

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	CRISPR-Cas12a assisted precise genome editing of <i>Mycolicibacterium neoaurum</i> . <i>New Biotechnology</i> , 2022, 66, 61-69.	4.4	8
2	Design and engineering of whole-cell biocatalyst for efficient synthesis of (<i>R</i>)-citronellal. <i>Microbial Biotechnology</i> , 2022, 15, 1486-1498.	4.2	10
3	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
4	Improving the biotransformation efficiency of soybean phytosterols in <i>Mycolicibacterium neoaurum</i> by the combined deletion of <i>fbpC3</i> and <i>embC</i> in cell envelope synthesis. <i>Synthetic and Systems Biotechnology</i> , 2022, 7, 453-459.	3.7	9
5	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
6	Efficient Biocatalytic Synthesis of (<i>R</i>)-2-Chloro-1-(3,4-difluorophenyl)ethanol by the Short-Chain Dehydrogenase <i>PpKR8</i> from <i>Paraburkholderia phymatum</i> STM815. <i>Organic Process Research and Development</i> , 2022, 26, 278-287.	2.7	5
7	SAC-TRAIL, a novel anticancer fusion protein: expression, purification, and functional characterization. <i>Applied Microbiology and Biotechnology</i> , 2022, 106, 1511.	3.6	1
8	De novo design of a transcription factor for a progesterone biosensor. <i>Biosensors and Bioelectronics</i> , 2022, 203, 113897.	10.1	11
9	The identification and application of a robust α -transaminase with high tolerance towards substrates and isopropylamine from a directed soil metagenome. <i>Catalysis Science and Technology</i> , 2022, 12, 2162-2175.	4.1	6
10	Transformation of phytosterols into pregnatetraenedione by a combined microbial and chemical process. <i>Green Chemistry</i> , 2022, 24, 3759-3771.	9.0	8
11	Production of sesquiterpene patchoulol in mitochondrion-engineered <i>Saccharomyces cerevisiae</i> . <i>Biotechnology Letters</i> , 2022, 44, 571-580.	2.2	9
12	Overexpression of mGDH in <i>Gluconobacter oxydans</i> to improve d-xylonic acid production from corn stover hydrolysate. <i>Microbial Cell Factories</i> , 2022, 21, 35.	4.0	7
13	One-pot biosynthesis of 7β -hydroxyandrost-4-ene-3,17-dione from phytosterols by cofactor regeneration system in engineered <i>mycolicibacterium neoaurum</i> . <i>Microbial Cell Factories</i> , 2022, 21, 59.	4.0	8
14	A Self-Sustained System Spanning the Primary and Secondary Metabolism Stages to Boost the Productivity of <i>Streptomyces</i> . <i>ACS Synthetic Biology</i> , 2022, 11, 353-365.	3.8	4
15	Engineering <i>Saccharomyces cerevisiae</i> for Hyperproduction of β -Amyrin by Mitigating the Inhibition Effect of Squalene on β -Amyrin Synthase. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 229-237.	5.2	20
16	Rational hinge engineering of carboxylic acid reductase from <i>Mycobacterium smegmatis</i> enhances its catalytic efficiency in biocatalysis. <i>Biotechnology Journal</i> , 2022, 17, e2100441.	3.5	8
17	Synergistic Regulation of Metabolism by Ca^{2+} /Reactive Oxygen Species in <i>Penicillium brevicompactum</i> Improves Production of Mycophenolic Acid and Investigation of the Ca^{2+} Channel. <i>ACS Synthetic Biology</i> , 2022, 11, 273-285.	3.8	7
18	Efficient Synthesis of (<i>S</i>)-1-Boc-3-aminopiperidine in a Continuous Flow System Using α -Transaminase-Immobilized Amino-Ethylenediamine-Modified Epoxide Supports. <i>Organic Process Research and Development</i> , 2022, 26, 1351-1359.	2.7	5

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19	Identification of a novel ene reductase from <i>Pichia angusta</i> with potential application in (R)-levodione production. RSC Advances, 2022, 12, 13924-13931.	3.6	4
20	Hypolipidemic effects of the fermented soymilk with a novel <i>Lactiplantibacillus plantarum</i> strain X7021 on mice via modulating lipid metabolism and gut microbiota. International Journal of Food Science and Technology, 2022, 57, 4555-4565.	2.7	5
21	CRISPR-Cas Assisted Shotgun Mutagenesis Method for Evolutionary Genome Engineering. ACS Synthetic Biology, 2022, 11, 1958-1970.	3.8	3
22	Photocontrol of Itaconic Acid Synthesis in <i>Escherichia coli</i> . ACS Synthetic Biology, 2022, 11, 2080-2088.	3.8	11
23	High-level expression of a β -mannanase (manB) in <i>Pichia pastoris</i> GS115 for mannose production with <i>Penicillium brevicompactum</i> fermentation pretreatment of soybean meal. Bioprocess and Biosystems Engineering, 2021, 44, 549-561.	3.4	5
24	Significantly enhancing the stereoselectivity of a regioselective nitrilase for the production of (S)-3-cyano-5-methylhexanoic acid using an MM/PBSA method. Chemical Communications, 2021, 57, 931-934.	4.1	9
25	High-Level Production of Sesquiterpene Patchoulol in <i>Saccharomyces cerevisiae</i> . ACS Synthetic Biology, 2021, 10, 158-172.	3.8	29
26	The Inhibitory Effect of Cyclodextrin on Oxygen Bioavailability Is a Key Factor for the Metabolic Flux Redistribution Toward Steroid Alcohols in Phytosterol Resting Cells Bioconversion. Applied Biochemistry and Biotechnology, 2021, 193, 2443-2454.	2.9	2
27	cAMP activates calcium signalling via phospholipase C to regulate cellulase production in the filamentous fungus <i>Trichoderma reesei</i> . Biotechnology for Biofuels, 2021, 14, 62.	6.2	16
28	Switching the secondary and natural activity of Nitrilase from <i>Acidovorax facilis</i> 72 W for the efficient production of 2-picolinamide. Biotechnology Letters, 2021, 43, 1617-1624.	2.2	4
29	In Silico Rational Design and Protein Engineering of Disulfide Bridges of an α -Amylase from <i>Geobacillus</i> sp. to Improve Thermostability. Starch/Staerke, 2021, 73, 2000274.	2.1	4
30	Identification and Rational Engineering of a High Substrate-Tolerant Leucine Dehydrogenase Effective for the Synthesis of (L-tert)-Leucine. ChemCatChem, 2021, 13, 3340-3349.	3.7	11
31	<i>Trichoderma reesei</i> ACE4, a Novel Transcriptional Activator Involved in the Regulation of Cellulase Genes during Growth on Cellulose. Applied and Environmental Microbiology, 2021, 87, e0059321.	3.1	20
32	Modification of an engineered <i>Escherichia coli</i> by a combinatorial strategy to improve 3,4-dihydroxybutyric acid production. Biotechnology Letters, 2021, 43, 2035-2043.	2.2	6
33	Online bioinformatics teaching practice: Comparison of popular docking programs using $SARS-CoV-2$ spike RBD-ACE2 complex as a benchmark. Biochemistry and Molecular Biology Education, 2021, 49, 833-840.	1.2	4
34	Effect of flavorzyme-modified soy protein on the functional properties, texture and microstructure of Mozzarella cheese analogue. Journal of Food Processing and Preservation, 2021, 45, e15963.	2.0	3
35	The expression, purification, and functional evaluation of the novel tumor suppressor fusion protein IL-24-CN. Applied Microbiology and Biotechnology, 2021, 105, 7889-7898.	3.6	2
36	Engineering the large pocket of an (S)-selective transaminase for asymmetric synthesis of (S)-1-amino-1-phenylpropane. Catalysis Science and Technology, 2021, 11, 2461-2470.	4.1	7

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37	Identification and <i>in situ</i> removal of an inhibitory intermediate to develop an efficient phytosterol bioconversion process using a cyclodextrin-resting cell system. <i>RSC Advances</i> , 2021, 11, 24787-24793.	3.6	7
38	Rational engineering of <i>Acinetobacter tandoii</i> glutamate dehydrogenase for asymmetric synthesis of <i>scp</i> -homoalanine through biocatalytic cascades. <i>Catalysis Science and Technology</i> , 2021, 11, 4208-4215.	4.1	9
39	The novel repressor Rce2 competes with Ace3 to regulate cellulase gene expression in the filamentous fungus <i>Trichoderma reesei</i> . <i>Molecular Microbiology</i> , 2021, 116, 1298-1314.	2.5	7
40	Metabolic compartmentalization in yeast mitochondria: Burden and solution for squalene overproduction. <i>Metabolic Engineering</i> , 2021, 68, 232-245.	7.0	51
41	The yeast peroxisome: A dynamic storage depot and subcellular factory for squalene overproduction. <i>Metabolic Engineering</i> , 2020, 57, 151-161.	7.0	141
42	Efficient asymmetric synthesis of chiral alcohols using high 2-propanol tolerance alcohol dehydrogenase <i>Sm</i> ADH2 <i>via</i> an environmentally friendly TBCR system. <i>Catalysis Science and Technology</i> , 2020, 10, 70-78.	4.1	19
43	Nitrate Metabolism Decreases the Steroidal Alcohol Byproduct Compared with Ammonium in Biotransformation of Phytosterol to Androstenedione by <i>Mycobacterium neoaurum</i> . <i>Applied Biochemistry and Biotechnology</i> , 2020, 190, 1553-1560.	2.9	6
44	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
45	Improving the biotransformation of phytosterols to 9 α -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.	3.8	19
46	Structure-guided evolution of carbonyl reductase for efficient biosynthesis of ethyl (<i>R</i>)-2-hydroxy-4-phenylbutyrate. <i>Catalysis Science and Technology</i> , 2020, 10, 7512-7522.	4.1	5
47	A recycled batch biotransformation strategy for 22-hydroxy-23,24-bisnorcholesterol-4-ene-3-one production from high concentration of phytosterols by mycobacterial resting cells. <i>Biotechnology Letters</i> , 2020, 42, 2589-2594.	2.2	8
48	Facile One-Pot Immobilization of a Novel Thermostable Carboxylesterase from <i>Geobacillus uzoniensis</i> for Continuous Pesticide Degradation in a Packed-Bed Column Reactor. <i>Catalysts</i> , 2020, 10, 518.	3.5	5
49	Facile One-Pot Immobilization of a Novel Esterase and Its Application in Cinnamyl Acetate Synthesis. <i>Catalysis Letters</i> , 2020, 150, 2517-2528.	2.6	1
50	Functional expression of a novel methanol-stable esterase from <i>Geobacillus subterraneus</i> DSM13552 for biocatalytic synthesis of cinnamyl acetate in a solvent-free system. <i>BMC Biotechnology</i> , 2020, 20, 36.	3.3	8
51	Metabolic engineering of an industrial <i>Aspergillus niger</i> strain for itaconic acid production. <i>3 Biotech</i> , 2020, 10, 113.	2.2	16
52	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
53	Efficient Asymmetric Synthesis of Ethyl (<i>S</i>)-4-Chloro-3-hydroxybutyrate Using Alcohol Dehydrogenase <i>Sm</i> 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
54	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

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55	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
56	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
57	Characterization and rational design for substrate specificity of a prolyl endopeptidase from <i>Stenotrophomonas maltophilia</i> . <i>Enzyme and Microbial Technology</i> , 2020, 138, 109548.	3.2	6
58	Cadmium sulfide net framework nanoparticles for photo-catalyzed cell redox. <i>RSC Advances</i> , 2020, 10, 37820-37825.	3.6	4
59	Enhanced cellulase production by decreasing intercellular pH through H ⁺ -ATPase gene deletion in <i>Trichoderma reesei</i> RUT-C30. <i>Biotechnology for Biofuels</i> , 2019, 12, 195.	6.2	8
60	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
61	Enhanced conversion of sterols to steroid synthons by augmenting the peptidoglycan synthesis gene <i>pbpB</i> in <i>Mycobacterium neoaurum</i> . <i>Journal of Basic Microbiology</i> , 2019, 59, 924-935.	3.3	8
62	Immobilization of a Novel ESTBAS Esterase from <i>Bacillus altitudinis</i> onto an Epoxy Resin: Characterization and Regioselective Synthesis of Chloramphenicol Palmitate. <i>Catalysts</i> , 2019, 9, 620.	3.5	5
63	Metagenomic sequencing reveals microbial gene catalogue of phosphinothricin-utilized soils in South China. <i>Gene</i> , 2019, 711, 143942.	2.2	22
64	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
65	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
66	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
67	Recent research advancements on regioselective nitrilase: fundamental and applicative aspects. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 6393-6405.	3.6	12
68	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
69	Comparison of the expression of phospholipase D from <i>Streptomyces halstedii</i> in different hosts and its over-expression in <i>Streptomyces lividans</i> . <i>FEMS Microbiology Letters</i> , 2019, 366, .	1.8	11
70	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
71	Switching the regioselectivity of two nitrilases toward succinonitrile by mutating the active center pocket key residues through a semi-rational engineering. <i>Chemical Communications</i> , 2019, 55, 2948-2951.	4.1	7
72	Engineering diverse eubacteria promoters for robust Gene expression in <i>Streptomyces lividans</i> . <i>Journal of Biotechnology</i> , 2019, 289, 93-102.	3.8	10

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73	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
74	Screening novel Î ² -galactosidases from a sequence-based metagenome and characterization of an alkaline Î ² -galactosidase for the enzymatic synthesis of galactooligosaccharides. <i>Protein Expression and Purification</i> , 2019, 155, 104-111.	1.3	14
75	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
76	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
77	Primers and copper responsive promoter design and data of real-time RT-PCR assay in filamentous fungus <i>Trichoderma reesei</i> . <i>Data in Brief</i> , 2018, 16, 109-113.	1.0	0
78	Crius: A novel fragmentâ€¢based algorithm of <i>de novo</i> substrate prediction for enzymes. <i>Protein Science</i> , 2018, 27, 1526-1534.	7.6	0
79	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
80	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
81	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
82	Energy and conformation determine the enantioselectivity of enzyme. <i>Biochemical Engineering Journal</i> , 2018, 129, 106-112.	3.6	8
83	Recombinant Production and Characterization of SAC, the Core Domain of Par-4, by SUMO Fusion System. <i>Applied Biochemistry and Biotechnology</i> , 2018, 184, 1155-1167.	2.9	8
84	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
85	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
86	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
87	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
88	CRISPR/Cpf1 facilitated large fragment deletion in <i>Saccharomyces cerevisiae</i> . <i>Journal of Basic Microbiology</i> , 2018, 58, 1100-1104.	3.3	11
89	Cpf1-assisted efficient genomic integration of in vivo assembled DNA parts in <i>Saccharomyces cerevisiae</i> . <i>Biotechnology Letters</i> , 2018, 40, 1253-1261.	2.2	9
90	Establishment of a lowâ€¢dosageâ€¢IPTG inducible expression system construction method in <i>Escherichia coli</i> . <i>Journal of Basic Microbiology</i> , 2018, 58, 806-810.	3.3	9

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91	Integrated Transcriptome and Proteome Studies Reveal the Underlying Mechanisms for Sterol Catabolism and Steroid Production in <i>Mycobacterium neoaurum</i> . Journal of Agricultural and Food Chemistry, 2018, 66, 9147-9157.	5.2	20
92	Engineered 3-Ketosteroid Δ^1 -Hydroxylases in <i>Mycobacterium neoaurum</i> : an Efficient Platform for Production of Steroid Drugs. Applied and Environmental Microbiology, 2018, 84, .	3.1	29
93	Construction of enhanced transcriptional activators for improving cellulase production in <i>Trichoderma reesei</i> RUT C30. Bioresources and Bioprocessing, 2018, 5, 40.	4.2	23
94	Construction and characterization of the recombinant immunotoxin RTA-4D5-KDEL targeting HER2/neu-positive cancer cells and locating the endoplasmic reticulum. Applied Microbiology and Biotechnology, 2018, 102, 9585-9594.	3.6	14
95	Enhanced cellulase production in <i>Trichoderma reesei</i> RUT C30 via constitution of minimal transcriptional activators. Microbial Cell Factories, 2018, 17, 75.	4.0	51
96	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. Bioresource Technology, 2018, 265, 328-333.	9.6	15
97	Identification of an Interaction Between a Histidine Kinase Response Regulator Hybrid Protein and 2-keto-3-deoxy-D-manno-octulosonate-8- Phosphate Synthase in <i>Gluconobacter oxydans</i> . Protein and Peptide Letters, 2018, 24, 990-995.	0.9	1
98	Structural and biochemical properties of a novel pullulanase of <i>Paenibacillus lautus</i> DSM 3035. Starch/Staerke, 2017, 69, 1500333.	2.1	7
99	Functional expression of a novel Δ^1 -amylase from Antarctic psychrotolerant fungus for baking industry and its magnetic immobilization. BMC Biotechnology, 2017, 17, 22.	3.3	47
100	Cinnamyl Esters Synthesis By Lipase-Catalyzed Transesterification in a Non-Aqueous System. Catalysis Letters, 2017, 147, 946-952.	2.6	14
101	Switching a nitrilase from <i>Syechocystis</i> sp. PCC6803 to a nitrile hydratase by rationally regulating reaction pathways. Catalysis Science and Technology, 2017, 7, 1122-1128.	4.1	19
102	Enhancement of ethyl (S)-4-chloro-3-hydroxybutanoate production at high substrate concentration by in situ resin adsorption. Journal of Biotechnology, 2017, 251, 68-75.	3.8	11
103	Development of nitrilase-mediated process for phenylacetic acid production from phenylacetonitrile. Chemical Papers, 2017, 71, 1985-1992.	2.2	7
104	Triosephosphate isomerase 1 suppresses growth, migration and invasion of hepatocellular carcinoma cells. Biochemical and Biophysical Research Communications, 2017, 482, 1048-1053.	2.1	44
105	A novel nitrilase from <i>Ralstonia eutropha</i> H16 and its application to nicotinic acid production. Bioprocess and Biosystems Engineering, 2017, 40, 1271-1281.	3.4	14
106	Reversible Photocontrol of Lipase Activity by Incorporating a Photoswitch into the Lid Domain. ChemPhotoChem, 2017, 1, 393-396.	3.0	8
107	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.	4.0	39
108	Design and evaluation of a phospholipase D based drug delivery strategy of novel phosphatidyl-prodrug. Biomaterials, 2017, 131, 1-14.	11.4	21

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109	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
110	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
111	Novel Application of Magnetic Protein: Convenient One-Step Purification and Immobilization of Proteins. <i>Scientific Reports</i> , 2017, 7, 13329.	3.3	18
112	Copper-mediated on-off control of gene expression in filamentous fungus <i>Trichoderma reesei</i> . <i>Journal of Microbiological Methods</i> , 2017, 143, 63-65.	1.6	8
113	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
114	Characterization of a novel nitrilase, BGC4, from <i>Paraburkholderia graminis</i> showing wide-spectrum substrate specificity, a potential versatile biocatalyst for the degradation of nitriles. <i>Biotechnology Letters</i> , 2017, 39, 1725-1731.	2.2	11
115	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
116	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
117	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
118	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
119	Transesterification Synthesis of Chloramphenicol Esters with the Lipase from <i>Bacillus amyloliquefaciens</i> . <i>Molecules</i> , 2017, 22, 1523.	3.8	11
120	Cloning and characterization of three ketoreductases from soil metagenome for preparing optically active alcohols. <i>Biotechnology Letters</i> , 2016, 38, 1799-1808.	2.2	2
121	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
122	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
123	Efficient kinetic resolution of secondary alcohols using an organic solvent-tolerant esterase in non-aqueous medium. <i>Biotechnology Letters</i> , 2016, 38, 1165-1171.	2.2	9
124	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
125	Effective improvement of the activity of membrane-bound alcohol dehydrogenase by overexpression of adhS in <i>Gluconobacter oxydans</i> . <i>Biotechnology Letters</i> , 2016, 38, 1131-1138.	2.2	9
126	Heterologous Overexpression and Biochemical Characterization of a Nitroreductase from <i>Gluconobacter oxydans</i> 621H. <i>Molecular Biotechnology</i> , 2016, 58, 428-440.	2.4	8

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127	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
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