Xiaoqing Mu

List of Publications by Year
in descending order

14	119	1307594 7	1281871 11
papers	citations	h-index	g-index

15	15	15	93
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Substrate-Specific Engineering of Amino Acid Dehydrogenase Superfamily for Synthesis of a Variety of Chiral Amines and Amino Acids. Catalysts, 2022, 12, 380.	3.5	6
2	High coenzyme affinity chimeric amine dehydrogenase based on domain engineering. Bioresources and Bioprocessing, 2022, 9, .	4.2	2
3	Improving the production of NAD+ via multi-strategy metabolic engineering in Escherichia coli. Metabolic Engineering, 2021, 64, 122-133.	7.0	17
4	Enhanced catalytic efficiency and coenzyme affinity of leucine dehydrogenase by comprehensive screening strategy for L-tert-leucine synthesis. Applied Microbiology and Biotechnology, 2021, 105, 3625-3634.	3.6	11
5	Structure-guided steric hindrance engineering of Bacillus badius phenylalanine dehydrogenase for efficient l-homophenylalanine synthesis. Biotechnology for Biofuels, 2021, 14, 207.	6.2	17
6	Iterative Alanine Scanning Mutagenesis Confers Aromatic Ketone Specificity and Activity of Lâ€Amine Dehydrogenases. ChemCatChem, 2021, 13, 5243-5253.	3.7	9
7	Optimization and Validation of a Headspace Solid-Phase Microextraction with Comprehensive Two-Dimensional Gas Chromatography Time-of-Flight Mass Spectrometric Detection for Quantification of Trace Aroma Compounds in Chinese Liquor (Baijiu). Molecules, 2021, 26, 6910.	3.8	10
8	Transamination-Like Reaction Catalyzed by Leucine Dehydrogenase for Efficient Co-Synthesis of Î±-Amino Acids and Î±-Keto Acids. Molecules, 2021, 26, 7287.	3.8	3
9	A Sustainable Approach for Synthesizing (R)-4-Aminopentanoic Acid From Levulinic Acid Catalyzed by Structure-Guided Tailored Glutamate Dehydrogenase. Frontiers in Bioengineering and Biotechnology, 2021, 9, 770302.	4.1	4
10	Disorder prediction-based construct optimization improves activity and catalytic efficiency of Bacillus naganoensis pullulanase. Scientific Reports, 2016, 6, 24574.	3.3	20
11	Enhancement of glucose production from maltodextrin hydrolysis by optimisation of saccharification process using mixed enzymes involving novel pullulanase. International Journal of Food Science and Technology, 2015, 50, 2672-2681.	2.7	7
12	A new rapid spectrophotometric quantitative determination method for Î³-decalactone and application in high-throughput screening for Î³-decalactone producing strains. Food Science and Biotechnology, 2014, 23, 1935-1940.	2.6	1
13	A highly stable wholeâ€cell biocatalyst for the enantioselective synthesis of optically active alphaâ€hydroxy acids. Journal of Chemical Technology and Biotechnology, 2009, 84, 1787-1792.	3.2	9
14	Purification and characterization of a novel carbonyl reductase with high stereo-selectivity. Frontiers of Chemical Engineering in China, 2007, 1, 404-410.	0.6	3