

Hui-Min Qin

List of Publications by Citations

Source: <https://exaly.com/author-pdf/3635082/hui-min-qin-publications-by-citations.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

39
papers

421
citations

13
h-index

17
g-index

45
ext. papers

548
ext. citations

4.8
avg, IF

3.72
L-index

#	Paper	IF	Citations
39	Structural basis for controlling the enzymatic properties of polymannuronate preferred alginate lyase FLAlyA from the PL-7 family. <i>Chemical Communications</i> , 2018 , 54, 555-558	5.8	37
38	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	6.4	28
37	Biochemical characterization and biocatalytic application of a novel d-tagatose 3-epimerase from sp.. <i>RSC Advances</i> , 2019 , 9, 2919-2927	3.7	24
36	Structure and Polymannuronate Specificity of a Eukaryotic Member of Polysaccharide Lyase Family 14. <i>Journal of Biological Chemistry</i> , 2017 , 292, 2182-2190	5.4	21
35	Biochemical characterization of a novel ulvan lyase from sp. strain PLSV.. <i>RSC Advances</i> , 2018 , 8, 2610-2615	3.5	21
34	Engineering a thermostable version of D-allulose 3-epimerase from <i>Rhodospirillum rubrum</i> via site-directed mutagenesis based on B-factors analysis. <i>Enzyme and Microbial Technology</i> , 2020 , 132, 1094-1101	2.8	20
33	Crystal structure of a novel N-substituted L-amino acid dioxygenase from <i>Burkholderia ambifaria</i> AMMD. <i>PLoS ONE</i> , 2013 , 8, e63996	3.7	19
32	Reshaping the Binding Pocket of Lysine Hydroxylase for Enhanced Activity. <i>ACS Catalysis</i> , 2020 , 10, 13946-13956	4.5	18
31	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
30	Laminarinase from <i>Flavobacterium</i> sp. reveals the structural basis of thermostability and substrate specificity. <i>Scientific Reports</i> , 2017 , 7, 11425	4.9	15
29	Structure of conjugated polyketone reductase from <i>Candida parapsilosis</i> IFO 0708 reveals conformational changes for substrate recognition upon NADPH binding. <i>Applied Microbiology and Biotechnology</i> , 2014 , 98, 243-9	5.7	15
28	Structural optimization of SadA, an Fe(II)- and 2-oxoglutarate-dependent dioxygenase targeting biocatalytic synthesis of N-succinyl-L-threo-3,4-dimethoxyphenylserine. <i>Biochemical and Biophysical Research Communications</i> , 2014 , 450, 1458-61	3.4	14
27	L-allo-threonine aldolase with an H128Y/S292R mutation from <i>Aeromonas jandaei</i> DK-39 reveals the structural basis of changes in substrate stereoselectivity. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2014 , 70, 1695-703		14
26	Redesign and engineering of a dioxygenase targeting biocatalytic synthesis of 5-hydroxyl leucine. <i>Catalysis Science and Technology</i> , 2019 , 9, 1825-1834	5.5	13
25	Biochemical analysis and the preliminary crystallographic characterization of D-tagatose 3-epimerase from <i>Rhodobacter sphaeroides</i> . <i>Microbial Cell Factories</i> , 2017 , 16, 193	6.4	13
24	Refolding of a novel cholesterol oxidase from <i>Pimelobacter simplex</i> reveals dehydrogenation activity. <i>Protein Expression and Purification</i> , 2017 , 139, 1-7	2	11
23	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	7.9	10

22	Efficient Biosynthesis of 2XFucosyllactose Using an In Vitro Multienzyme Cascade. <i>Journal of Agricultural and Food Chemistry</i> , 2020 , 68, 10763-10771	5.7	10
21	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	2	9
20	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	5.7	8
19	Two-step biosynthesis of d-allulose via a multienzyme cascade for the bioconversion of fruit juices. <i>Food Chemistry</i> , 2021 , 357, 129746	8.5	8
18	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
17	Rational design of cholesterol oxidase for efficient bioresolution of cholestane skeleton substrates. <i>Scientific Reports</i> , 2017 , 7, 16375	4.9	7
16	A New Nanocatalytic Spectrophotometric Assay for Cationic Surfactant Using Phosphomolybdic Acid-Formic Acid-Nanogold as Indicator Reaction. <i>Chinese Journal of Chemistry</i> , 2012 , 30, 59-64	4.9	6
15	Efficient production of sugar-derived aldonic acids by TCCC11892.. <i>RSC Advances</i> , 2018 , 8, 39897-39901	3.7	6
14	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
13	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
12	Multienzymatic cascade synthesis of fucosyloligosaccharide via a two-step fermentation strategy in <i>Escherichia coli</i> . <i>Biotechnology Letters</i> , 2016 , 38, 1747-52	3	5
11	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
10	Crystal structure of conjugated polyketone reductase (CPR-C1) from <i>Candida parapsilosis</i> IFO 0708 complexed with NADPH. <i>Proteins: Structure, Function and Bioinformatics</i> , 2013 , 81, 2059-63	4.2	5
9	Development of Engineered Ferredoxin Reductase Systems for the Efficient Hydroxylation of Steroidal Substrates. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 16720-16730	8.3	5
8	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
7	Rational design to change product specificities and thermostability of cyclodextrin glycosyltransferase from <i>Paenibacillus</i> sp.. <i>RSC Advances</i> , 2017 , 7, 13726-13732	3.7	3
6	15 β -hydroxylation of D-ethylgonendione by <i>Penicillium raistrickii</i> in deep eutectic solvents DESs containing system. <i>Biochemical Engineering Journal</i> , 2020 , 164, 107781	4.2	3
5	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

4	Expression, purification, crystallization and preliminary X-ray analysis of a novel N-substituted branched-chain L-amino-acid dioxygenase from Burkholderia ambifaria AMMD. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2012 , 68, 1067-9		2
3	Biochemical and structural characterization of a novel thermophilic and acidophilic β mannanase from <i>Aspergillus calidoustus</i> . <i>Enzyme and Microbial Technology</i> , 2021 , 150, 109891	3.8	2
2	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
1	Expression, Purification, Refolding, and Characterization of a Protein From. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020 , 8, 593041	5.8	