

Shuhong Mao

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

19
papers

156
citations

6
h-index

12
g-index

21
ext. papers

214
ext. citations

4.1
avg, IF

2.81
L-index

| # | Paper | IF | Citations |
|----|--|-----|-----------|
| 19 | Enhancing the sustainability of KsdD as a biocatalyst for steroid transformation by immobilization on epoxy support. <i>Enzyme and Microbial Technology</i> , 2021 , 146, 109777 | 3.8 | 3 |
| 18 | Efficient secretion expression of phospholipase D in <i>Bacillus subtilis</i> and its application in synthesis of phosphatidylserine by enzyme immobilization. <i>International Journal of Biological Macromolecules</i> , 2021 , 169, 282-289 | 7.9 | 0 |
| 17 | Structural Basis of Salicylic Acid Decarboxylase Reveals a Unique Substrate Recognition Mode and Access Channel. <i>Journal of Agricultural and Food Chemistry</i> , 2021 , 69, 11616-11625 | 5.7 | 0 |
| 16 | Continuous Spectrophotometric Assay for High-Throughput Screening of Predominant d-Allulose 3-Epimerases. <i>Journal of Agricultural and Food Chemistry</i> , 2021 , 69, 11637-11645 | 5.7 | 6 |
| 15 | Improving the enzyme property of D-allulose 3-epimerase from a thermophilic organism of <i>Halanaerobium congolense</i> through rational design. <i>Enzyme and Microbial Technology</i> , 2021 , 149, 109850 | 3.8 | 6 |
| 14 | Design of an efficient whole-cell biocatalyst for the production of hydroxyarginine based on a multi-enzyme cascade. <i>Bioresource Technology</i> , 2020 , 318, 124261 | 11 | 7 |
| 13 | Expression, Purification, Refolding, and Characterization of a Protein From. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020 , 8, 593041 | 5.8 | |
| 12 | Engineering a thermostable version of D-allulose 3-epimerase from <i>Rhodopirellula baltica</i> via site-directed mutagenesis based on B-factors analysis. <i>Enzyme and Microbial Technology</i> , 2020 , 132, 109441 | 2.8 | 20 |
| 11 | Soluble expression, purification and biochemical characterization of a C-7 cholesterol dehydrogenase from <i>Drosophila melanogaster</i> . <i>Steroids</i> , 2019 , 152, 108495 | 2.8 | 4 |
| 10 | Electrospun Ribbon-Like Microfiber Films of a Novel Guanidine-Based ABA Triblock Copolymer: Fabrication, Antibacterial Activity, and Cytotoxicity. <i>Macromolecular Chemistry and Physics</i> , 2019 , 220, 1900138 | 2.6 | 1 |
| 9 | Biochemical and structural characterization of 3-ketosteroid- Δ^1 -dehydrogenase, a candidate enzyme for efficient bioconversion of steroids. <i>Journal of Chemical Technology and Biotechnology</i> , 2019 , 94, 309-316 | 3.5 | 2 |
| 8 | Cloning, expression and characterization of a novel fructosyltransferase from and its application in the synthesis of fructooligosaccharides.. <i>RSC Advances</i> , 2019 , 9, 23856-23863 | 3.7 | 5 |
| 7 | Synergistic effects of components in deep eutectic solvents relieve toxicity and improve the performance of steroid biotransformation catalyzed by <i>Arthrobacter simplex</i> . <i>Journal of Chemical Technology and Biotechnology</i> , 2018 , 93, 2729-2736 | 3.5 | 17 |
| 6 | Efficient production of sugar-derived aldonic acids by TCCC11892.. <i>RSC Advances</i> , 2018 , 8, 39897-39901 | 3.7 | 6 |
| 5 | Identification and characterization of the steroid 15 β hydroxylase gene from <i>Penicillium raistrickii</i> . <i>Applied Microbiology and Biotechnology</i> , 2017 , 101, 6409-6418 | 5.7 | 6 |
| 4 | Microbial Hydroxylation of 16 β 17 β Epoxyprogesterone by. <i>Iranian Journal of Pharmaceutical Research</i> , 2017 , 16, 1161-1166 | 1.1 | |
| 3 | Evaluation of deep eutectic solvents as co-solvent for steroids 1-en-dehydrogenation biotransformation by <i>Arthrobacter simplex</i> . <i>Journal of Chemical Technology and Biotechnology</i> , 2016 , 91, 1099-1104 | 3.5 | 38 |

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|---|--|-----|----|
| 2 | 11-Hydroxylation of 16 β -17-epoxyprogesterone in biphasic ionic liquid/water system by <i>Aspergillus ochraceus</i> . <i>Journal of Chemical Technology and Biotechnology</i> , 2013 , 88, 287-292 | 3-5 | 17 |
| 1 | 15-Hydroxylation of a steroid (13-ethyl-gon-4-en-3,17-dione) by <i>Penicillium raistrickii</i> in an ionic liquid/aqueous biphasic system. <i>Biotechnology Letters</i> , 2012 , 34, 2113-7 | 3 | 17 |