

Kai Deng

List of Publications by Year in descending order

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10
papers

224
citations

1163117

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1372567

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docs citations

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321
citing authors

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