

# Shuhong Mao

## List of Publications by Citations

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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	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> , <b>2016</b> , 91, 1099-1104	3.5	38
18	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> , <b>2020</b> , 132, 109441	3.8	20
17	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> , <b>2018</b> , 93, 2729-2736	3.5	17
16	11 $\beta$ -hydroxylation of 16 $\alpha$ -17-epoxyprogesterone in biphasic ionic liquid/water system by <i>Aspergillus ochraceus</i> . <i>Journal of Chemical Technology and Biotechnology</i> , <b>2013</b> , 88, 287-292	3.5	17
15	15 $\beta$ -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> , <b>2012</b> , 34, 2113-7	3	17
14	Design of an efficient whole-cell biocatalyst for the production of hydroxyarginine based on a multi-enzyme cascade. <i>Bioresource Technology</i> , <b>2020</b> , 318, 124261	11	7
13	Identification and characterization of the steroid 15 $\beta$ -hydroxylase gene from <i>Penicillium raistrickii</i> . <i>Applied Microbiology and Biotechnology</i> , <b>2017</b> , 101, 6409-6418	5.7	6
12	Efficient production of sugar-derived aldonic acids by TCCC11892.. <i>RSC Advances</i> , <b>2018</b> , 8, 39897-39901	3.7	6
11	Continuous Spectrophotometric Assay for High-Throughput Screening of Predominant d-Allulose 3-Epimerases. <i>Journal of Agricultural and Food Chemistry</i> , <b>2021</b> , 69, 11637-11645	5.7	6
10	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> , <b>2021</b> , 149, 109850	3.8	6
9	Cloning, expression and characterization of a novel fructosyltransferase from and its application in the synthesis of fructooligosaccharides.. <i>RSC Advances</i> , <b>2019</b> , 9, 23856-23863	3.7	5
8	Soluble expression, purification and biochemical characterization of a C-7 cholesterol dehydrogenase from <i>Drosophila melanogaster</i> . <i>Steroids</i> , <b>2019</b> , 152, 108495	2.8	4
7	Enhancing the sustainability of KsdD as a biocatalyst for steroid transformation by immobilization on epoxy support. <i>Enzyme and Microbial Technology</i> , <b>2021</b> , 146, 109777	3.8	3
6	Biochemical and structural characterization of 3-ketosteroid- $\beta$ -dehydrogenase, a candidate enzyme for efficient bioconversion of steroids. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2019</b> , 94, 309-316	3.5	2
5	Electrospun Ribbon-Like Microfiber Films of a Novel Guanidine-Based ABA Triblock Copolymer: Fabrication, Antibacterial Activity, and Cytotoxicity. <i>Macromolecular Chemistry and Physics</i> , <b>2019</b> , 220, 1900138	2.6	1
4	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> , <b>2021</b> , 169, 282-289	7.9	0
3	Structural Basis of Salicylic Acid Decarboxylase Reveals a Unique Substrate Recognition Mode and Access Channel. <i>Journal of Agricultural and Food Chemistry</i> , <b>2021</b> , 69, 11616-11625	5.7	0

- 2 Microbial Hydroxylation of 16 $\beta$ -17 $\beta$ Epoxyprogesterone by. *Iranian Journal of Pharmaceutical Research*, **2017**, 16, 1161-1166 1.1
- 1 Expression, Purification, Refolding, and Characterization of a Protein From. *Frontiers in Bioengineering and Biotechnology*, **2020**, 8, 593041 5.8