans capable of using starch as main carbon source. Preparative Biochemistry and Biotechnology, 2020, 50, 745-752.	1.9	17
122	Immobilization of Multi-Enzymes on Support Materials for Efficient Biocatalysis. Frontiers in Bioengineering and Biotechnology, 2020, 8, 660.	4.1	69
123	Rational design of halohydrin dehalogenase for efficient chiral epichlorohydrin production with high activity and enantioselectivity in aqueous-organic two-phase system. Biochemical Engineering Journal, 2020, 161, 107708.	3.6	3
124	Effects of methyl oleate and microparticle-enhanced cultivation on echinocandin B fermentation titer. Bioprocess and Biosystems Engineering, 2020, 43, 2009-2015.	3.4	11
125	Enhancement of protoplast preparation and regeneration of Hirsutella sinensis based on process optimization. Biotechnology Letters, 2020, 42, 2357-2366.	2.2	7
126	Fluorescence-based high-throughput screening system for R-α-transaminase engineering and its substrate scope extension. Applied Microbiology and Biotechnology, 2020, 104, 2999-3009.	3.6	19

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127	Integrated bioinformatics analyses identified SCL3-induced regulatory network in Arabidopsis thaliana roots. <i>Biotechnology Letters</i> , 2020, 42, 1019-1033.	2.2	6
128	Tuning amino acid dehydrogenases with featured sequences for L-phosphinothricin synthesis by reductive amination. <i>Journal of Biotechnology</i> , 2020, 312, 35-43.	3.8	25
129	Effect of dissolved oxygen on L-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
130	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
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