

# Dong-Zhi Wei

## List of Publications by Year in descending order

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235  
papers

4,171  
citations

136885

32  
h-index

223716

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.	3.6	141
2	Characterization and engineering of 3-ketosteroid- $\Delta^3$ -1-dehydrogenase and 3-ketosteroid-9 $\Delta$ -hydroxylase in <i>Mycobacterium neoaurum</i> ATCC 25795 to produce 9 $\Delta$ -hydroxy-4-androstene-3,17-dione through the catabolism of sterols. <i>Metabolic Engineering</i> , 2014, 24, 181-191.	3.6	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.	3.6	84
4	The Important Role of Halogen Bond in Substrate Selectivity of Enzymatic Catalysis. <i>Scientific Reports</i> , 2016, 6, 34750.	1.6	81
5	Fe <sup>3+</sup> -induced oxidation and coordination cross-linking in catechol-chitosan hydrogels under acidic pH conditions. <i>RSC Advances</i> , 2015, 5, 37377-37384.	1.7	78
6	Unraveling and engineering the production of 23,24-bisnorcholesterol in sterol metabolism. <i>Scientific Reports</i> , 2016, 6, 21928.	1.6	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.	1.6	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.	7.2	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.	2.4	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.	1.9	61
11	Metabolic engineering of <i>Pichia pastoris</i> for the production of dammarenediol-II. <i>Journal of Biotechnology</i> , 2015, 216, 47-55.	1.9	53
12	Mn <sup>2+</sup> 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.	1.9	51
14	Metabolic compartmentalization in yeast mitochondria: Burden and solution for squalene overproduction. <i>Metabolic Engineering</i> , 2021, 68, 232-245.	3.6	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.	1.7	47
16	Functional expression of a novel $\Delta$ -amylase from Antarctic psychrotolerant fungus for baking industry and its magnetic immobilization. <i>BMC Biotechnology</i> , 2017, 17, 22.	1.7	47
17	One-step purification and immobilization of his-tagged protein via Ni <sup>2+</sup> -functionalized Fe <sub>3</sub> O <sub>4</sub> @polydopamine magnetic nanoparticles. <i>Biotechnology and Bioprocess Engineering</i> , 2015, 20, 901-907.	1.4	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.	1.0	44

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19	Metabolic Engineering of <i>Saccharomyces cerevisiae</i> To Overproduce Squalene. Journal of Agricultural and Food Chemistry, 2020, 68, 2132-2138.	2.4	43
20	Engineering of <i>Trichoderma reesei</i> for enhanced degradation of lignocellulosic biomass by truncation of the cellulase activator ACE3. Biotechnology for Biofuels, 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. Journal of Biotechnology, 2014, 188, 36-41.	1.9	41
22	Low-cost mussel inspired poly(Catechol/Polyamine) modified magnetic nanoparticles as a versatile platform for enhanced activity of immobilized enzyme. International Journal of Biological Macromolecules, 2019, 128, 814-824.	3.6	41
23	Enhanced acetoin production by <i>Serratia marcescens</i> H32 using statistical optimization and a two-stage agitation speed control strategy. Biotechnology and Bioprocess Engineering, 2012, 17, 598-605.	1.4	40
24	Improving the production of 22-hydroxy-23,24-bisnorcholesterol-4-ene-3-one from sterols in <i>Mycobacterium neoaurum</i> by increasing cell permeability and modifying multiple genes. Microbial Cell Factories, 2017, 16, 89.	1.9	39
25	Interaction of naphthyl heterocycles with DNA: effects of thiono and thio groups. Perkin Transactions II RSC, 2000, , 715-718.	1.1	38
26	EXTRACTION OF ACETOIN FROM FERMENTATION BROTH USING AN ACETONE/PHOSPHATE AQUEOUS TWO-PHASE SYSTEM. Chemical Engineering Communications, 2012, 199, 1492-1503.	1.5	37
27	Light-inducible genetic engineering and control of non-homologous end-joining in industrial eukaryotic microorganisms: LML 3.0 and OFN 1.0. Scientific Reports, 2016, 6, 20761.	1.6	37
28	Cloning and characterisation of a novel neoagarotetraose-forming- $\beta$ -D-galactosidase, AgWH50A from <i>Agarivorans gilvus</i> WHO801. Carbohydrate Research, 2014, 388, 147-151.	1.1	36
29	Process Development for the Production of (R)-( $\alpha$ )-Mandelic Acid by Recombinant <i>Escherichia coli</i> Cells Harboring Nitrilase from <i>Burkholderia cenocepacia</i> J2315. Organic Process Research and Development, 2015, 19, 2012-2016.	1.3	35
30	Enhancement of cellulase production in <i>Trichoderma reesei</i> RUT-C30 by comparative genomic screening. Microbial Cell Factories, 2019, 18, 81.	1.9	35
31	Effects of ethylene glycol on the synthesis of ampicillin using immobilized penicillin G acylase. Journal of Chemical Technology and Biotechnology, 2003, 78, 431-436.	1.6	34
32	Overexpression of membrane-bound gluconate-2-dehydrogenase to enhance the production of 2-keto-D-gluconic acid by <i>Gluconobacter oxydans</i> . Microbial Cell Factories, 2016, 15, 121.	1.9	34
33	Role Identification and Application of SigD in the Transformation of Soybean Phytosterol to 9 $\beta$ -Hydroxy-4-androstene-3,17-dione in <i>Mycobacterium neoaurum</i> . Journal of Agricultural and Food Chemistry, 2017, 65, 626-631.	2.4	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. Plasmid, 2014, 71, 16-22.	0.4	33
35	Significantly Enhanced Production of Patchoulol in Metabolically Engineered <i>Saccharomyces cerevisiae</i> . Journal of Agricultural and Food Chemistry, 2019, 67, 8590-8598.	2.4	32
36	Improving the Expression of Recombinant Proteins in <i>E. coli</i> BL21 (DE3) under Acetate Stress: An Alkaline pH Shift Approach. PLoS ONE, 2014, 9, e112777.	1.1	32

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37	Enhancing the bioconversion of phytosterols to steroidal intermediates by the deficiency of kasB in the cell wall synthesis of <i>Mycobacterium neoaurum</i> . <i>Microbial Cell Factories</i> , 2020, 19, 80.	1.9	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.	1.9	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.	1.9	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.	1.7	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.	1.7	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.	1.9	29
43	Engineered 3-Ketosteroid 9 $\alpha$ -Hydroxylases in <i>Mycobacterium neoaurum</i> : an Efficient Platform for Production of Steroid Drugs. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	1.4	29
44	High-Level Production of Sesquiterpene Patchoulol in <i>Saccharomyces cerevisiae</i> . <i>ACS Synthetic Biology</i> , 2021, 10, 158-172.	1.9	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.	0.8	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.	1.6	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.	1.3	26
48	Cell-penetrating and endoplasmic reticulum-locating TAT-CL $\alpha$ 24-KDEL fusion protein induces tumor apoptosis. <i>Journal of Cellular Physiology</i> , 2016, 231, 84-93.	2.0	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.	1.7	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.	1.1	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.	1.9	24
52	Protein Engineering of a Nitrilase from <i>Burkholderia cenocepacia</i> J2315 for Efficient and Enantioselective Production of (R)- $\alpha$ -Chloromandelic Acid. <i>Applied and Environmental Microbiology</i> , 2015, 81, 8469-8477.	1.4	24
53	Investigation of factors affecting biotransformation of phytosterols to 9-hydroxyandrost-4-ene-3,17-dione based on the HP- $\beta$ -CD-resting cells reaction system. <i>Biocatalysis and Biotransformation</i> , 2014, 32, 343-347.	1.1	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.	2.2	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, .	2.0	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.	2.0	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.	3.6	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.	1.7	22
59	Metagenomic sequencing reveals microbial gene catalogue of phosphinothricin-utilized soils in South China. <i>Gene</i> , 2019, 711, 143942.	1.0	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.	1.6	21
61	Design and evaluation of a phospholipase D based drug delivery strategy of novel phosphatidyl-prodrug. <i>Biomaterials</i> , 2017, 131, 1-14.	5.7	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.	1.4	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.	2.4	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.	1.3	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.	1.4	20
67	Engineering <i>Saccharomyces cerevisiae</i> for Hyperproduction of Î <sup>2</sup> -Amyrin by Mitigating the Inhibition Effect of Squalene on Î <sup>2</sup> -Amyrin Synthase. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 229-237.	2.4	20
68	A light-switchable bidirectional expression system in filamentous fungus <i>Trichoderma reesei</i> . <i>Journal of Biotechnology</i> , 2016, 240, 85-93.	1.9	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.	1.9	19
70	Molecular cloning and expression of a new Î±-neogalactose hydrolase from <i>Agarivorans gilvus</i> WH0801 and enzymatic production of 3,6-anhydro-Î±-galactose. <i>Biotechnology and Applied Biochemistry</i> , 2016, 63, 230-237.	1.4	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.	2.1	19
72	Second-Generation Engineering of a Thermostable Transketolase (TK <sub>Gst</sub> ) for Aliphatic Aldehyde Acceptors with Either Improved or Reversed Stereoselectivity. <i>ChemBioChem</i> , 2017, 18, 455-459.	1.3	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.	1.6	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.	2.4	19
75	Efficient asymmetric synthesis of chiral alcohols using high 2-propanol tolerance alcohol dehydrogenase <i>SmADH2</i> via an environmentally friendly TBCR system. <i>Catalysis Science and Technology</i> , 2020, 10, 70-78.	2.1	19
76	Improving the biotransformation of phytosterols to 9 $\beta$ -hydroxy-4-androstene-3,17-dione by deleting <i>embC</i> associated with the assembly of cell envelope in <i>Mycobacterium neoaurum</i> . <i>Journal of Biotechnology</i> , 2020, 323, 341-346.	1.9	19
77	Novel Application of Magnetic Protein: Convenient One-Step Purification and Immobilization of Proteins. <i>Scientific Reports</i> , 2017, 7, 13329.	1.6	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.	1.6	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.	2.4	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.	1.9	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.	1.6	16
82	<i>Carica papaya</i> Lipase Catalysed Resolution of Amino Esters for the Highly Enantioselective Synthesis of (S)-Dapoxetine. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 557-565.	1.2	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.	1.7	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.	1.4	16
85	Metabolic engineering of an industrial <i>Aspergillus niger</i> strain for itaconic acid production. <i>3 Biotech</i> , 2020, 10, 113.	1.1	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 $\beta$ -lactalbumin on blood pressure, oxidative stress and gut microbiota of spontaneously hypertensive rats. <i>Food and Function</i> , 2022, 13, 2743-2755.	2.1	16
88	Chemical Fingerprint and Quantitative Analysis of <i>Cirsium setosum</i> by LC. <i>Chromatographia</i> , 2009, 70, 125-131.	0.7	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.	1.4	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.	1.4	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.	0.7	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.	1.9	15
94	Enhancement of 9 $\beta$ -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.	2.4	15
95	A versatile <i>Trichoderma reesei</i> expression system for the production of heterologous proteins. <i>Biotechnology Letters</i> , 2018, 40, 965-972.	1.1	15
96	Identification and magnetic immobilization of a pyrophilous aspartic protease from Antarctic psychrophilic fungus. <i>Journal of Food Biochemistry</i> , 2018, 42, e12691.	1.2	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.	4.8	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.	1.9	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.	1.6	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.	1.6	14
101	Establishment of a Fingerprint of Raspberries by LC. <i>Chromatographia</i> , 2009, 70, 981-985.	0.7	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.	4.6	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.	1.6	14
104	Novel $\alpha$ -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.	2.4	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.	1.7	14
106	Fe <sup>3+</sup> -induced bioinspired chitosan hydrogels for the sustained and controlled release of doxorubicin. <i>RSC Advances</i> , 2016, 6, 47940-47947.	1.7	14
107	Cinnamyl Esters Synthesis By Lipase-Catalyzed Transesterification in a Non-Aqueous System. <i>Catalysis Letters</i> , 2017, 147, 946-952.	1.4	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.	1.7	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.	1.1	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.	1.7	14
111	Screening novel $\beta$ -galactosidases from a sequence-based metagenome and characterization of an alkaline $\beta$ -galactosidase for the enzymatic synthesis of galactooligosaccharides. <i>Protein Expression and Purification</i> , 2019, 155, 104-111.	0.6	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.	1.4	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.	0.9	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.	1.9	13
115	Characterization of an ene-reductase from <i>Meyerozyma guilliermondii</i> for asymmetric bioreduction of $\alpha,\beta$ -unsaturated compounds. <i>Biotechnology Letters</i> , 2016, 38, 1527-1534.	1.1	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.	2.4	13
117	In vitro-in silico screening strategy and mechanism of angiotensin I-converting enzyme inhibitory peptides from $\beta$ -lactalbumin. <i>LWT - Food Science and Technology</i> , 2022, 156, 112984.	2.5	13
118	Computational design of short-chain dehydrogenase Gox2181 for altered coenzyme specificity. <i>Journal of Biotechnology</i> , 2013, 167, 386-392.	1.9	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.	1.9	12
120	Recent research advancements on regioselective nitrilase: fundamental and applicative aspects. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 6393-6405.	1.7	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.	1.4	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.	1.4	11
123	A novel saccharifying $\alpha$ -amylase of Antarctic psychrotolerant fungi <i>Geomyces pannorum</i> : Gene cloning, functional expression, and characterization. <i>Starch/Staerke</i> , 2016, 68, 20-28.	1.1	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.	1.9	11
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