

Dong-Zhi Wei

List of Publications by Year in descending order

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235
papers

4,171
citations

136950

32
h-index

223800

46
g-index

245
all docs

245
docs citations

245
times ranked

4059
citing authors

#	ARTICLE	IF	CITATIONS
1	The yeast peroxisome: A dynamic storage depot and subcellular factory for squalene overproduction. <i>Metabolic Engineering</i> , 2020, 57, 151-161.	7.0	141
2	Characterization and engineering of 3-ketosteroid- Δ^3 -1-dehydrogenase and 3-ketosteroid-9 Δ -hydroxylase in <i>Mycobacterium neoaurum</i> ATCC 25795 to produce 9 Δ -hydroxy-4-androstene-3,17-dione through the catabolism of sterols. <i>Metabolic Engineering</i> , 2014, 24, 181-191.	7.0	106
3	Identification and engineering of cholesterol oxidases involved in the initial step of sterols catabolism in <i>Mycobacterium neoaurum</i> . <i>Metabolic Engineering</i> , 2013, 15, 75-87.	7.0	84
4	The Important Role of Halogen Bond in Substrate Selectivity of Enzymatic Catalysis. <i>Scientific Reports</i> , 2016, 6, 34750.	3.3	81
5	Fe ³⁺ -induced oxidation and coordination cross-linking in catechol-chitosan hydrogels under acidic pH conditions. <i>RSC Advances</i> , 2015, 5, 37377-37384.	3.6	78
6	Unraveling and engineering the production of 23,24-bisnorcholesterol in sterol metabolism. <i>Scientific Reports</i> , 2016, 6, 21928.	3.3	71
7	The transcription factor ACE3 controls cellulase activities and lactose metabolism via two additional regulators in the fungus <i>Trichoderma reesei</i> . <i>Journal of Biological Chemistry</i> , 2019, 294, 18435-18450.	3.4	66
8	Artificial Multienzyme Supramolecular Device: Highly Ordered Self-Assembly of Oligomeric Enzymes In Vitro and In Vivo. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 14027-14030.	13.8	64
9	Antihypertensive Effects, Molecular Docking Study, and Isothermal Titration Calorimetry Assay of Angiotensin I-Converting Enzyme Inhibitory Peptides from <i>Chlorella vulgaris</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 1359-1368.	5.2	64
10	A novel esterase from a marine mud metagenomic library for biocatalytic synthesis of short-chain flavor esters. <i>Microbial Cell Factories</i> , 2016, 15, 41.	4.0	61
11	Metabolic engineering of <i>Pichia pastoris</i> for the production of dammarenediol-II. <i>Journal of Biotechnology</i> , 2015, 216, 47-55.	3.8	53
12	Mn ²⁺ modulates the expression of cellulase genes in <i>Trichoderma reesei</i> Rut-C30 via calcium signaling. <i>Biotechnology for Biofuels</i> , 2018, 11, 54.	6.2	51
13	Enhanced cellulase production in <i>Trichoderma reesei</i> RUT C30 via constitution of minimal transcriptional activators. <i>Microbial Cell Factories</i> , 2018, 17, 75.	4.0	51
14	Metabolic compartmentalization in yeast mitochondria: Burden and solution for squalene overproduction. <i>Metabolic Engineering</i> , 2021, 68, 232-245.	7.0	51
15	Strategy for the Improvement of Prodigiosin Production by a <i>Serratia marcescens</i> Mutant through Fed-Batch Fermentation. <i>World Journal of Microbiology and Biotechnology</i> , 2005, 21, 969-972.	3.6	47
16	Functional expression of a novel Δ -amylase from Antarctic psychrotolerant fungus for baking industry and its magnetic immobilization. <i>BMC Biotechnology</i> , 2017, 17, 22.	3.3	47
17	One-step purification and immobilization of his-tagged protein via Ni ²⁺ -functionalized Fe ₃ O ₄ @polydopamine magnetic nanoparticles. <i>Biotechnology and Bioprocess Engineering</i> , 2015, 20, 901-907.	2.6	46
18	Triosephosphate isomerase 1 suppresses growth, migration and invasion of hepatocellular carcinoma cells. <i>Biochemical and Biophysical Research Communications</i> , 2017, 482, 1048-1053.	2.1	44

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19	Metabolic Engineering of <i>Saccharomyces cerevisiae</i> To Overproduce Squalene. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 2132-2138.	5.2	43
20	Engineering of <i>Trichoderma reesei</i> for enhanced degradation of lignocellulosic biomass by truncation of the cellulase activator ACE3. <i>Biotechnology for Biofuels</i> , 2020, 13, 62.	6.2	43
21	Enhancement of the activity of enzyme immobilized on polydopamine-coated iron oxide nanoparticles by rational orientation of formate dehydrogenase. <i>Journal of Biotechnology</i> , 2014, 188, 36-41.	3.8	41
22	Low-cost mussel inspired poly(Catechol/Polyamine) modified magnetic nanoparticles as a versatile platform for enhanced activity of immobilized enzyme. <i>International Journal of Biological Macromolecules</i> , 2019, 128, 814-824.	7.5	41
23	Enhanced acetoin production by <i>Serratia marcescens</i> H32 using statistical optimization and a two-stage agitation speed control strategy. <i>Biotechnology and Bioprocess Engineering</i> , 2012, 17, 598-605.	2.6	40
24	Improving the production of 22-hydroxy-23,24-bisnorcholesterol-3-one from sterols in <i>Mycobacterium neoaurum</i> by increasing cell permeability and modifying multiple genes. <i>Microbial Cell Factories</i> , 2017, 16, 89.	4.0	39
25	Interaction of naphthyl heterocycles with DNA: effects of thiono and thio groups. <i>Perkin Transactions II RSC</i> , 2000, , 715-718.	1.1	38
26	EXTRACTION OF ACETOIN FROM FERMENTATION BROTH USING AN ACETONE/PHOSPHATE AQUEOUS TWO-PHASE SYSTEM. <i>Chemical Engineering Communications</i> , 2012, 199, 1492-1503.	2.6	37
27	Light-inducible genetic engineering and control of non-homologous end-joining in industrial eukaryotic microorganisms: LML 3.0 and OFN 1.0. <i>Scientific Reports</i> , 2016, 6, 20761.	3.3	37
28	Cloning and characterisation of a novel neoagarotetraose-forming- β -D-galactosidase, AgWH50A from <i>Agarivorans gilvus</i> WHO801. <i>Carbohydrate Research</i> , 2014, 388, 147-151.	2.3	36
29	Process Development for the Production of (R)-(α)-Mandelic Acid by Recombinant <i>Escherichia coli</i> Cells Harboring Nitrilase from <i>Burkholderia cenocepacia</i> J2315. <i>Organic Process Research and Development</i> , 2015, 19, 2012-2016.	2.7	35
30	Enhancement of cellulase production in <i>Trichoderma reesei</i> RUT-C30 by comparative genomic screening. <i>Microbial Cell Factories</i> , 2019, 18, 81.	4.0	35
31	Effects of ethylene glycol on the synthesis of ampicillin using immobilized penicillin G acylase. <i>Journal of Chemical Technology and Biotechnology</i> , 2003, 78, 431-436.	3.2	34
32	Overexpression of membrane-bound gluconate-2-dehydrogenase to enhance the production of 2-keto-D-gluconic acid by <i>Gluconobacter oxydans</i> . <i>Microbial Cell Factories</i> , 2016, 15, 121.	4.0	34
33	Role Identification and Application of SigD in the Transformation of Soybean Phytosterol to 9 β -Hydroxy-4-androstene-3,17-dione in <i>Mycobacterium neoaurum</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 626-631.	5.2	34
34	Enhanced production of heterologous proteins by the filamentous fungus <i>Trichoderma reesei</i> via disruption of the alkaline serine protease SPW combined with a pH control strategy. <i>Plasmid</i> , 2014, 71, 16-22.	1.4	33
35	Significantly Enhanced Production of Patchoulol in Metabolically Engineered <i>Saccharomyces cerevisiae</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 8590-8598.	5.2	32
36	Improving the Expression of Recombinant Proteins in <i>E. coli</i> BL21 (DE3) under Acetate Stress: An Alkaline pH Shift Approach. <i>PLoS ONE</i> , 2014, 9, e112777.	2.5	32

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37	Enhancing the bioconversion of phytosterols to steroidal intermediates by the deficiency of <i>kasB</i> in the cell wall synthesis of <i>Mycobacterium neoaurum</i> . <i>Microbial Cell Factories</i> , 2020, 19, 80.	4.0	31
38	Combined cross-linked enzyme aggregates (combi-CLEAs) for efficient integration of a ketoreductase and a cofactor regeneration system. <i>Journal of Biotechnology</i> , 2014, 184, 7-10.	3.8	30
39	Towards the computational design and engineering of enzyme enantioselectivity: A case study by a carbonyl reductase from <i>Gluconobacter oxydans</i> . <i>Journal of Biotechnology</i> , 2016, 217, 31-40.	3.8	30
40	Enhanced itaconic acid production by self-assembly of two biosynthetic enzymes in <i>Escherichia coli</i> . <i>Biotechnology and Bioengineering</i> , 2017, 114, 457-462.	3.3	30
41	Identification of novel thermostable taurine-pyruvate transaminase from <i>Geobacillus thermodenitrificans</i> for chiral amine synthesis. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 3101-3111.	3.6	29
42	Manufacturing Multienzymatic Complex Reactors <i>In Vivo</i> by Self-Assembly To Improve the Biosynthesis of Itaconic Acid in <i>Escherichia coli</i> . <i>ACS Synthetic Biology</i> , 2018, 7, 1244-1250.	3.8	29
43	Engineered 3-Ketosteroid 9 α -Hydroxylases in <i>Mycobacterium neoaurum</i> : an Efficient Platform for Production of Steroid Drugs. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	3.1	29
44	High-Level Production of Sesquiterpene Patchoulol in <i>Saccharomyces cerevisiae</i> . <i>ACS Synthetic Biology</i> , 2021, 10, 158-172.	3.8	29
45	<i>Lactobacillus curieae</i> sp. nov., isolated from stinky tofu brine. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2013, 63, 2501-2505.	1.7	28
46	Autotransporter domain-dependent enzymatic analysis of a novel extremely thermostable carboxylesterase with high biodegradability towards pyrethroid pesticides. <i>Scientific Reports</i> , 2017, 7, 3461.	3.3	27
47	Characterization of a Putative Stereoselective Oxidoreductase from <i>Gluconobacter oxydans</i> and Its Application in Producing Ethyl (R)-4-Chloro-3-Hydroxybutanoate Ester. <i>Molecular Biotechnology</i> , 2014, 56, 285-295.	2.4	26
48	Cell-penetrating and endoplasmic reticulum-targeting TAT-GLA24-KDEL fusion protein induces tumor apoptosis. <i>Journal of Cellular Physiology</i> , 2016, 231, 84-93.	4.1	26
49	A novel cold-adapted type I pullulanase of <i>Paenibacillus polymyxa</i> Nws-pp2: in vivo functional expression and biochemical characterization of glucans hydrolyzates analysis. <i>BMC Biotechnology</i> , 2015, 15, 96.	3.3	25
50	Quantification of doxorubicin and validation of reversal effect of tea polyphenols on multidrug resistance in human carcinoma cells. <i>Biotechnology Letters</i> , 2003, 25, 291-294.	2.2	24
51	Identification of a novel promoter gHp0169 for gene expression in <i>Gluconobacter oxydans</i> . <i>Journal of Biotechnology</i> , 2014, 175, 69-74.	3.8	24
52	Protein Engineering of a Nitrilase from <i>Burkholderia cenocepacia</i> J2315 for Efficient and Enantioselective Production of (R)- α -Chloromandelic Acid. <i>Applied and Environmental Microbiology</i> , 2015, 81, 8469-8477.	3.1	24
53	Investigation of factors affecting biotransformation of phytosterols to 9-hydroxyandrost-4-ene-3,17-dione based on the HP- β -CD-resting cells reaction system. <i>Biocatalysis and Biotransformation</i> , 2014, 32, 343-347.	2.0	23
54	A computational strategy for altering an enzyme in its cofactor preference to $\text{NAD}^+(\text{H})$ and/or $\text{NADP}^+(\text{H})$. <i>FEBS Journal</i> , 2015, 282, 2339-2351.	4.7	23

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55	Identification of a yeast old yellow enzyme for highly enantioselective reduction of citral isomers to (R)-citronellal. <i>Bioresources and Bioprocessing</i> , 2018, 5, .	4.2	23
56	Construction of enhanced transcriptional activators for improving cellulase production in <i>Trichoderma reesei</i> RUT C30. <i>Bioresources and Bioprocessing</i> , 2018, 5, 40.	4.2	23
57	Characterization and engineering control of the effects of reactive oxygen species on the conversion of sterols to steroid synthons in <i>Mycobacterium neoaurum</i> . <i>Metabolic Engineering</i> , 2019, 56, 97-110.	7.0	23
58	Efficient kinetic resolution of phenyl glycidyl ether by a novel epoxide hydrolase from <i>Tsukamurella paurometabola</i> . <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 9511-9521.	3.6	22
59	Metagenomic sequencing reveals microbial gene catalogue of phosphinothricin-utilized soils in South China. <i>Gene</i> , 2019, 711, 143942.	2.2	22
60	Overexpression of glycerol dehydrogenase and 1,3-propanediol oxidoreductase in <i>Klebsiella pneumoniae</i> and their effects on conversion of glycerol into 1,3-propanediol in resting cell system. <i>Journal of Chemical Technology and Biotechnology</i> , 2009, 84, 626-632.	3.2	21
61	Design and evaluation of a phospholipase D based drug delivery strategy of novel phosphatidyl-prodrug. <i>Biomaterials</i> , 2017, 131, 1-14.	11.4	21
62	N,N-dimethylformamide induces cellulase production in the filamentous fungus <i>Trichoderma reesei</i> . <i>Biotechnology for Biofuels</i> , 2019, 12, 36.	6.2	21
63	A Newly Isolated <i>Penicillium oxalicum</i> 16 Cellulase with High Efficient Synergism and High Tolerance of Monosaccharide. <i>Applied Biochemistry and Biotechnology</i> , 2016, 178, 173-183.	2.9	20
64	Integrated Transcriptome and Proteome Studies Reveal the Underlying Mechanisms for Sterol Catabolism and Steroid Production in <i>Mycobacterium neoaurum</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 9147-9157.	5.2	20
65	Efficient Asymmetric Synthesis of Ethyl (S)-4-Chloro-3-hydroxybutyrate Using Alcohol Dehydrogenase ADH31 with High Tolerance of Substrate and Product in a Monophasic Aqueous System. <i>Organic Process Research and Development</i> , 2020, 24, 1068-1076.	2.7	20
66	<i>Trichoderma reesei</i> ACE4, a Novel Transcriptional Activator Involved in the Regulation of Cellulase Genes during Growth on Cellulose. <i>Applied and Environmental Microbiology</i> , 2021, 87, e0059321.	3.1	20
67	Engineering <i>Saccharomyces cerevisiae</i> for Hyperproduction of Î ² -Amyrin by Mitigating the Inhibition Effect of Squalene on Î ² -Amyrin Synthase. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 229-237.	5.2	20
68	A light-switchable bidirectional expression system in filamentous fungus <i>Trichoderma reesei</i> . <i>Journal of Biotechnology</i> , 2016, 240, 85-93.	3.8	19
69	RNA-Seq analysis uncovers non-coding small RNA system of <i>Mycobacterium neoaurum</i> in the metabolism of sterols to accumulate steroid intermediates. <i>Microbial Cell Factories</i> , 2016, 15, 64.	4.0	19
70	Molecular cloning and expression of a new Î±-neogagarobiose hydrolase from <i>Agarivorans gilvus</i> WH0801 and enzymatic production of 3,6-anhydro-β-galactose. <i>Biotechnology and Applied Biochemistry</i> , 2016, 63, 230-237.	3.1	19
71	Switching a nitrilase from <i>Syechocystis</i> sp. PCC6803 to a nitrile hydratase by rationally regulating reaction pathways. <i>Catalysis Science and Technology</i> , 2017, 7, 1122-1128.	4.1	19
72	Second-Generation Engineering of a Thermostable Transketolase (TK _{Gst}) for Aliphatic Aldehyde Acceptors with Either Improved or Reversed Stereoselectivity. <i>ChemBioChem</i> , 2017, 18, 455-459.	2.6	19

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73	Dipeptidyl peptidase IV inhibitory peptides from <i>Chlorella vulgaris</i> : in silico gastrointestinal hydrolysis and molecular mechanism. <i>European Food Research and Technology</i> , 2017, 243, 1739-1748.	3.3	19
74	N-Terminal Domain Truncation and Domain Insertion-Based Engineering of a Novel Thermostable Type I Pullulanase from <i>Geobacillus thermocatenulatus</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 10788-10798.	5.2	19
75	Efficient asymmetric synthesis of chiral alcohols using high 2-propanol tolerance alcohol dehydrogenase <i>Sm</i> ADH2 via an environmentally friendly TBCR system. <i>Catalysis Science and Technology</i> , 2020, 10, 70-78.	4.1	19
76	Improving the biotransformation of phytosterols to 9 β -hydroxy-4-androstene-3,17-dione by deleting embC associated with the assembly of cell envelope in <i>Mycobacterium neoaurum</i> . <i>Journal of Biotechnology</i> , 2020, 323, 341-346.	3.8	19
77	Novel Application of Magnetic Protein: Convenient One-Step Purification and Immobilization of Proteins. <i>Scientific Reports</i> , 2017, 7, 13329.	3.3	18
78	One-step production of 2,3-butanediol from starch by secretory overexpression of amylase in <i>Klebsiella pneumoniae</i> . <i>Journal of Chemical Technology and Biotechnology</i> , 2008, 83, 1409-1412.	3.2	17
79	Engineered Expression Vectors Significantly Enhanced the Production of 2-Keto-d-gluconic Acid by <i>Gluconobacter oxidans</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 5492-5498.	5.2	17
80	Carbonyl reductase identification and development of whole-cell biotransformation for highly efficient synthesis of (R)-[3,5-bis(trifluoromethyl)phenyl] ethanol. <i>Microbial Cell Factories</i> , 2016, 15, 191.	4.0	17
81	Effect of yeast extract on the expression of thioredoxin-human parathyroid hormone from recombinant <i>Escherichia coli</i> . <i>Journal of Chemical Technology and Biotechnology</i> , 2006, 81, 1866-1871.	3.2	16
82	<i>Carica papaya</i> Lipase Catalysed Resolution of β -Amino Esters for the Highly Enantioselective Synthesis of (S)-Dapoxetine. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 557-565.	2.4	16
83	Gigantoxin-4-4D5 scFv is a novel recombinant immunotoxin with specific toxicity against HER2/neu-positive ovarian carcinoma cells. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 6403-6413.	3.6	16
84	Use of transcription activator-like effector for efficient gene modification and transcription in the filamentous fungus <i>Trichoderma reesei</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , 2017, 44, 1367-1373.	3.0	16
85	Metabolic engineering of an industrial <i>Aspergillus niger</i> strain for itaconic acid production. <i>3 Biotech</i> , 2020, 10, 113.	2.2	16
86	cAMP activates calcium signalling via phospholipase C to regulate cellulase production in the filamentous fungus <i>Trichoderma reesei</i> . <i>Biotechnology for Biofuels</i> , 2021, 14, 62.	6.2	16
87	The effects of angiotensin I-converting enzyme inhibitory peptide VGINYW and the hydrolysate of β -lactalbumin on blood pressure, oxidative stress and gut microbiota of spontaneously hypertensive rats. <i>Food and Function</i> , 2022, 13, 2743-2755.	4.6	16
88	Chemical Fingerprint and Quantitative Analysis of <i>Cirsium setosum</i> by LC. <i>Chromatographia</i> , 2009, 70, 125-131.	1.3	15
89	Lipases in the castor bean seed of Chinese varieties: Activity comparison, purification and characterization. <i>Journal of Shanghai University</i> , 2010, 14, 137-144.	0.1	15
90	Functions of membrane-bound alcohol dehydrogenase and aldehyde dehydrogenase in the bio-oxidation of alcohols in <i>Gluconobacter oxydans</i> DSM 2003. <i>Biotechnology and Bioengineering</i> , 2012, 17, 1156-1164.	2.6	15

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91	Characterization and identification of three novel aldo-keto reductases from <i>Lodderomyces elongisporus</i> for reducing ethyl 4-chloroacetoacetate. <i>Archives of Biochemistry and Biophysics</i> , 2014, 564, 219-228.	3.0	15
92	Light-mediated control of gene expression in filamentous fungus <i>Trichoderma reesei</i> . <i>Journal of Microbiological Methods</i> , 2014, 103, 37-39.	1.6	15
93	Efficient cascade synthesis of ampicillin from penicillin G potassium salt using wild and mutant penicillin G acylase from <i>Alcaligenes faecalis</i> . <i>Journal of Biotechnology</i> , 2016, 219, 142-148.	3.8	15
94	Enhancement of 9 β -Hydroxy-4-androstene-3,17-dione Production from Soybean Phytosterols by Deficiency of a Regulated Intramembrane Proteolysis Metalloprotease in <i>Mycobacterium neoaurum</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 10520-10525.	5.2	15
95	A versatile <i>Trichoderma reesei</i> expression system for the production of heterologous proteins. <i>Biotechnology Letters</i> , 2018, 40, 965-972.	2.2	15
96	Identification and magnetic immobilization of a pyrophilous aspartic protease from Antarctic psychrophilic fungus. <i>Journal of Food Biochemistry</i> , 2018, 42, e12691.	2.9	15
97	Identification of the enzymes responsible for 3-hydroxypropionic acid formation and their use in improving 3-hydroxypropionic acid production in <i>Gluconobacter oxydans</i> DSM 2003. <i>Bioresource Technology</i> , 2018, 265, 328-333.	9.6	15
98	Increasing L-homoserine production in <i>Escherichia coli</i> by engineering the central metabolic pathways. <i>Journal of Biotechnology</i> , 2020, 314-315, 1-7.	3.8	15
99	Partitioning behaviour of cephalixin and 7-aminodeacetoxycephalosporanic acid in PEG/ammonium sulfate aqueous two-phase systems. <i>Journal of Chemical Technology and Biotechnology</i> , 2001, 76, 1194-1200.	3.2	14
100	Functional display of <i>Rhizomucor miehei</i> lipase on surface of <i>Saccharomyces cerevisiae</i> with higher activity and its practical properties. <i>Journal of Chemical Technology and Biotechnology</i> , 2008, 83, 329-335.	3.2	14
101	Establishment of a Fingerprint of Raspberries by LC. <i>Chromatographia</i> , 2009, 70, 981-985.	1.3	14
102	Efficient hydration of 2-amino-2,3-dimethylbutyronitrile to 2-amino-2,3-dimethylbutyramide in a biphasic system via an easily prepared whole-cell biocatalyst. <i>Green Chemistry</i> , 2015, 17, 3992-3999.	9.0	14
103	Cloning, expression, and characterization of an anti-Prelog stereospecific carbonyl reductase from <i>Gluconobacter oxydans</i> DSM2343. <i>Enzyme and Microbial Technology</i> , 2015, 70, 18-27.	3.2	14
104	Novel β -Arabinofuranosidase from <i>Cellulomonas fimi</i> ATCC 484 and Its Substrate-Specificity Analysis with the Aid of Computer. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 3725-3733.	5.2	14
105	Practical two-step synthesis of enantiopure styrene oxide through an optimized chemoenzymatic approach. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 8757-8767.	3.6	14
106	Fe ³⁺ -induced bioinspired chitosan hydrogels for the sustained and controlled release of doxorubicin. <i>RSC Advances</i> , 2016, 6, 47940-47947.	3.6	14
107	Cinnamyl Esters Synthesis By Lipase-Catalyzed Transesterification in a Non-Aqueous System. <i>Catalysis Letters</i> , 2017, 147, 946-952.	2.6	14
108	A novel nitrilase from <i>Ralstonia eutropha</i> H16 and its application to nicotinic acid production. <i>Bioprocess and Biosystems Engineering</i> , 2017, 40, 1271-1281.	3.4	14

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109	Biochemical Characterization of a Novel Thermostable Type I Pullulanase Produced Recombinantly in <i>Bacillus subtilis</i> . <i>Starch/Staerke</i> , 2018, 70, 1700179.	2.1	14
110	Construction and characterization of the recombinant immunotoxin RTA-4D5-KDEL targeting HER2/neu-positive cancer cells and locating the endoplasmic reticulum. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 9585-9594.	3.6	14
111	Screening novel β -galactosidases from a sequence-based metagenome and characterization of an alkaline β -galactosidase for the enzymatic synthesis of galactooligosaccharides. <i>Protein Expression and Purification</i> , 2019, 155, 104-111.	1.3	14
112	Immediate, multiplexed and sequential genome engineering facilitated by CRISPR/Cas9 in <i>Saccharomyces cerevisiae</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , 2020, 47, 83-96.	3.0	14
113	Effects of carbonyl iron powder on iron deficiency anemia and its subchronic toxicity. <i>Journal of Food and Drug Analysis</i> , 2016, 24, 746-753.	1.9	13
114	Enhancement of cell growth and glycolic acid production by overexpression of membrane-bound alcohol dehydrogenase in <i>Gluconobacter oxydans</i> DSM 2003. <i>Journal of Biotechnology</i> , 2016, 237, 18-24.	3.8	13
115	Characterization of an ene-reductase from <i>Meyerozyma guilliermondii</i> for asymmetric bioreduction of α,β -unsaturated compounds. <i>Biotechnology Letters</i> , 2016, 38, 1527-1534.	2.2	13
116	Metabolic Adaptation of <i>Mycobacterium neoaurum</i> ATCC 25795 in the Catabolism of Sterols for Producing Important Steroid Intermediates. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 12141-12150.	5.2	13
117	In vitro-in silico screening strategy and mechanism of angiotensin I-converting enzyme inhibitory peptides from β -lactalbumin. <i>LWT - Food Science and Technology</i> , 2022, 156, 112984.	5.2	13
118	Computational design of short-chain dehydrogenase Gox2181 for altered coenzyme specificity. <i>Journal of Biotechnology</i> , 2013, 167, 386-392.	3.8	12
119	Efficient enzymatic synthesis of ampicillin by mutant <i>Alcaligenes faecalis</i> penicillin G acylase. <i>Journal of Biotechnology</i> , 2015, 199, 62-68.	3.8	12
120	Recent research advancements on regioselective nitrilase: fundamental and applicative aspects. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 6393-6405.	3.6	12
121	Two-Step Bioprocess for Reducing Nucleus Degradation in Phytosterol Bioconversion by <i>Mycobacterium neoaurum</i> NwIB-R10hsd4A. <i>Applied Biochemistry and Biotechnology</i> , 2019, 188, 138-146.	2.9	12
122	Studies on a novel carbon source and cosolvent for lipase production by <i>Candida rugosa</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , 2004, 31, 133-136.	3.0	11
123	A novel saccharifying α -amylase of Antarctic psychrotolerant fungi <i>Geomyces pannorum</i> : Gene cloning, functional expression, and characterization. <i>Starch/Staerke</i> , 2016, 68, 20-28.	2.1	11
124	Enhancement of ethyl (S)-4-chloro-3-hydroxybutanoate production at high substrate concentration by in situ resin adsorption. <i>Journal of Biotechnology</i> , 2017, 251, 68-75.	3.8	11
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