

Yu-guo Zheng

List of Publications by Year in descending order

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513
papers

13,255
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53202

45
h-index

44509

91
g-index

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all docs

545
docs citations

545
times ranked

19887
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparative transcriptomic and lipidomic analysis of oleic environment adaptation in <i>Saccharomyces cerevisiae</i> : insight into metabolic reprogramming and lipid membrane expansion. <i>Systems Microbiology and Biomanufacturing</i> , 2024, 4, 112-126.	2.9	5
2	Computer-aided directed rational design enhanced the thermostability of carbonyl reductase <i>CR</i> for the synthesis of ticagrelor precursor. <i>Biotechnology and Bioengineering</i> , 2024, 121, 1532-1542.	3.5	2
3	Development of a Sustainable Chemoenzymatic Process for (<i>S</i>)-Pregabalin Synthesis via Nitrilase-Catalyzed Hydrolysis and Continuous Flow Racemization. <i>Organic Process Research and Development</i> , 2024, 28, 1886-1895.	3.0	0
4	Biosynthesis of Nicotinamide Mononucleotide: Synthesis Method, Enzyme, and Biocatalytic System. <i>Journal of Agricultural and Food Chemistry</i> , 2024, 72, 3302-3313.	5.3	2
5	Coculture of the Heterotrophic Nitrification-aided Aerobic Denitrification Strains <i>Acinetobacter</i> sp. A12 and <i>Paracoccus</i> sp. T8 Enables Effective Biological Nitrogen Removal from Landfill Leachate. <i>ACS ES&T Water</i> , 2024, 4, 1786-1797.	4.8	0
6	Not exclusively the activity, but the sweet spot: a dehydrogenase point mutation synergistically boosts activity, substrate tolerance, thermal stability and yield. <i>Organic and Biomolecular Chemistry</i> , 2024, 22, 3009-3018.	2.9	0
7	Design of NAMPTs with Superior Activity by Dual-Channel Protein Engineering Strategy. <i>Journal of Agricultural and Food Chemistry</i> , 2024, 72, 13834-13845.	5.3	0
8	Enhancing the Thermal Stability and Enzyme Activity of Ketopantoate Hydroxymethyltransferase through Interface Modification Engineering. <i>Journal of Agricultural and Food Chemistry</i> , 2024, 72, 13186-13195.	5.3	0
9	Strategies for tailoring pH performances of glycoside hydrolases. <i>Critical Reviews in Biotechnology</i> , 2023, 43, 121-141.	9.4	21
10	DHCR24, a Key Enzyme of Cholesterol Synthesis, Serves as a Marker Gene of the Mouse Adrenal Gland Inner Cortex. <i>International Journal of Molecular Sciences</i> , 2023, 24, 933.	4.2	4
11	Relationship between lumbar spinal stenosis and cauda equina movement during the Valsalva maneuver. <i>Skeletal Radiology</i> , 2023, 52, 1349-1358.	2.2	1
12	High-Level Production of <i>L</i> -Methionine by Dynamic Deregulation of Metabolism with Engineered Nonauxotroph <i>Escherichia coli</i> . <i>ACS Synthetic Biology</i> , 2023, 12, 492-501.	4.0	9
13	Coevolving stability and activity of <i>CR</i> by a single point mutation and constructing neat substrate bioreaction system. <i>Biotechnology and Bioengineering</i> , 2023, 120, 1521-1530.	3.5	1
14	Spatiotemporal Gene Expression by a Genetic Circuit for Chemical Production in <i>Escherichia coli</i> . <i>ACS Synthetic Biology</i> , 2023, 12, 768-779.	4.0	4
15	Atomic Layer Processing of MoS ₂ . , 2023, , .		0
16	Switching the Cofactor Preference of Formate Dehydrogenase to Develop an NADPH-Dependent Biocatalytic System for Synthesizing Chiral Amino Acids. <i>Journal of Agricultural and Food Chemistry</i> , 2023, 71, 9009-9019.	5.3	6
17	Development of an aminotransferase-driven biocatalytic cascade for deracemization of <i>d,l</i> -phosphinothricin. <i>Biotechnology and Bioengineering</i> , 2023, 120, 2940-2952.	3.5	3
18	Enhanced Enzymatic Hydrolysis of High-Solids Content Corncobs by a Lytic Polysaccharide Monooxygenase from <i>Podospora anserina</i> S Mat ⁺ for Valuable Monosaccharides. <i>ACS Sustainable Chemistry and Engineering</i> , 2023, 11, 9858-9867.	6.9	2

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19	Structure-Oriented Engineering of Amidase: Modification of Twisted Access Tunnel for Efficient Synthesis of 2-Chloronicotinic Acid. <i>ACS Catalysis</i> , 2023, 13, 9078-9089.	11.7	14
20	Bidirectional Regulation of Nitrilase Reaction Specificity by Tuning the Characteristic Distances between Key Residues and Substrate. <i>ACS Catalysis</i> , 2023, 13, 10282-10294.	11.7	6
21	Engineering residues on C interface to improve thermostability of nitrilase for biosynthesis of Pregabalin precursor. <i>AIChE Journal</i> , 2023, 69, .	3.6	1
22	Recent advances in structure-based enzyme engineering for functional reconstruction. <i>Biotechnology and Bioengineering</i> , 2023, 120, 3427-3445.	3.5	7
23	Combinatorial Metabolic Engineering of <i>Escherichia coli</i> for Enhanced L-Cysteine Production: Insights into Crucial Regulatory Modes and Optimization of Carbon-Sulfur Metabolism and Cofactor Availability. <i>Journal of Agricultural and Food Chemistry</i> , 2023, 71, 13409-13418.	5.3	4
24	Structural-guided design to improve the catalytic performance of aldo-keto reductase KdAKR. <i>Biotechnology and Bioengineering</i> , 2023, 120, 3543-3556.	3.5	4
25	Enhancement of the substrate specificity of amino acid oxidase based on tunnel-pocket engineering. <i>Biotechnology and Bioengineering</i> , 2023, 120, 3557-3569.	3.5	2
26	Streamlining Design, Engineering, and Applications of Nicotinamide Riboside Kinase for Sustainable Biosynthesis of Nicotinamide Mononucleotide in Flow. <i>ACS Sustainable Chemistry and Engineering</i> , 2023, 11, 15218-15227.	6.9	4
27	Attention-Deficit/Hyperactivity Disorder and Alcohol and Other Substance Use Disorders in Young Adulthood: Findings from a Canadian Nationally Representative Survey. <i>Alcohol and Alcoholism</i> , 2022, 57, 385-395.	1.7	7
28	Immobilization of Sucrose Isomerase from <i>Erwinia</i> sp. with Graphene Oxide and Its Application in Synthesizing Isomaltulose. <i>Applied Biochemistry and Biotechnology</i> , 2022, 194, 709-724.	3.0	6
29	Efficient enzymatic synthesis of L-ascorbyl palmitate using <i>Candida antarctica</i> lipase embedded metal-organic framework. <i>Biotechnology Progress</i> , 2022, 38, e3218.	2.6	4
30	Targeting metabolic driving and minimization of by-products synthesis for high yield production of D-pantothenate in <i>Escherichia coli</i> . <i>Biotechnology Journal</i> , 2022, 17, e2100431.	3.7	10
31	Enhanced catalytic activity of recombinant transaminase by molecular modification to improve L-phosphinothricin production. <i>Journal of Biotechnology</i> , 2022, 343, 7-14.	3.9	6
32	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
33	High-throughput assay of tyrosine phenol-lyase activity using a cascade of enzymatic reactions. <i>Analytical Biochemistry</i> , 2022, 640, 114547.	2.5	1
34	Community scale in-situ rapid biological reduction and resource recovery of food waste. <i>Bioresource Technology</i> , 2022, 346, 126603.	9.7	5
35	Improvement of catalytic performance of endoglucanase CgEndo from <i>Colletotrichum graminicola</i> by site-directed mutagenesis. <i>Enzyme and Microbial Technology</i> , 2022, 154, 109963.	3.3	3
36	Rational Regulation of Reaction Specificity of Nitrilase for Efficient Biosynthesis of 2-Chloronicotinic Acid through a Single Site Mutation. <i>Applied and Environmental Microbiology</i> , 2022, 88, aem0239721.	3.2	9

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37	Risk Factors for Pulmonary Embolism in ICU Patients: A Retrospective Cohort Study from the MIMIC-III Database. <i>Clinical and Applied Thrombosis/Hemostasis</i> , 2022, 28, 107602962110739.	1.7	8
38	Development of an <i>Escherichia coli</i> whole cell catalyst harboring conjugated polyketone reductase from <i>Candida glabrata</i> for synthesis of d-(α^{\sim})-pantolactone. <i>Process Biochemistry</i> , 2022, 112, 223-233.	3.8	10
39	Bacterial dynamics and functions driven by bulking agents to enhance organic degradation in food waste in-situ rapid biological reduction (IRBR). <i>Bioprocess and Biosystems Engineering</i> , 2022, 45, 689-700.	3.5	1
40	Constitutive expression of nitrilase from <i>Rhodococcus zopfii</i> for efficient biosynthesis of 2-chloronicotinic acid. <i>3 Biotech</i> , 2022, 12, 50.	2.4	2
41	Engineering laboratory/factory-specific phage-resistant strains of <i>Escherichia coli</i> by mutagenesis and screening. <i>World Journal of Microbiology and Biotechnology</i> , 2022, 38, 51.	3.7	2
42	SARS-CoV-2 Vaccination Coverage and Key Public Health Indicators May Explain Disparities in COVID-19 Country-Specific Case Fatality Rate Within European Economic Area. <i>Cureus</i> , 2022, 14, e22989.	0.5	2
43	Expression of l-phosphinothricin synthesis enzymes in <i>Pichia pastoris</i> for synthesis of l-phosphinothricin. <i>Biotechnology Letters</i> , 2022, 44, 561-570.	2.2	3
44	Tuning the catalytic performances of a sucrose isomerase for production of isomaltulose with high concentration. <i>Applied Microbiology and Biotechnology</i> , 2022, 106, 2493-2501.	3.7	3
45	Development of an NAD(H)-Driven Biocatalytic System for Asymmetric Synthesis of Chiral Amino Acids. <i>Advanced Synthesis and Catalysis</i> , 2022, 364, 1450-1459.	4.5	16
46	Determination of three sites involved in the divergence of L-aspartate- \pm -decarboxylase self-cleavage in bacteria. <i>Enzyme and Microbial Technology</i> , 2022, 158, 110048.	3.3	4
47	Module engineering coupled with omics strategies for enhancing D-pantothenate production in <i>Escherichia coli</i> . <i>Bioresource Technology</i> , 2022, 352, 127024.	9.7	8
48	A reinforcement learning-based sleep scheduling algorithm for cooperative computing in event-driven wireless sensor networks. <i>Ad Hoc Networks</i> , 2022, 130, 102837.	5.8	12
49	Enabling biocatalysis in high-concentration organic cosolvent by enzyme gate engineering. <i>Biotechnology and Bioengineering</i> , 2022, 119, 845-856.	3.5	13
50	Changes in the Incidence of Retinal Vascular Occlusions After COVID-19 Diagnosis. <i>JAMA Ophthalmology</i> , 2022, 140, 523.	2.6	29
51	High-Throughput Screening of Signal Peptide Library with Novel Fluorescent Probe. <i>ChemBioChem</i> , 2022, , .	2.8	1
52	Biosynthetic Gene Cluster of Linaridin Peptides Contains Epimerase Gene. <i>ChemBioChem</i> , 2022, 23, .	2.8	10
53	Engineering Novel (<i>R</i>)-Selective Transaminase for Efficient Symmetric Synthesis of <i>scp</i> -Alanine. <i>Applied and Environmental Microbiology</i> , 2022, 88, e0006222.	3.2	9
54	A light-controlled biocatalytic system for precise regulation of enzymatic decarboxylation. <i>Catalysis Science and Technology</i> , 2022, 12, 3421-3425.	4.2	3

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55	Obstructive Sleep Apnea: Diagnosis with Polysomnography and Portable Monitors. <i>Respiratory Medicine</i> , 2022, , 111-128.	0.0	2
56	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
57	Engineering of a nitrilase through consensus sequence analysis and conserved site substitution to improve its thermostability and activity. <i>Biochemical Engineering Journal</i> , 2022, 184, 108475.	3.8	7
58	Engineering of reaction specificity, enantioselectivity, and catalytic activity of nitrilase for highly efficient synthesis of pregabalin precursor. <i>Biotechnology and Bioengineering</i> , 2022, 119, 2399-2412.	3.5	5
59	Evapotranspiration and crop coefficients using lysimeter measurements for food crops in the hyper-arid United Arab Emirates. <i>Agricultural Water Management</i> , 2022, 272, 107826.	5.7	4
60	Improvement of multicatalytic properties of nitrilase from <i>Paraburkholderia graminis</i> for efficient biosynthesis of 2-chloronicotinic acid. <i>Biotechnology and Bioengineering</i> , 2022, 119, 3421-3431.	3.5	4
61	Regulating substrate preference of phosphatase by reshaping the α -domain for multi-enzymatic biosynthesis of high-purity monosaccharides. <i>Biotechnology and Bioengineering</i> , 2022, 119, 3462-3473.	3.5	2
62	BAYESIAN NEURAL NETWORK APPLICATION TO CLASSIFY DISEASES BY INDIRECT SYMPTOMS. <i>Vestnik Lipeckogo Gosudarstvennogo TehniĀeskogo Universiteta</i> , 2022, , 11-17.	0.1	0
63	An efficient route towards R-2-phenoxypropionic acid synthesis for biotransformative production of R-2-(4-hydroxyphenoxy)propionic acid. <i>Chinese Journal of Chemical Engineering</i> , 2021, 32, 315-323.	3.5	2
64	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
65	O-Succinyl-L-homoserine overproduction with enhancement of the precursor succinyl-CoA supply by engineered <i>Escherichia coli</i> . <i>Journal of Biotechnology</i> , 2021, 325, 164-172.	3.9	4
66	Effect of myofascial release on lower limb range of motion, sit and reach and horizontal jump distance in male university students. <i>Journal of Bodywork and Movement Therapies</i> , 2021, 25, 140-145.	1.2	8
67	Crystallization kinetics of Al ₂ O ₃ -26mol%Y ₂ O ₃ glass and full crystallized transparent Y ₃ Al ₅ O ₁₂ -based nanoceramic. <i>Journal of the European Ceramic Society</i> , 2021, 41, 1557-1563.	5.6	9
68	Role of nano-selenium in health and environment. <i>Journal of Biotechnology</i> , 2021, 325, 152-163.	3.9	146
69	Heterologous expression and biochemical characterization of a thermostable endo- β -1,4-glucanase from <i>Colletotrichum orchidophilum</i> . <i>Bioprocess and Biosystems Engineering</i> , 2021, 44, 67-79.	3.5	13
70	Development of a biocatalytic cascade for synthesis of 2-oxo-4-(hydroxymethylphosphinyl) butyric acid in one pot. <i>Biocatalysis and Biotransformation</i> , 2021, 39, 190-197.	2.1	10
71	Enhanced amphotericin B production by genetically engineered <i>Streptomyces nodosus</i> . <i>Microbiological Research</i> , 2021, 242, 126623.	5.4	20
72	Characterization of <i>Lysobacter</i> spp. strains and their potential use as biocontrol agents against pear anthracnose. <i>Microbiological Research</i> , 2021, 242, 126624.	5.4	20

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73	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
74	Daily defecation outputs of mountain gorillas (<i>Gorilla beringei beringei</i>) in the Volcanoes National Park, Rwanda. <i>Primates</i> , 2021, 62, 311-320.	1.3	2
75	A integrated process for nitrilase-catalyzed asymmetric hydrolysis and easy biocatalyst recycling by introducing biocompatible biphasic system. <i>Bioresource Technology</i> , 2021, 320, 124392.	9.7	11
76	Simultaneous Directed Evolution of Coupled Enzymes for Efficient Asymmetric Synthesis of <i>l</i> -Phosphinothricin. <i>Applied and Environmental Microbiology</i> , 2021, 87, .	3.2	10
77	High-level expression of nitrile hydratase from <i>Pantoea</i> sp. At-9b in <i>Escherichia coli</i> . <i>Process Biochemistry</i> , 2021, 101, 199-206.	3.8	3
78	One-step eantioselective bioresolution for (S)-2-chlorophenylglycine methyl ester catalyzed by the immobilized Protease 6SD on multi-walled carbon nanotubes in a triphasic system. <i>Journal of Biotechnology</i> , 2021, 325, 294-302.	3.9	2
79	Increase of O-acetylhomoserine production in <i>Escherichia coli</i> by modification of glycerol-oxidative pathway coupled with optimization of fermentation. <i>Biotechnology Letters</i> , 2021, 43, 105-117.	2.2	6
80	Highly competitive native aquatic species could suppress the growth of invasive aquatic species with similar traits. <i>Biological Invasions</i> , 2021, 23, 267-280.	2.4	13
81	Efficient production of an ezetimibe intermediate using carbonyl reductase coupled with glucose dehydrogenase. <i>Biotechnology Progress</i> , 2021, 37, e3068.	2.6	3
82	Characterization of a recombinant sucrose isomerase and its application to enzymatic production of isomaltulose. <i>Biotechnology Letters</i> , 2021, 43, 261-269.	2.2	10
83	A Single-Transaminase-Catalyzed Biocatalytic Cascade for Efficient Asymmetric Synthesis of <i>l</i> -Phosphinothricin. <i>ChemBioChem</i> , 2021, 22, 345-348.	2.8	13
84	Stimuli-Sensitive Self-Assembled Tubules Based on Lysine-Derived Surfactants for Delivery of Antimicrobial Proteins. <i>Chemistry - A European Journal</i> , 2021, 27, 692-704.	3.9	4
85	Supramolecular Chemistry of Titanium Oxide Clusters. <i>Chemistry - A European Journal</i> , 2021, 27, 4270-4282.	3.9	20
86	Development of a Simple and Sensitive Pre-column Derivatization HPLC Method for the Quantitative Analysis of Miglitol Intermediates. <i>Chromatographia</i> , 2021, 84, 347-358.	1.3	2
87	Controlling Stereopreferences of Carbonyl Reductases for Enantioselective Synthesis of Atorvastatin Precursor. <i>ACS Catalysis</i> , 2021, 11, 2572-2582.	11.7	23
88	Development of a Combination Fermentation Strategy to Simultaneously Increase Biomass and Enzyme Activity of d-amino Acid Oxidase Expressed in <i>Escherichia coli</i> . <i>Applied Biochemistry and Biotechnology</i> , 2021, 193, 2029-2042.	3.0	5
89	Preparedness of pre-intern medical graduates of three universities in Sri Lanka to diagnose and manage anaphylaxis. <i>BMC Medical Education</i> , 2021, 21, 152.	2.5	2
90	TK1211 Encodes an Amino Acid Racemase towards Leucine and Methionine in the Hyperthermophilic Archaeon <i>Thermococcus kodakarensis</i> . <i>Journal of Bacteriology</i> , 2021, 203, .	2.4	2

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91	Structural insights into the thermostability mechanism of a nitrile hydratase from <i>Caldalkalibacillus thermarum</i> by comparative molecular dynamics simulation. <i>Proteins: Structure, Function and Bioinformatics</i> , 2021, 89, 978-987.	3.2	9
92	Identification of a novel promoter for driving antibiotic-resistant genes to reduce the metabolic burden during protein expression and effectively select multiple integrations in <i>Pichia Pastoris</i> . <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 3211-3223.	3.7	10
93	Efficient strategies to enhance plasmid stability for fermentation of recombinant <i>Escherichia coli</i> harboring tyrosine phenol lyase. <i>Biotechnology Letters</i> , 2021, 43, 1265-1276.	2.2	3
94	Herbal Resources to Combat a Progressive & Degenerative Nervous System Disorder- Parkinson's Disease. <i>Current Drug Targets</i> , 2021, 22, 609-630.	2.3	13
95	Immobilization of recombinant <i>Escherichia coli</i> cells expressing glucose isomerase using modified diatomite as a carrier for effective production of high fructose corn syrup in packed bed reactor. <i>Bioprocess and Biosystems Engineering</i> , 2021, 44, 1781-1792.	3.5	9
96	Reducing prescribing of benzodiazepines in older adults: a comparison of four physician-focused interventions by a medical regulatory authority. <i>BMC Family Practice</i> , 2021, 22, 68.	2.9	5
97	Extracellular expression of natural cytosolic nitrilase from <i>Rhodococcus zopfii</i> through constructing a transmembrane tunnel structure in <i>Escherichia coli</i> cells. <i>Process Biochemistry</i> , 2021, 103, 71-77.	3.8	1
98	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
99	Enhancing the production of amphotericin B by <i>Streptomyces nodosus</i> in a 50-ton bioreactor based on comparative genomic analysis. <i>3 Biotech</i> , 2021, 11, 299.	2.4	2
100	Genome-wide identification and phylogenetic relationships of the Hsp70 gene family of <i>Aegilops tauschii</i> , wild emmer wheat (<i>Triticum dicoccoides</i>) and bread wheat (<i>Triticum aestivum</i>). <i>3 Biotech</i> , 2021, 11, 301.	2.4	7
101	Comparative proteome analysis of <i>Actinoplanes utahensis</i> grown on various saccharides based on 2D-DIGE and MALDI-TOF/TOF-MS. <i>Journal of Proteomics</i> , 2021, 239, 104193.	2.5	4
102	Gene Cascade Shift and Pathway Enrichment in Rat Kidney Induced by Acarbose Through Comparative Analysis. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 659700.	4.2	2
103	Overproduction of D-pantothenic acid via fermentation conditions optimization and isoleucine feeding from recombinant <i>Escherichia coli</i> W3110. <i>3 Biotech</i> , 2021, 11, 295.	2.4	14
104	Improvement of pyrroloquinoline quinone-dependent d-sorbitol dehydrogenase activity from <i>Gluconobacter oxydans</i> via expression of <i>Vitreoscilla</i> hemoglobin and regulation of dissolved oxygen tension for the biosynthesis of 6-(N-hydroxyethyl)-amino-6-deoxy- β -l-sorbofuranose. <i>Journal of Bioscience and Bioengineering</i> , 2021, 131, 518-524.	2.2	9
105	Fluorescence-based screening for engineered aldo-keto reductase <i>Km</i> -AKR with improved catalytic performance and extended substrate scope. <i>Biotechnology Journal</i> , 2021, 16, e2100130.	3.7	8
106	Phenotypic diversity, disease progression, and pathogenicity of <i>MVK</i> missense variants in mevalonic aciduria. <i>Journal of Inherited Metabolic Disease</i> , 2021, 44, 1272-1287.	3.7	20
107	High-resolution characterization of the structural features and genetic variation of six feline leukocyte antigen class I loci via single molecule, real-time (SMRT) sequencing. <i>Immunogenetics</i> , 2021, 73, 381-393.	2.5	3
108	Development of a Promising Method for Producing Oligomeric Mixture of Branched Alkylene Guanidines to Improve Substance Quality and Evaluate Their Antiviral Activity against SARS-CoV-2. <i>Molecules</i> , 2021, 26, 3472.	3.9	3

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109	Improvement of cordycepin production by an isolated <i>Paecilomyces hepiali</i> mutant from combinatorial mutation breeding and medium screening. <i>Bioprocess and Biosystems Engineering</i> , 2021, 44, 2387-2398.	3.5	8
110	Development of a fermentation strategy to enhance the catalytic efficiency of recombinant <i>Escherichia coli</i> for L-2-aminobutyric acid production. <i>3 Biotech</i> , 2021, 11, 387.	2.4	1
111	Two class II CPD photolyases, PiPhr1 and PiPhr2, with CPD repair activity from the Antarctic diatom <i>Phaeodactylum tricornutum</i> ICE-H. <i>3 Biotech</i> , 2021, 11, 377.	2.4	6
112	Hydrogenation involved in the chemicalâ€“biological synthesis of miglitol: effect of biological impurities on catalytic activity and catalyst reuse. <i>Journal of Chemical Technology and Biotechnology</i> , 2021, 96, 3043.	3.1	0
113	Analysis of the effects of different nitrogen sources and calcium on the production of amphotericin by <i>Streptomyces nodosus</i> based on comparative transcriptome. <i>Biotechnology and Applied Biochemistry</i> , 2021, , .	3.1	1
114	Effects of a pharmaceutical care intervention on clinical outcomes and patient adherence in coronary heart disease: the MIMeRiC randomized controlled trial. <i>BMC Cardiovascular Disorders</i> , 2021, 21, 367.	1.7	12
115	Semirational engineering of an aldoâ€“keto reductase <i>Km</i>AKR for overcoming tradeâ€“offs between catalytic activity and thermostability. <i>Biotechnology and Bioengineering</i> , 2021, 118, 4441-4452.	3.5	24
116	Combining fermentation to produce O-succinyl-L-homoserine and enzyme catalysis for the synthesis of L-methionine in one pot. <i>Journal of Bioscience and Bioengineering</i> , 2021, 132, 451-459.	2.2	7
117	Proposed mechanism for postâ€“translational selfâ€“modification of Coâ€“NHase based on Co 2+ diffusion limitation. <i>Biotechnology Journal</i> , 2021, 16, 2100103.	3.7	1
118	An unusual case of nodular pulmonary amyloidosis. <i>Clinical Case Reports (discontinued)</i> , 2021, 9, e04562.	0.5	5
119	Redesign of (R)-Omega-Transaminase and Its Application for Synthesizing Amino Acids with Bulky Side Chain. <i>Applied Biochemistry and Biotechnology</i> , 2021, 193, 3624-3640.	3.0	8
120	Properties of d-allulose 3-epimerase mined from <i>Novibacillus thermophilus</i> and its application to synthesis of d-allulose. <i>Enzyme and Microbial Technology</i> , 2021, 148, 109816.	3.3	20
121	Highly efficient synthesis of rosuvastatin intermediate using a carbonyl reductaseâ€“cofactor coâ€“immobilized biocatalyst in the nonâ€“aqueous biosystem. <i>Journal of Chemical Technology and Biotechnology</i> , 2021, 96, 3094-3100.	3.1	2
122	The Role of Dynamic Contrast-Enhanced Magnetic Resonance Imaging in Predicting Treatment Response for Cervical Cancer Treated with Concurrent Chemoradiotherapy. <i>Cancer Management and Research</i> , 2021, Volume 13, 6065-6078.	2.0	5
123	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
124	Tuning enzymatic properties by protein engineering toward catalytic tetrad of carbonyl reductase. <i>Biotechnology and Bioengineering</i> , 2021, 118, 4643-4654.	3.5	2
125	Multiplex modification of <i>Escherichia coli</i> for enhanced Î²-alanine biosynthesis through metabolic engineering. <i>Bioresource Technology</i> , 2021, 342, 126050.	9.7	23
126	RÃ©animation pÃ©diatrique: face Ã la mort. <i>Cahiers De La PuÃ©ricultrice</i> , 2021, , .	0.0	0

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127	Surface Modulation of Graphene Oxide for Amidase Immobilization with High Loadings for Efficient Biocatalysis. <i>Biomolecules</i> , 2021, 11, 1399.	4.2	2
128	Functional expression of an echinocandin B deacylase from <i>Actinoplanes utahensis</i> in <i>Escherichia coli</i> . <i>International Journal of Biological Macromolecules</i> , 2021, 187, 850-857.	7.7	5
129	Strengthening the (R)-pantoate pathway to produce D-pantothenic acid based on systematic metabolic analysis. <i>Food Bioscience</i> , 2021, 43, 101283.	4.5	10
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