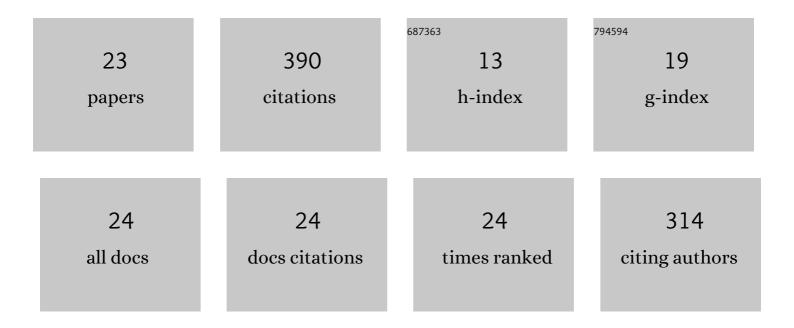
## Zhu zhangliang

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Improving the enzyme property of D-allulose 3-epimerase from a thermophilic organism of Halanaerobium congolense through rational design. Enzyme and Microbial Technology, 2021, 149, 109850.	3.2	15
2	Engineering a thermostable version of D-allulose 3-epimerase from Rhodopirellula baltica via site-directed mutagenesis based on B-factors analysis. Enzyme and Microbial Technology, 2020, 132, 109441.	3.2	33
3	Biochemical characterization and structural analysis of ulvan lyase from marine Alteromonas sp. reveals the basis for its salt tolerance. International Journal of Biological Macromolecules, 2020, 147, 1309-1317.	7.5	21
4	Reshaping the Binding Pocket of Lysine Hydroxylase for Enhanced Activity. ACS Catalysis, 2020, 10, 13946-13956.	11.2	39
5	Development of Engineered Ferredoxin Reductase Systems for the Efficient Hydroxylation of Steroidal Substrates. ACS Sustainable Chemistry and Engineering, 2020, 8, 16720-16730.	6.7	12
6	Efficient Biosynthesis of 2′-Fucosyllactose Using an In Vitro Multienzyme Cascade. Journal of Agricultural and Food Chemistry, 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. Bioresource Technology, 2020, 318, 124261.	9.6	12
8	Biochemical and structural characterization of 3â€ketosteroidâ€î" <sup>1</sup> â€dehydrogenase, a candidate enzyme for efficient bioconversion of steroids. Journal of Chemical Technology and Biotechnology, 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. Journal of Agricultural and Food Chemistry, 2019, 67, 12502-12510.	5.2	11
10	Soluble expression, purification and biochemical characterization of a C-7 cholesterol dehydrogenase from Drosophila melanogaster. Steroids, 2019, 152, 108495.	1.8	6
11	Biochemical characterization and biocatalytic application of a novel d-tagatose 3-epimerase from Sinorhizobium sp RSC Advances, 2019, 9, 2919-2927.	3.6	32
12	Redesign and engineering of a dioxygenase targeting biocatalytic synthesis of 5-hydroxyl leucine. Catalysis Science and Technology, 2019, 9, 1825-1834.	4.1	16
13	Redesign of a novel d-allulose 3-epimerase from Staphylococcus aureus for thermostability and efficient biocatalytic production of d-allulose. Microbial Cell Factories, 2019, 18, 59.	4.0	40
14	A novel I -leucine 5-hydroxylase from Nostoc piscinale unravels unexpected sulfoxidation activity toward I -methionine. Protein Expression and Purification, 2018, 149, 1-6.	1.3	11
15	Biochemical characterization of a novel ulvan lyase from <i>Pseudoalteromonas</i> sp. strain PLSV. RSC Advances, 2018, 8, 2610-2615.	3.6	38
16	Engineering of 3-ketosteroid-â^†1-dehydrogenase based site-directed saturation mutagenesis for efficient biotransformation of steroidal substrates. Microbial Cell Factories, 2018, 17, 141.	4.0	19
17	Research Progress of Squalene Synthase on Function and Application. Lecture Notes in Electrical Engineering, 2018, , 755-765.	0.4	Ο
18	Research Progress of Aldehyde Ketone Reductase for Asymmetric Catalysis of Chiral Compounds. Lecture Notes in Electrical Engineering, 2018, , 775-781.	0.4	1

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#	Article	IF	CITATIONS
19	Rational design to change product specificities and thermostability of cyclodextrin glycosyltransferase from Paenibacillus sp RSC Advances, 2017, 7, 13726-13732.	3.6	5
20	Refolding of a novel cholesterol oxidase from Pimelobacter simplex 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 Rhodobacter sphaeroides. 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