

Xiaoqing Mu

List of Publications by Year in descending order

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14
papers

119
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1307594

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citing authors

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