

Haiyang Cui

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

526
citations

623734

14
h-index

677142

22
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30
all docs

30
docs citations

30
times ranked

395
citing authors

#	ARTICLE	IF	CITATIONS
1	Directed Evolution of a Bacterial Laccase (CueO) for Enzymatic Biofuel Cells. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 4562-4565.	13.8	57
2	Computer-Assisted Recombination (CompassR) Teaches us How to Recombine Beneficial Substitutions from Directed Evolution Campaigns. <i>Chemistry - A European Journal</i> , 2020, 26, 643-649.	3.3	57
3	Enzyme Hydration Determines Resistance in Organic Cosolvents. <i>ACS Catalysis</i> , 2020, 10, 14847-14856.	11.2	53
4	How to Engineer Organic Solvent Resistant Enzymes: Insights from Combined Molecular Dynamics and Directed Evolution Study. <i>ChemCatChem</i> , 2020, 12, 4073-4083.	3.7	45
5	Less Unfavorable Salt Bridges on the Enzyme Surface Result in More Organic Cosolvent Resistance. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 11448-11456.	13.8	45
6	Rapid and Oriented Immobilization of Laccases on Electrodes via a Methionine-Rich Peptide. <i>ACS Catalysis</i> , 2021, 11, 2445-2453.	11.2	31
7	CompassR Yields Highly Organic-Solvent-Tolerant Enzymes through Recombination of Compatible Substitutions. <i>Chemistry - A European Journal</i> , 2021, 27, 2789-2797.	3.3	28
8	Regulation of the Docosapentaenoic Acid/Docosahexaenoic Acid Ratio (DPA/DHA Ratio) in <i>Schizochytrium limacinum</i> B4D1. <i>Applied Biochemistry and Biotechnology</i> , 2017, 182, 67-81.	2.9	27
9	CompassR-guided recombination unlocks design principles to stabilize lipases in ILs with minimal experimental efforts. <i>Green Chemistry</i> , 2021, 23, 3474-3486.	9.0	26
10	Chemogenetic Evolution of a Peroxidase-like Artificial Metalloenzyme. <i>ACS Catalysis</i> , 2021, 11, 5079-5087.	11.2	21
11	Efficient enzyme-catalyzed production of diosgenin: inspired by the biotransformation mechanisms of steroid saponins in <i>Talaromyces stollii</i> CLY-6. <i>Green Chemistry</i> , 2021, 23, 5896-5910.	9.0	17
12	Polar Substitutions on the Surface of a Lipase Substantially Improve Tolerance in Organic Solvents. <i>ChemSusChem</i> , 2022, 15, .	6.8	17
13	How humic acid and Tween80 improve the phenanthrene biodegradation efficiency: Insight from cellular characteristics and quantitative proteomics. <i>Journal of Hazardous Materials</i> , 2022, 421, 126685.	12.4	16
14	A novel β -L-Rhamnosidase renders efficient and clean production of icaritin. <i>Journal of Cleaner Production</i> , 2022, 341, 130903.	9.3	15
15	How Does Surface Charge Engineering of <i>Bacillus subtilis</i> Lipase A Improve Ionic Liquid Resistance? Lessons Learned from Molecular Dynamics Simulations. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 2689-2698.	6.7	15
16	Engineering of Laccase CueO for Improved Electron Transfer in Bioelectrocatalysis by Semi-Rational Design. <i>Chemistry - A European Journal</i> , 2020, 26, 4974-4979.	3.3	11
17	Directed Evolution of a Bacterial Laccase (CueO) for Enzymatic Biofuel Cells. <i>Angewandte Chemie</i> , 2019, 131, 4610-4613.	2.0	7
18	Loop engineering of aryl sulfotransferase B for improving catalytic performance in regioselective sulfation. <i>Catalysis Science and Technology</i> , 2020, 10, 2369-2377.	4.1	6

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19	Less Unfavorable Salt Bridges on the Enzyme Surface Result in More Organic Cosolvent Resistance. <i>Angewandte Chemie</i> , 2021, 133, 11549-11557.	2.0	6
20	Recombination of Compatible Substitutions by 2GenReP and InSiReP. <i>Methods in Molecular Biology</i> , 2022, 2397, 71-81.	0.9	6
21	Fe(iii)-complex mediated bacterial cell surface immobilization of eGFP and enzymes. <i>Chemical Communications</i> , 2021, 57, 4460-4463.	4.1	4
22	Efficient production of the anti-aging drug Cycloastragenol: insight from two Glycosidases by enzyme mining. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 9991-10004.	3.6	3
23	Using Molecular Simulation to Guide Protein Engineering for Biocatalysis in Organic Solvents. <i>Methods in Molecular Biology</i> , 2022, 2397, 179-202.	0.9	3
24	Optimized Hemolysin Type 1 Secretion System in <i>Escherichia coli</i> by Directed Evolution of the Hly Enhancer Fragment and Including a Terminator Region. <i>ChemBioChem</i> , 2022, , .	2.6	3
25	Using Low Molecular Weight Organic Acids to Enhance Microbial Degradation of Polycyclic Aromatic Hydrocarbons: Current Understanding and Future Perspectives. <i>Water (Switzerland)</i> , 2021, 13, 446.	2.7	2
26	An integrative approach enables high bioresource utilization and bioethanol production from whole stillage. <i>Bioresource Technology</i> , 2022, 343, 126153.	9.6	2
27	Engineering of Laccase CueO for Improved Electron Transfer in Bioelectrocatalysis by Semi-rational Design. <i>Chemistry - A European Journal</i> , 2020, 26, 4884-4884.	3.3	0