Lei Huang

List of Publications by Year
in descending order

13	372	687363 13	1125743 13
papers	citations	h-index	g-index

13	13	13	467
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Impact of deep eutectic solvents (DESs) and individual DES components on alcohol dehydrogenase catalysis: connecting experimental data and molecular dynamics simulations. Green Chemistry, 2022, 24, 1120-1131.	9.0	37
2	Comparison and Validation of Force Fields for Deep Eutectic Solvents in Combination with Water and Alcohol Dehydrogenase. Journal of Chemical Theory and Computation, 2021, 17, 5322-5341.	5.3	17
3	Modeling Alcohol Dehydrogenase Catalysis in Deep Eutectic Solvent/Water Mixtures. ChemBioChem, 2020, 21, 811-817.	2.6	28
4	Deep Eutectic Solvents as Smart Cosubstrate in Alcohol Dehydrogenase-Catalyzed Reductions. Catalysts, 2020, 10, 1013.	3.5	13
5	Enzymatic Ringâ€Opening Polymerization of Lactones: Traditional Approaches and Alternative Strategies. ChemCatChem, 2019, 11, 4983-4997.	3.7	30
6	Convergent Cascade Catalyzed by Monooxygenaseâ€“Alcohol Dehydrogenase Fusion Applied in Organic Media. ChemBioChem, 2019, 20, 1653-1658.	2.6	20
7	Horse Liver Alcohol Dehydrogenase-Catalyzed Oxidative Lactamization of Amino Alcohols. ACS Catalysis, 2018, 8, 8680-8684.	11.2	35
8	Nicotinamide Adenine Dinucleotideâ€Dependent Redoxâ€Neutral Convergent Cascade for Lactonizations with Type II Flavinâ€Containing Monooxygenase. Advanced Synthesis and Catalysis, 2017, 359, 2142-2148.	4.3	27
9	Preparation of Structurally Diverse Chiral Alcohols by Engineering Ketoreductase CgKR1. ACS Catalysis, 2017, 7, 7174-7181.	11.2	74
10	Significantly improved thermostability of a reductase CgKR1 from Candida glabrata with a key mutation at Asp 138 for enhancing bioreduction of aromatic Î±-keto esters. Journal of Biotechnology, 2015, 203, 54-61.	3.8	20
11	Biosynthesis of Ethyl (S)-4-Chloro-3-Hydroxybutanoate by NADH-Dependent Reductase from E. coli CCZU-Y10 Discovered by Genome Data Mining Using Mannitol as Cosubstrate. Applied Biochemistry and Biotechnology, 2014, 173, 2042-2053.	2.9	15
12	Altering the Substrate Specificity of Reductase CgKR1 from Candida glabrata by Protein Engineering for Bioreduction of Aromatic Î±â€Keto Esters. Advanced Synthesis and Catalysis, 2014, 356, 1943-1948.	4.3	27
13	Highly Efficient Synthesis of (R)-3-Quinuclidinol in a Spaceâ€“Time Yield of 916 g L^{â€“1} d^{â€“1} Using a New Bacterial Reductase ArQR. Organic Letters, 2013, 15, 4917-4919.	4.6	29