

Jian-Miao Xu

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

140
citations

1478505

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1199594

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docs citations

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times ranked

137
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | 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. | 7.5 | 38 |
| 2 | Fermentative production of the unnatural amino acid l-2-aminobutyric acid based on metabolic engineering. <i>Microbial Cell Factories</i> , 2019, 18, 43. | 4.0 | 20 |
| 3 | Semi-Rational Engineering of Leucine Dehydrogenase for L-2-Aminobutyric Acid Production. <i>Applied Biochemistry and Biotechnology</i> , 2017, 182, 898-909. | 2.9 | 18 |
| 4 | Simple-MSSM: a simple and efficient method for simultaneous multi-site saturation mutagenesis. <i>Biotechnology Letters</i> , 2017, 39, 567-575. | 2.2 | 18 |
| 5 | A high-throughput screening method for amino acid dehydrogenase. <i>Analytical Biochemistry</i> , 2016, 495, 29-31. | 2.4 | 10 |
| 6 | Efficient racemization of N-phenylacetyl-D-glufosinate for L-glufosinate production. <i>Chirality</i> , 2019, 31, 513-521. | 2.6 | 9 |
| 7 | 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. | 2.0 | 9 |
| 8 | Hydrolytic denitrification and decynidation of acrylonitrile in wastewater with <i>Arthrobacter nitroguajacolicus</i> ZJUTB06-99. <i>AMB Express</i> , 2018, 8, 191. | 3.0 | 5 |
| 9 | Efficient separation of l-phosphinothricin from enzymatic reaction solution using cation-exchange resin. <i>Separation Science and Technology</i> , 2020, 55, 779-787. | 2.5 | 4 |
| 10 | 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. | 2.9 | 4 |
| 11 | A light-controlled biocatalytic system for precise regulation of enzymatic decarboxylation. <i>Catalysis Science and Technology</i> , 2022, 12, 3421-3425. | 4.1 | 3 |
| 12 | Production of l-tryptophan by enantioselective hydrolysis of d,l-tryptophanamide using a newly isolated bacterium. <i>Chemical Papers</i> , 2013, 67, . | 2.2 | 1 |
| 13 | 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. | 2.2 | 1 |