Kai Deng

List of Publications by Year
in descending order

10	224	1163117 8	1372567 10
papers	citations	h-index	g-index

10	10	10	321
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Structural and Biochemical Characterization of the Early and Late Enzymes in the Lignin Î²-Aryl Ether Cleavage Pathway from Sphingobium sp. SYK-6. Journal of Biological Chemistry, 2016, 291, 10228-10238.	3.4	44
2	Structural Basis of Stereospecificity in the Bacterial Enzymatic Cleavage of Î²-Aryl Ether Bonds in Lignin. Journal of Biological Chemistry, 2016, 291, 5234-5246.	3.4	40
3	Rapid Kinetic Characterization of Glycosyl Hydrolases Based on Oxime Derivatization and Nanostructure-Initiator Mass Spectrometry (NIMS). ACS Chemical Biology, 2014, 9, 1470-1479.	3.4	36
4	Acoustic deposition with NIMS as a high-throughput enzyme activity assay. Analytical and Bioanalytical Chemistry, 2012, 403, 707-711.	3.7	33
5	Encoding substrates with mass tags to resolve stereospecific reactions using Nimzyme. Rapid Communications in Mass Spectrometry, 2012, 26, 611-615.	1.5	20
6	Development of a High Throughput Platform for Screening Glycoside Hydrolases Based on Oxime-NIMS. Frontiers in Bioengineering and Biotechnology, 2015, 3, 153.	4.1	14
7	Rapid characterization of the activities of lignin-modifying enzymes based on nanostructure-initiator mass spectrometry (NIMS). Biotechnology for Biofuels, 2018, 11, 266.	6.2	14
8	Experimental and theoretical insights into the effects of pH on catalysis of bond-cleavage by the lignin peroxidase isozyme H8 from Phanerochaete chrysosporium. Biotechnology for Biofuels, 2021, 14, 108.	6.2	10
9	A multiplexed nanostructure-initiator mass spectrometry (NIMS) assay for simultaneously detecting glycosyl hydrolase and lignin modifying enzyme activities. Scientific Reports, 2021, 11, 11803.	3.3	7
10	Use of Nanostructure-Initiator Mass Spectrometry to Deduce Selectivity of Reaction in Glycoside Hydrolases. Frontiers in Bioengineering and Biotechnology, 2015, 3, 165.	4.1	6