

Zhu zhangliang

List of Publications by Year in descending order

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23
papers

390
citations

687363

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314
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	3.2	15
2	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.	3.2	33
3	Biochemical characterization and structural analysis of ulvan lyase from marine <i>Alteromonas</i> sp. reveals the basis for its salt tolerance. <i>International Journal of Biological Macromolecules</i> , 2020, 147, 1309-1317.	7.5	21
4	Reshaping the Binding Pocket of Lysine Hydroxylase for Enhanced Activity. <i>ACS Catalysis</i> , 2020, 10, 13946-13956.	11.2	39
5	Development of Engineered Ferredoxin Reductase Systems for the Efficient Hydroxylation of Steroidal Substrates. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 16720-16730.	6.7	12
6	Efficient Biosynthesis of 2- ² -Fucosyllactose Using an In Vitro Multienzyme Cascade. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 10763-10771.	5.2	25
7	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.	9.6	12
8	Biochemical and structural characterization of 3-ketosteroid- ¹ -dehydrogenase, a candidate enzyme for efficient bioconversion of steroids. <i>Journal of Chemical Technology and Biotechnology</i> , 2019, 94, 309-316.	3.2	3
9	Efficient Biosynthesis of High-Value Succinic Acid and 5-Hydroxyleucine Using a Multienzyme Cascade and Whole-Cell Catalysis. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 12502-12510.	5.2	11
10	Soluble expression, purification and biochemical characterization of a C-7 cholesterol dehydrogenase from <i>Drosophila melanogaster</i> . <i>Steroids</i> , 2019, 152, 108495.	1.8	6
11	Biochemical characterization and biocatalytic application of a novel d-tagatose 3-epimerase from <i>Sinorhizobium</i> sp.. <i>RSC Advances</i> , 2019, 9, 2919-2927.	3.6	32
12	Redesign and engineering of a dioxygenase targeting biocatalytic synthesis of 5-hydroxyl leucine. <i>Catalysis Science and Technology</i> , 2019, 9, 1825-1834.	4.1	16
13	Redesign of a novel d-allulose 3-epimerase from <i>Staphylococcus aureus</i> for thermostability and efficient biocatalytic production of d-allulose. <i>Microbial Cell Factories</i> , 2019, 18, 59.	4.0	40
14	A novel l-leucine 5-hydroxylase from <i>Nostoc piscinale</i> unravels unexpected sulfoxidation activity toward l-methionine. <i>Protein Expression and Purification</i> , 2018, 149, 1-6.	1.3	11
15	Biochemical characterization of a novel ulvan lyase from <i>Pseudoalteromonas</i> sp. strain PLSV. <i>RSC Advances</i> , 2018, 8, 2610-2615.	3.6	38
16	Engineering of 3-ketosteroid- ¹ -dehydrogenase based site-directed saturation mutagenesis for efficient biotransformation of steroidal substrates. <i>Microbial Cell Factories</i> , 2018, 17, 141.	4.0	19
17	Research Progress of Squalene Synthase on Function and Application. <i>Lecture Notes in Electrical Engineering</i> , 2018, , 755-765.	0.4	0
18	Research Progress of Aldehyde Ketone Reductase for Asymmetric Catalysis of Chiral Compounds. <i>Lecture Notes in Electrical Engineering</i> , 2018, , 775-781.	0.4	1

#	ARTICLE	IF	CITATIONS
19	Rational design to change product specificities and thermostability of cyclodextrin glycosyltransferase from <i>Paenibacillus</i> sp.. RSC Advances, 2017, 7, 13726-13732.	3.6	5
20	Refolding of a novel cholesterol oxidase from <i>Pimelobacter simplex</i> reveals dehydrogenation activity. Protein Expression and Purification, 2017, 139, 1-7.	1.3	16
21	Rational design of cholesterol oxidase for efficient bioresolution of cholestane skeleton substrates. Scientific Reports, 2017, 7, 16375.	3.3	16
22	Biochemical analysis and the preliminary crystallographic characterization of d-tagatose 3-epimerase from <i>Rhodobacter sphaeroides</i> . Microbial Cell Factories, 2017, 16, 193.	4.0	17
23	Research progress of alginate lyases on function and application. IOP Conference Series: Earth and Environmental Science, 0, 199, 052016.	0.3	2