

Houjin Zhang

List of Publications by Year in descending order

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papers

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36
all docs

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docs citations

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times ranked

1038
citing authors

#	ARTICLE	IF	CITATIONS
1	Construction of an enzyme-based all-fiber SPR biosensor for detection of enantiomers. <i>Biosensors and Bioelectronics</i> , 2022, 198, 113836.	10.1	15
2	Microbial Consortia Are Needed to Degrade Soil Pollutants. <i>Microorganisms</i> , 2022, 10, 261.	3.6	33
3	Design and Characterization of an Optogenetic System in <i>Pichia pastoris</i> . <i>ACS Synthetic Biology</i> , 2022, 11, 297-307.	3.8	7
4	Analysis of antibiotic resistance genes reveals their important roles in influencing the community structure of ocean microbiome. <i>Science of the Total Environment</i> , 2022, 823, 153731.	8.0	8
5	Biological Nitrogen Removal Database: A Manually Curated Data Resource. <i>Microorganisms</i> , 2022, 10, 431.	3.6	3
6	A Single-Component Blue Light-Induced System Based on EL222 in <i>Yarrowia lipolytica</i> . <i>International Journal of Molecular Sciences</i> , 2022, 23, 6344.	4.1	4
7	A Novel Cre/lox-Based Genetic Tool for Repeated, Targeted and Markerless Gene Integration in <i>Yarrowia lipolytica</i> . <i>International Journal of Molecular Sciences</i> , 2021, 22, 10739.	4.1	7
8	A De Novo Designed Esterase with p-Nitrophenyl Acetate Hydrolysis Activity. <i>Molecules</i> , 2020, 25, 4658.	3.8	7
9	Site-Specific Biofunctionalization of Cellulose and Poly(dimethylsiloxane): A Chemoenzymatic Approach for Surface Engineering. <i>Langmuir</i> , 2020, 36, 15039-15047.	3.5	1
10	Construction of a hydrocarbon-degrading consortium and characterization of two new lipopeptides biosurfactants. <i>Science of the Total Environment</i> , 2020, 714, 136400.	8.0	38
11	Convolution Neural Network-Based Prediction of Protein Thermostability. <i>Journal of Chemical Information and Modeling</i> , 2019, 59, 4833-4843.	5.4	18
12	PMBD: a Comprehensive Plastics Microbial Biodegradation Database. <i>Database: the Journal of Biological Databases and Curation</i> , 2019, 2019, .	3.0	81
13	Agarose-based microwell array chip for high-throughput screening of functional microorganisms. <i>Talanta</i> , 2019, 191, 342-349.	5.5	16
14	Molecular characterization of the hydroxylase HmtN at 1.3 Å resolution. <i>Biochemical and Biophysical Research Communications</i> , 2019, 516, 1033-1038.	2.1	1
15	Recent Advances in Function-based Metagenomic Screening. <i>Genomics, Proteomics and Bioinformatics</i> , 2018, 16, 405-415.	6.9	105
16	Structural analysis of a phosphonate hydroxylase with an access tunnel at the back of the active site. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2016, 72, 362-368.	0.8	4
17	Enhanced H ₂ Production and Redirected Metabolic Flux via Overexpression of <i>fhlA</i> and <i>pncB</i> in <i>Klebsiella</i> HQ-3 Strain. <i>Applied Biochemistry and Biotechnology</i> , 2016, 178, 1113-1128.	2.9	13
18	A new extracellular thermo-solvent-stable lipase from <i>Burkholderia ubonensis</i> SL-4: Identification, characterization and application for biodiesel production. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2016, 126, 76-89.	1.8	60

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19	Analyses of the Binding between Water Soluble C60 Derivatives and Potential Drug Targets through a Molecular Docking Approach. PLoS ONE, 2016, 11, e0147761.	2.5	23
20	Structural Insight of a Trimodular Halophilic Cellulase with a Family 46 Carbohydrate-Binding Module. PLoS ONE, 2015, 10, e0142107.	2.5	6
21	A novel eurythermic and thermostable lipase LipM from <i>Pseudomonas moraviensis</i> M9 and its application in the partial hydrolysis of algal oil. BMC Biotechnology, 2015, 15, 94.	3.3	23
22	Probing role of key residues in the divergent evolution of <i>Yarrowia lipolytica</i> lipase 2 and <i>Aspergillus niger</i> eruloyl esterase A. Microbiological Research, 2015, 178, 27-34.	5.3	9
23	Synthesis and characterization of biobased polyurethane/SiO ₂ nanocomposites from natural <i>Sapium sebiferum</i> oil. RSC Advances, 2015, 5, 27097-27106.	3.6	28
24	Matrix-assisted laser desorption/ionization mass spectrometry analysis of glycans with co-derivatization of asparaginyloligosaccharides. Analytica Chimica Acta, 2015, 896, 102-110.	5.4	10
25	The Aromatic Stacking Interactions Between Proteins and their Macromolecular Ligands. Current Protein and Peptide Science, 2015, 16, 502-512.	1.4	26
26	Characterizing LipR from <i>Pseudomonas</i> sp. R0-14 and Applying in Enrichment of Polyunsaturated Fatty Acids from Algal Oil. Journal of Microbiology and Biotechnology, 2015, 25, 1880-1893.	2.1	10
27	Structural Insight into the Tetramerization of an Iterative Ketoreductase SiaM through Aromatic Residues in the Interfaces. PLoS ONE, 2014, 9, e97996.	2.5	4
28	Molecular modeling and molecular dynamics simulation study of the human Rab9 and RhoBTB3 C-terminus complex. Bioinformatics, 2014, 10, 757-763.	0.5	13
29	Expression, crystallization and preliminary X-ray analysis of McbB, a multifunctional enzyme involved in l ² -carboline skeleton biosynthesis. Acta Crystallographica Section F, Structural Biology Communications, 2014, 70, 1402-1405.	0.8	2
30	Site-directed mutagenesis studies of the aromatic residues at the active site of a lipase from <i>Malassezia globosa</i> . Biochimie, 2014, 102, 29-36.	2.6	34
31	Enhanced Performance of <i>Rhizopus oryzae</i> Lipase Immobilized on Hydrophobic Carriers and Its Application in Biorefinery of Rapeseed Oil Deodorizer Distillate. Bioenergy Research, 2014, 7, 935-945.	3.9	34
32	Enzyme-catalyzed preparation of dimeric acid polyester polyol from biodiesel and its further use in the synthesis of polyurethane. RSC Advances, 2014, 4, 31062.	3.6	11
33	The Two-Component GacS-GacA System Activates lipA Translation by RsmE but Not RsmA in <i>Pseudomonas protegens</i> Pf-5. Applied and Environmental Microbiology, 2014, 80, 6627-6637.	3.1	17
34	N-terminal transmembrane domain of lipase LipA from <i>Pseudomonas protegens</i> Pf-5: A must for its efficient folding into an active conformation. Biochimie, 2014, 105, 165-171.	2.6	8
35	Structural analysis of HmtT and HmtN involved in the tailoring steps of himastatin biosynthesis. FEBS Letters, 2013, 587, 1675-1680.	2.8	26
36	Contribution to the Knowledge of Trichoptera from Dabie Mountains, East Central China, with Descriptions of Seven New Species. Oriental Insects, 0, , 1-23.	0.3	0