

Keith Gourlay

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

689
citations

1040056

9
h-index

1281871

11
g-index

11
all docs

11
docs citations

11
times ranked

878
citing authors

#	ARTICLE	IF	CITATIONS
1	Substrate factors that influence the synergistic interaction of AA9 and cellulases during the enzymatic hydrolysis of biomass. <i>Energy and Environmental Science</i> , 2014, 7, 2308-2315.	30.8	193
2	The addition of accessory enzymes enhances the hydrolytic performance of cellulase enzymes at high solid loadings. <i>Bioresource Technology</i> , 2015, 186, 149-153.	9.6	150
3	Swollenin aids in the amorphogenesis step during the enzymatic hydrolysis of pretreated biomass. <i>Bioresource Technology</i> , 2013, 142, 498-503.	9.6	115
4	Use of substructure-specific carbohydrate binding modules to track changes in cellulose accessibility and surface morphology during the amorphogenesis step of enzymatic hydrolysis. <i>Biotechnology for Biofuels</i> , 2012, 5, 51.	6.2	57
5	The Use of Carbohydrate Binding Modules (CBMs) to Monitor Changes in Fragmentation and Cellulose Fiber Surface Morphology during Cellulase- and Swollenin-induced Deconstruction of Lignocellulosic Substrates. <i>Journal of Biological Chemistry</i> , 2015, 290, 2938-2945.	3.4	43
6	Biomass-water interactions correlate to recalcitrance and are intensified by pretreatment: An investigation of water constraint and retention in pretreated spruce using low field NMR and water retention value techniques. <i>Biotechnology Progress</i> , 2017, 33, 146-153.	2.6	38
7	The enzymatic hydrolysis of pretreated pulp fibers predominantly involves "peeling/erosion" modes of action. <i>Biotechnology for Biofuels</i> , 2014, 7, 87.	6.2	34
8	The Accessible Cellulose Surface Influences Cellulase Synergism during the Hydrolysis of Lignocellulosic Substrates. <i>ChemSusChem</i> , 2015, 8, 901-907.	6.8	31
9	The potential of endoglucanases to rapidly and specifically enhance the rheological properties of micro/nanofibrillated cellulose. <i>Cellulose</i> , 2018, 25, 977-986.	4.9	16
10	Controllable synthesis uniform spherical bacterial cellulose and their potential applications. <i>Cellulose</i> , 2019, 26, 8325-8336.	4.9	9
11	Surfactant-free cellulose filaments stabilized oil in water emulsions. <i>Cellulose</i> , 2022, 29, 985-1001.	4.9	3