

Houjin Zhang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3663137/publications.pdf>

Version: 2024-02-01

36
papers

705
citations

623734

14
h-index

580821

25
g-index

36
all docs

36
docs citations

36
times ranked

1038
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent Advances in Function-based Metagenomic Screening. <i>Genomics, Proteomics and Bioinformatics</i> , 2018, 16, 405-415.	6.9	105
2	PMBD: a Comprehensive Plastics Microbial Biodegradation Database. <i>Database: the Journal of Biological Databases and Curation</i> , 2019, 2019, .	3.0	81
3	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
4	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
5	Site-directed mutagenesis studies of the aromatic residues at the active site of a lipase from <i>Malassezia globosa</i> . <i>Biochimie</i> , 2014, 102, 29-36.	2.6	34
6	Enhanced Performance of <i>Rhizopus oryzae</i> Lipase Immobilized on Hydrophobic Carriers and Its Application in Biorefinery of Rapeseed Oil Deodorizer Distillate. <i>Bioenergy Research</i> , 2014, 7, 935-945.	3.9	34
7	Microbial Consortia Are Needed to Degrade Soil Pollutants. <i>Microorganisms</i> , 2022, 10, 261.	3.6	33
8	Synthesis and characterization of biobased polyurethane/SiO ₂ nanocomposites from natural <i>Sapium sebiferum</i> oil. <i>RSC Advances</i> , 2015, 5, 27097-27106.	3.6	28
9	Structural analysis of HmtT and HmtN involved in the tailoring steps of himastatin biosynthesis. <i>FEBS Letters</i> , 2013, 587, 1675-1680.	2.8	26
10	The Aromatic Stacking Interactions Between Proteins and their Macromolecular Ligands. <i>Current Protein and Peptide Science</i> , 2015, 16, 502-512.	1.4	26
11	A novel eurythermic and thermostable lipase LipM from <i>Pseudomonas moraviensis</i> M9 and its application in the partial hydrolysis of algal oil. <i>BMC Biotechnology</i> , 2015, 15, 94.	3.3	23
12	Analyses of the Binding between Water Soluble C60 Derivatives and Potential Drug Targets through a Molecular Docking Approach. <i>PLoS ONE</i> , 2016, 11, e0147761.	2.5	23
13	Convolution Neural Network-Based Prediction of Protein Thermostability. <i>Journal of Chemical Information and Modeling</i> , 2019, 59, 4833-4843.	5.4	18
14	The Two-Component GacS-GacA System Activates lipA Translation by RsmE but Not RsmA in <i>Pseudomonas protegens</i> Pf-5. <i>Applied and Environmental Microbiology</i> , 2014, 80, 6627-6637.	3.1	17
15	Agarose-based microwell array chip for high-throughput screening of functional microorganisms. <i>Talanta</i> , 2019, 191, 342-349.	5.5	16
16	Construction of an enzyme-based all-fiber SPR biosensor for detection of enantiomers. <i>Biosensors and Bioelectronics</i> , 2022, 198, 113836.	10.1	15
17	Molecular modeling and molecular dynamics simulation study of the human Rab9 and RhoBTB3 C-terminus complex. <i>Bioinformation</i> , 2014, 10, 757-763.	0.5	13
18	Enhanced H ₂ Production and Redirected Metabolic Flux via Overexpression of fhIA and pncB in <i>Klebsiella</i> HQ-3 Strain. <i>Applied Biochemistry and Biotechnology</i> , 2016, 178, 1113-1128.	2.9	13

#	ARTICLE	IF	CITATIONS
19	Enzyme-catalyzed preparation of dimeric acid polyester polyol from biodiesel and its further use in the synthesis of polyurethane. <i>RSC Advances</i> , 2014, 4, 31062.	3.6	11
20	Matrix-assisted laser desorption/ionization mass spectrometry analysis of glycans with co-derivatization of asparaginyoligosaccharides. <i>Analytica Chimica Acta</i> , 2015, 896, 102-110.	5.4	10
21	Characterizing LipR from <i>Pseudomonas</i> sp. R0-14 and Applying in Enrichment of Polyunsaturated Fatty Acids from Algal Oil. <i>Journal of Microbiology and Biotechnology</i> , 2015, 25, 1880-1893.	2.1	10
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. <i>Microbiological Research</i> , 2015, 178, 27-34.	5.3	9
23	N-terminal transmembrane domain of lipase LipA from <i>Pseudomonas protegens</i> Pf-5: A must for its efficient folding into an active conformation. <i>Biochimie</i> , 2014, 105, 165-171.	2.6	8
24	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
25	A De Novo Designed Esterase with p-Nitrophenyl Acetate Hydrolysis Activity. <i>Molecules</i> , 2020, 25, 4658.	3.8	7
26	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
27	Design and Characterization of an Optogenetic System in <i>Pichia pastoris</i> . <i>ACS Synthetic Biology</i> , 2022, 11, 297-307.	3.8	7
28	Structural Insight of a Trimodular Halophilic Cellulase with a Family 46 Carbohydrate-Binding Module. <i>PLoS ONE</i> , 2015, 10, e0142107.	2.5	6
29	Structural Insight into the Tetramerization of an Iterative Ketoreductase SiaM through Aromatic Residues in the Interfaces. <i>PLoS ONE</i> , 2014, 9, e97996.	2.5	4
30	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
31	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
32	Biological Nitrogen Removal Database: A Manually Curated Data Resource. <i>Microorganisms</i> , 2022, 10, 431.	3.6	3
33	Expression, crystallization and preliminary X-ray analysis of McbB, a multifunctional enzyme involved in l ² -carboline skeleton biosynthesis. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2014, 70, 1402-1405.	0.8	2
34	Molecular characterization of the hydroxylase HmtN at 1.3Å... resolution. <i>Biochemical and Biophysical Research Communications</i> , 2019, 516, 1033-1038.	2.1	1
35	Site-Specific Biofunctionalization of Cellulose and Poly(dimethylsiloxane): A Chemoenzymatic Approach for Surface Engineering. <i>Langmuir</i> , 2020, 36, 15039-15047.	3.5	1
36	Contribution to the Knowledge of Trichoptera from Dabie Mountains, East Central China, with Descriptions of Seven New Species. <i>Oriental Insects</i> , 0, , 1-23.	0.3	0