

Yu-guo Zheng

List of Publications by Year in descending order

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513
papers

13,255
citations

53202

45
h-index

44509

91
g-index

545
all docs

545
docs citations

545
times ranked

19887
citing authors

#	ARTICLE	IF	CITATIONS
1	A compilation of charged-particle induced thermonuclear reaction rates. Nuclear Physics A, 1999, 656, 3-183.	1.6	1,914
2	Committee report: Guidelines for human startle eyeblink electromyographic studies. Psychophysiology, 2005, 42, 1-15.	2.6	980
3	Commodity Chemicals Derived from Glycerol, an Important Biorefinery Feedstock. Chemical Reviews, 2008, 108, 5253-77.	51.4	307
4	Enzymatic asymmetric synthesis of chiral amino acids. Chemical Society Reviews, 2018, 47, 1516-1561.	40.3	291
5	Increased skeletal VEGF enhances β -catenin activity and results in excessively ossified bones. EMBO Journal, 2010, 29, 424-441.	8.2	185
6	Analytical Model for Ion Acceleration by High-Intensity Laser Pulses. Physical Review Letters, 2006, 97, 045005.	8.0	167
7	Doing Business with Strangers: Reputation in Online Service Marketplaces. Information Systems Research, 2014, 25, 865-886.	4.1	162
8	Recent advances in the improvement of enzyme thermostability by structure modification. Critical Reviews in Biotechnology, 2020, 40, 83-98.	9.4	162
9	Role of nano-selenium in health and environment. Journal of Biotechnology, 2021, 325, 152-163.	3.9	146
10	Detecting macroecological patterns in bacterial communities across independent studies of global soils. Nature Microbiology, 2018, 3, 189-196.	13.1	141
11	Properties and Production of Valienamine and Its Related Analogues. Chemical Reviews, 2003, 103, 1955-1978.	51.4	127
12	Production of Octenyl Succinic Anhydride-Modified Waxy Corn Starch and Its Characterization. Journal of Agricultural and Food Chemistry, 2008, 56, 11499-11506.	5.3	120
13	Voglibose (Basen®, AO-128), One of the Most Important α-Glucosidase Inhibitors. Current Medicinal Chemistry, 2006, 13, 109-116.	2.5	112
14	High-Yield Synthesis of Complex Gold Nanostructures in a Fungal System. Journal of Physical Chemistry C, 2007, 111, 16858-16865.	3.3	105
15	Rapidity gap cross sections measured with the ATLAS detector in pp collisions at $\sqrt{s} = 7$ mbx{~TeV}\$. European Physical Journal C, 2012, 72, 1.	4.0	102
16	Natural Products with Maleic Anhydride Structure:Â Nonadrides, Tautomycin, Chaetomellic Anhydride, and Other Compounds. Chemical Reviews, 2007, 107, 1777-1830.	51.4	99
17	Lanthanide-MOFs constructed from mixed dicarboxylate ligands as selective multi-responsive luminescent sensors. Dalton Transactions, 2018, 47, 3272-3282.	3.4	83
18	Immobilization of Multi-Enzymes on Support Materials for Efficient Biocatalysis. Frontiers in Bioengineering and Biotechnology, 2020, 8, 660.	4.2	81

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19	Differential Involvement of D1 and D2 Dopamine Receptors in L-DOPA-Induced Angiogenic Activity in a Rat Model of Parkinson's Disease. <i>Neuropsychopharmacology</i> , 2009, 34, 2477-2488.	5.6	78
20	Renal transplantation in children and adolescents: the 1992 Annual Report of the North American Pediatric Renal Transplant Cooperative Study. <i>Pediatric Nephrology</i> , 1993, 7, 711-720.	1.8	77
21	Immobilization of amidase into a magnetic hierarchically porous metal-organic framework for efficient biocatalysis. <i>Chemical Communications</i> , 2019, 55, 5697-5700.	4.2	76
22	Immobilization of Enzymes in/on Membranes and their Applications. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 5500-5515.	4.5	74
23	Clinical, pathological and functional characterization of riboflavin-responsive neuropathy. <i>Brain</i> , 2017, 140, 2820-2837.	8.0	70
24	Metabolic engineering of <i>Escherichia coli</i> for microbial production of L-methionine. <i>Biotechnology and Bioengineering</i> , 2017, 114, 843-851.	3.5	69
25	Molecular Pathology of Neuro-AIDS (CNS-HIV). <i>International Journal of Molecular Sciences</i> , 2009, 10, 1045-1063.	4.2	67
26	Bioleaching of chromium from tannery sludge by indigenous <i>Acidithiobacillus thiooxidans</i> . <i>Journal of Hazardous Materials</i> , 2007, 147, 319-324.	12.6	66
27	Laboratory Study on the Spontaneous Combustion Propensity of Lignite Undergone Heating Treatment at Low Temperature in Inert and Low-Oxygen Environments. <i>Energy & Fuels</i> , 2015, 29, 4683-4689.	5.2	65
28	Comparison of free-living and particle-associated bacterial communities in a coastal Lagoon. <i>Microbial Ecology</i> , 2003, 46, 228-237.	3.0	64
29	Therapeutic potential of AAV-mediated MMP-3 secretion from corneal endothelium in treating glaucoma. <i>Human Molecular Genetics</i> , 2017, 26, 1230-1246.	3.0	64
30	Properties and biotechnological applications of halohydrin dehalogenases: current state and future perspectives. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 9-21.	3.7	63
31	Isolation, identification and characterization of <i>Bacillus subtilis</i> ZJB-063, a versatile nitrile-converting bacterium. <i>Applied Microbiology and Biotechnology</i> , 2008, 77, 985-993.	3.7	62
32	Energy-efficient methane production from macroalgal biomass through chemo disperser liquefaction. <i>Bioresource Technology</i> , 2017, 228, 156-163.	9.7	61
33	Systematic Analysis of Bottlenecks in a Multibranched and Multilevel Regulated Pathway: The Molecular Fundamentals of L-Methionine Biosynthesis in <i>Escherichia coli</i> . <i>ACS Synthetic Biology</i> , 2018, 7, 2577-2589.	4.0	61
34	Promoter engineering strategies for the overproduction of valuable metabolites in microbes. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 8725-8736.	3.7	59
35	Improvement of <i>Alcaligenes faecalis</i> Nitrilase by Gene Site Saturation Mutagenesis and Its Application in Stereospecific Biosynthesis of (R)-(-)-Mandelic Acid. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 4685-4694.	5.3	56
36	Amidase as a versatile tool in amide-bond cleavage: From molecular features to biotechnological applications. <i>Biotechnology Advances</i> , 2020, 43, 107574.	12.0	56

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37	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.	9.7	56
38	Chain-Store Pricing Across Local Markets. <i>Journal of Economics and Management Strategy</i> , 2005, 14, 93-119.	0.7	54
39	Upscale production of ethyl (S)-4-chloro-3-hydroxybutanoate by using carbonyl reductase coupled with glucose dehydrogenase in aqueous-organic solvent system. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 2119-2129.	3.7	52
40	Biocatalysis and electrocatalysis at carbon paste electrodes doped by diaphorase-methylene green and diaphorase-meldola blue. <i>Electroanalysis</i> , 1993, 5, 201-207.	3.0	51
41	Application of CRISPRi in <i>Corynebacterium glutamicum</i> for shikimic acid production. <i>Biotechnology Letters</i> , 2016, 38, 2153-2161.	2.2	51
42	Use of glycerol for producing 1,3-dihydroxyacetone by <i>Gluconobacter oxydans</i> in an airlift bioreactor. <i>Bioresource Technology</i> , 2011, 102, 7177-7182.	9.7	49
43	Properties of a novel thermostable glucose isomerase mined from <i>Thermus oshimai</i> and its application to preparation of high fructose corn syrup. <i>Enzyme and Microbial Technology</i> , 2017, 99, 1-8.	3.3	48
44	Enantioselective hydrolysis of diethyl 3-hydroxyglutarate to ethyl (S)-3-hydroxyglutarate by immobilized <i>Candida antarctica</i> lipase B. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2010, 66, 90-94.	1.7	45
45	Search for heavy bottom-like quarks in 4.9 fb^{-1} of pp collisions at $\sqrt{s} = 7 \text{ TeV}$. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.8	45
46	Biosynthetic Pathway Analysis for Improving the Cordycepin and Cordycepic Acid Production in <i>Hirsutella sinensis</i> . <i>Applied Biochemistry and Biotechnology</i> , 2016, 179, 633-649.	3.0	45
47	Directed Evolution of Carbonyl Reductase from <i>Rhodospiridium toruloides</i> and Its Application in Stereoselective Synthesis of tert-Butyl (3R,5S)-6-Chloro-3,5-dihydroxyhexanoate. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 3721-3729.	5.3	45
48	Isolation and characterization of <i>Delftia tsuruhatensis</i> ZJB-05174, capable of R-enantioselective degradation of 2,2-dimethylcyclopropanecarboxamide. <i>Research in Microbiology</i> , 2007, 158, 258-264.	2.2	43
49	Gene Cloning, Expression, and Characterization of a Nitrilase from <i>Alcaligenes faecalis</i> ZJUTB10. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 11560-11570.	5.3	43
50	Cloning, sequencing, and expression of a novel epoxide hydrolase gene from <i>Rhodococcus opacus</i> in <i>Escherichia coli</i> and characterization of enzyme. <i>Applied Microbiology and Biotechnology</i> , 2007, 74, 99-106.	3.7	42
51	Metabolic engineering of <i>Escherichia coli</i> for d-pantothenic acid production. <i>Food Chemistry</i> , 2019, 294, 267-275.	8.4	42
52	Enantioselective biocatalytic hydrolysis of (R,S)-mandelonitrile for production of (R)-(α^*)-mandelic acid by a newly isolated mutant strain. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2011, 38, 337-345.	3.0	41
53	Gene Replacement for the Generation of Designed Novel Avermectin Derivatives with Enhanced Acaricidal and Nematicidal Activities. <i>Applied and Environmental Microbiology</i> , 2015, 81, 5326-5334.	3.2	41
54	Significant improvement of the nitrilase activity by semi-rational protein engineering and its application in the production of iminodiacetic acid. <i>International Journal of Biological Macromolecules</i> , 2018, 116, 563-571.	7.7	39

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55	A Novel Integrated Bioprocess for Efficient Production of (R)-(α)-Mandelic Acid with Immobilized <i>Alcaligenes faecalis</i> ZJUTB10. <i>Organic Process Research and Development</i> , 2013, 17, 213-220.	3.0	37
56	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.	7.7	37
57	Isolation and characterization of a novel <i>Arthrobacter nitroguajacolicus</i> ZJUTB06-99, capable of converting acrylonitrile to acrylic acid. <i>Process Biochemistry</i> , 2009, 44, 781-785.	3.8	36
58	Flow temporal reconstruction from non time-resolved data part II: practical implementation, methodology validation, and applications. <i>Experiments in Fluids</i> , 2011, 51, 861-870.	2.3	36
59	Cloning, expression and characterization of a lipase gene from the <i>Candida antarctica</i> ZJB09193 and its application in biosynthesis of vitamin A esters. <i>Microbiological Research</i> , 2012, 167, 452-460.	5.4	36
60	Separation and purification of L-methionine from <i>E. coli</i> fermentation broth by macroporous resin chromatography. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2019, 1110-1111, 108-115.	2.4	36
61	Microbial Transformation of Nitriles to High-Value Acids or Amides. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2009, 113, 33-77.	0.0	35
62	<i>Actinoplanes utahensis</i> ZJB-08196 fed-batch fermentation at elevated osmolality for enhancing acarbose production. <i>Bioresource Technology</i> , 2012, 103, 337-342.	9.7	35
63	Design of Nitrilases with Superior Activity and Enantioselectivity towards Sterically Hindered Nitrile by Protein Engineering. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 1741-1750.	4.5	35
64	Rational design of <i>Kluyveromyces marxianus</i> ZJB14056 α -keto reductase Km AKR to enhance diastereoselectivity and activity. <i>Enzyme and Microbial Technology</i> , 2017, 107, 32-40.	3.3	35
65	Engineering the residues on the surface and C-terminal region to improve thermostability of nitrilase. <i>Enzyme and Microbial Technology</i> , 2018, 113, 52-58.	3.3	35
66	Optimization of β -alanine production from β -aminopropionitrile by resting cells of <i>Rhodococcus</i> sp. G20 in a bubble column reactor using response surface methodology. <i>Process Biochemistry</i> , 2008, 43, 758-764.	3.8	34
67	Characterization of a newly synthesized epoxide hydrolase and its application in racemic resolution of (R,S)-epichlorohydrin. <i>Catalysis Communications</i> , 2011, 16, 133-139.	3.4	34
68	Preparative separation of echinocandin B from <i>Aspergillus nidulans</i> broth using macroporous resin adsorption chromatography. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2015, 978-979, 111-117.	2.4	34
69	Biosynthesis of (R)- α -epichlorohydrin at high substrate concentration by kinetic resolution of racemic epichlorohydrin with a recombinant epoxide hydrolase. <i>Engineering in Life Sciences</i> , 2013, 13, 385-392.	4.0	33
70	A novel enantioselective epoxide hydrolase from <i>Agromyces mediolanus</i> ZJB120203: Cloning, characterization and application. <i>Process Biochemistry</i> , 2014, 49, 409-417.	3.8	33
71	Light-driven deracemization of phosphinothricin by engineered fatty acid photodecarboxylase on a gram scale. <i>Green Chemistry</i> , 2020, 22, 6815-6818.	9.4	33
72	Transcriptome sequencing and analysis of the entomopathogenic fungus <i>Hirsutella sinensis</i> isolated from <i>Ophiocordyceps sinensis</i> . <i>BMC Genomics</i> , 2015, 16, 106.	2.9	32

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73	Measurement of the Drell-Yan triple-differential cross section in pp collisions at $\sqrt{s}=8$ TeV. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	4.8	32
74	The Gibberellin Producer <i>Fusarium fujikuroi</i> : Methods and Technologies in the Current Toolkit. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 232.	4.2	32
75	Daily salivary cortisol and cortisone rhythm in patients with adrenal incidentaloma. <i>Endocrine</i> , 2018, 59, 510-519.	2.3	32
76	A screening system for active and enantioselective amidase based on its acyl transfer activity. <i>Applied Microbiology and Biotechnology</i> , 2007, 74, 256-262.	3.7	31
77	Enhanced biotransformation of (R,S)-mandelonitrile to (R)-(α)-mandelic acid with in situ production removal by addition of resin. <i>Biochemical Engineering Journal</i> , 2010, 53, 143-149.	3.8	31
78	Age-related changes in the corpus callosum in early-onset bipolar disorder assessed using volumetric and cross-sectional measurements. <i>Brain Imaging and Behavior</i> , 2010, 4, 220-231.	2.1	30
79	Transcription analysis of hyaluronan biosynthesis genes in <i>Streptococcus zooepidemicus</i> and metabolically engineered <i>Lactococcus lactis</i> . <i>Applied Microbiology and Biotechnology</i> , 2012, 94, 1593-1607.	3.7	30
80	Isolation of brefeldin A from <i>Eupenicillium brefeldianum</i> broth using macroporous resin adsorption chromatography. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2012, 895-896, 146-153.	2.4	30
81	One-pot, single-step deracemization of 2-hydroxyacids by tandem biocatalytic oxidation and reduction. <i>Chemical Communications</i> , 2013, 49, 10706.	4.2	30
82	Identification and characterization of an amidase from <i>Leclercia adecarboxylata</i> for efficient biosynthesis of L-phosphinothricin. <i>Bioresource Technology</i> , 2019, 289, 121658.	9.7	30
83	Dissolved-oxygen-stat fed-batch fermentation of 1,3-dihydroxyacetone from glycerol by <i>Gluconobacter oxydans</i> ZJB09112. <i>Biotechnology and Bioprocess Engineering</i> , 2010, 15, 651-656.	2.6	29
84	Nitrite-mediated synthesis of chiral epichlorohydrin using halohydrin dehalogenase from <i>Agrobacterium radiobacter</i> AD1. <i>Biotechnology and Applied Biochemistry</i> , 2012, 59, 170-177.	3.1	29
85	Production of (R)-epichlorohydrin from 1,3-dichloro-2-propanol by two-step biocatalysis using haloalcohol dehalogenase and epoxide hydrolase in two-phase system. <i>Biochemical Engineering Journal</i> , 2013, 74, 1-7.	3.8	29
86	Immobilization of Recombinant Glucose Isomerase for Efficient Production of High Fructose Corn Syrup. <i>Applied Biochemistry and Biotechnology</i> , 2017, 183, 293-306.	3.0	29
87	Biochemical characterization of a novel tyrosine phenol-lyase from <i>Fusobacterium nucleatum</i> for highly efficient biosynthesis of L-DOPA. <i>Enzyme and Microbial Technology</i> , 2018, 112, 88-93.	3.3	29
88	Biosynthesis of chiral epichlorohydrin using an immobilized halohydrin dehalogenase in aqueous and non-aqueous phase. <i>Bioresource Technology</i> , 2018, 263, 483-490.	9.7	29
89	Isolation and characterization of three pairs of indolediketopiperazine enantiomers containing infrequent N-methoxy substitution from the marine algal-derived endophytic fungus <i>Acrostalagmus luteoalbus</i> TK-43. <i>Bioorganic Chemistry</i> , 2019, 90, 103030.	4.2	29
90	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.	9.7	29

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91	Changes in the Incidence of Retinal Vascular Occlusions After COVID-19 Diagnosis. <i>JAMA Ophthalmology</i> , 2022, 140, 523.	2.6	29
92	Optimization of cultivation conditions for the production of 1,3-dihydroxyacetone by <i>Pichia membranifaciens</i> using response surface methodology. <i>Biochemical Engineering Journal</i> , 2008, 38, 285-291.	3.8	28
93	Repeated biotransformation of glycerol to 1,3-dihydroxyacetone by immobilized cells of <i>Gluconobacter oxydans</i> with glycerol- and urea-feeding strategy in a bubble column bioreactor. <i>Bioresource Technology</i> , 2017, 233, 144-149.	9.7	28
94	Extreme Sparse Multinomial Logistic Regression: A Fast and Robust Framework for Hyperspectral Image Classification. <i>Remote Sensing</i> , 2017, 9, 1255.	4.1	28
95	Asymmetric biosynthesis of L-phosphinothricin by a novel transaminase from <i>Pseudomonas fluorescens</i> ZJB09-108. <i>Process Biochemistry</i> , 2019, 85, 60-67.	3.8	28
96	Asymmetric synthesis of l-phosphinothricin using thermostable alpha-transaminase mined from <i>Citrobacter koseri</i> . <i>Journal of Biotechnology</i> , 2019, 302, 10-17.	3.9	28
97	Microbial biomass production from rice straw hydrolysate in airlift bioreactors. <i>Journal of Biotechnology</i> , 2005, 118, 413-420.	3.9	27
98	Isolation and identification of a novel <i>Rhodococcus</i> sp. ML-0004 producing epoxide hydrolase and optimization of enzyme production. <i>Process Biochemistry</i> , 2007, 42, 889-894.	3.8	27
99	Biosynthesis of nicotinic acid from 3-cyanopyridine by a newly isolated <i>Fusarium proliferatum</i> ZJB-09150. <i>World Journal of Microbiology and Biotechnology</i> , 2013, 29, 431-440.	3.7	27
100	Efficient production of S-(+)-2-chlorophenylglycine by immobilized penicillin G acylase in a recirculating packed bed reactor. <i>Biochemical Engineering Journal</i> , 2013, 74, 88-94.	3.8	27
101	Regioselective and Direct Azidation of Anilines via Cu(II)-Catalyzed C-H Functionalization in Water. <i>Journal of Organic Chemistry</i> , 2017, 82, 11212-11217.	3.3	27
102	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.	3.5	27
103	Multiplex Design of the Metabolic Network for Production of α -Homoserine in <i>Escherichia coli</i> . <i>Applied and Environmental Microbiology</i> , 2020, 86, .	3.2	27
104	Evolution of cryptic gene pools in <i>Hypericum perforatum</i> : the influence of reproductive system and gene flow. <i>Annals of Botany</i> , 2013, 111, 1083-1094.	2.9	26
105	Screening and Improving the Recombinant Nitrilases and Application in Biotransformation of Iminodiacetonitrile to Iminodiacetic Acid. <i>PLoS ONE</i> , 2013, 8, e67197.	2.5	26
106	Characterization of a newly synthesized carbonyl reductase and construction of a biocatalytic process for the synthesis of ethyl (S)-4-chloro-3-hydroxybutanoate with high space-time yield. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 1671-1680.	3.7	26
107	Chondrocyte primary cilium is mechanosensitive and responds to low-intensity-ultrasound by altering its length and orientation. <i>International Journal of Biochemistry and Cell Biology</i> , 2017, 91, 60-64.	2.9	26
108	Biosynthesis of p-methoxyphenylacetic acid from p-methoxyphenylacetone nitrile by immobilized <i>Bacillus subtilis</i> ZJB-063. <i>Process Biochemistry</i> , 2008, 43, 978-983.	3.8	25

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109	A novel synthesis of iminodiacetic acid: Biocatalysis by whole <i>Alcaligenes faecalis</i> ZJB-09133 cells from iminodiacetonitrile. <i>Biotechnology Progress</i> , 2011, 27, 698-705.	2.6	25
110	Chemical and enzymatic approaches to the synthesis of optically pure ethyl (R)-4-cyano-3-hydroxybutanoate. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 11-21.	3.7	25
111	Engineering of <i>Thermomyces lanuginosus</i> lipase Lip: creation of novel biocatalyst for efficient biosynthesis of chiral intermediate of Pregabalin. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 2473-2483.	3.7	25
112	Chemoenzymatic synthesis of gabapentin by combining nitrilase-mediated hydrolysis with hydrogenation over Raney-nickel. <i>Catalysis Communications</i> , 2015, 66, 121-125.	3.4	25
113	Enhanced catalytic efficiency and enantioselectivity of epoxide hydrolase from <i>Agrobacterium radiobacter</i> AD1 by iterative saturation mutagenesis for (R)-epichlorohydrin synthesis. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 733-742.	3.7	25
114	t-Butyl 6-cyano-(3R,5R)-dihydroxyhexanoate synthesis via asymmetric reduction by immobilized cells of carbonyl reductase and glucose dehydrogenase co-expression <i>E. coli</i> . <i>Process Biochemistry</i> , 2019, 80, 43-51.	3.8	25
115	Efficient Biosynthesis of Xylitol from Xylose by Coexpression of Xylose Reductase and Glucose Dehydrogenase in <i>Escherichia coli</i> . <i>Applied Biochemistry and Biotechnology</i> , 2019, 187, 1143-1157.	3.0	25
116	Prevalence and Factors Associated With Virological Treatment Failure Among Children and Adolescents on Antiretroviral Therapy Attending HIV/AIDS Care and Treatment Clinics in Dodoma Municipality, Central Tanzania. <i>Journal of the Pediatric Infectious Diseases Society</i> , 2021, 10, 131-140.	1.2	25
117	Degradation of abamectin by newly isolated <i>Stenotrophomonas maltophilia</i> ZJB-14120 and characterization of its abamectin-tolerance mechanism. <i>Research in Microbiology</i> , 2015, 166, 408-418.	2.2	24
118	High-throughput screening methods for nitrilases. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 3421-3432.	3.7	24
119	The clinical relevance of early anti-adalimumab antibodies detection in rheumatoid arthritis, ankylosing spondylitis and psoriatic arthritis: A prospective multicentre study. <i>Joint Bone Spine</i> , 2016, 83, 167-171.	1.9	24
120	Effect of indoor environmental exposure on seminal microbiota and its application in body fluid identification. <i>Forensic Science International</i> , 2020, 314, 110417.	2.3	24
121	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	24
122	Semirational engineering of an aldo-keto reductase <i>Km</i> -AKR for overcoming trade-offs between catalytic activity and thermostability. <i>Biotechnology and Bioengineering</i> , 2021, 118, 4441-4452.	3.5	24
123	Rerouting Fluxes of the Central Carbon Metabolism and Relieving Mechanism-Based Inactivation of <i>Aspartate-1-decarboxylase</i> for Fermentative Production of β -Alanine in <i>Escherichia coli</i> . <i>ACS Synthetic Biology</i> , 2022, 11, 1908-1918.	4.0	24
124	Effect of sugar-feeding strategies on astaxanthin production by <i>Xanthophyllomyces dendrorhous</i> . <i>World Journal of Microbiology and Biotechnology</i> , 2005, 21, 771-775.	3.7	23
125	Production of valienamine by a newly isolated strain: <i>Stenotrophomonas maltophilia</i> . <i>Enzyme and Microbial Technology</i> , 2006, 39, 1060-1065.	3.3	23
126	Inhibitory effects of validamycin compounds on the termites trehalase. <i>Pesticide Biochemistry and Physiology</i> , 2009, 95, 28-32.	3.6	23

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127	Effects of benzo(a)pyrene on differentially expressed genes and haemocyte parameters of the clam <i>Venerupis philippinarum</i> . <i>Ecotoxicology</i> , 2014, 23, 122-132.	2.5	23
128	High Level of Spinosad Production in the Heterologous Host <i>Saccharopolyspora erythraea</i> . <i>Applied and Environmental Microbiology</i> , 2016, 82, 5603-5611.	3.2	23
129	Enhanced activity of <i>Thermomyces lanuginosus</i> lipase by site-saturation mutagenesis for efficient biosynthesis of chiral intermediate of pregabalin. <i>Biochemical Engineering Journal</i> , 2016, 113, 12-18.	3.8	23
130	Efficacy of the Volatile Oil from Water Celery (<i>Helosciadium nodiflorum</i> , Apiaceae) against the Filariasis Vector <i>Culex quinquefasciatus</i> , the Housefly <i>Musca domestica</i> , and the African Cotton Leafworm <i>Spodoptera littoralis</i> . <i>Chemistry and Biodiversity</i> , 2017, 14, e1700376.	2.2	23
131	Controlling Stereopreferences of Carbonyl Reductases for Enantioselective Synthesis of Atorvastatin Precursor. <i>ACS Catalysis</i> , 2021, 11, 2572-2582.	11.7	23
132	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.	3.9	23
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