Fan Hu

List of Publications by Year
in descending order

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15 papers	1,949 citations	687220 13 h-index	1125617 13 g-index
15 all docs	15 docs citations	15 times ranked	2341 citing authors

#	Article	IF	Citations
1	Topochemical Understanding of Lignin Distribution During Hydrothermal Flowthrough Pretreatment. ChemistrySelect, 2018, 3, 9348-9352.	0.7	16
2	Os<scp>CESA</scp>9 conservedâ€site mutation leads to largely enhanced plant lodging resistance and biomass enzymatic saccharification by reducing cellulose <scp>DP</scp> and crystallinity in rice. Plant Biotechnology Journal, 2017, 15, 1093-1104.	4.1	143
3	Lignin Structural Alterations in Thermochemical Pretreatments with Limited Delignification. Bioenergy Research, 2015, 8, 992-1003.	2.2	69
4	CHAPTER 3: REDUCTION OF BIOMASS RECALCITRANCE VIA WATER/ACID PRETREATMENTS. Materials and Energy, 2014, , 45-73.	2.5	0
5	Suppression of pseudo-lignin formation under dilute acid pretreatment conditions. RSC Advances, 2014, 4, 4317-4323.	1.7	47
6	Noble metal catalyzed aqueous phase hydrogenation and hydrodeoxygenation of lignin-derived pyrolysis oil and related model compounds. Bioresource Technology, 2014, 173, 6-10.	4.8	68
7	Assessing the molecular structure basis for biomass recalcitrance during dilute acid and hydrothermal pretreatments. Biotechnology for Biofuels, 2013, 6, 15.	6.2	468
8	Three lignocellulose features that distinctively affect biomass enzymatic digestibility under NaOH and H2SO4 pretreatments in Miscanthus. Bioresource Technology, 2013, 130, 30-37.	4.8	111
9	Carbohydrate derivedâ€pseudoâ€lignin can retard cellulose biological conversion. Biotechnology and Bioengineering, 2013, 110, 737-753.	1.7	174
10	Impact of Pseudolignin versus Dilute Acid-Pretreated Lignin on Enzymatic Hydrolysis of Cellulose. ACS Sustainable Chemistry and Engineering, 2013, 1, 62-65.	3.2	66
11	Investigation of the fate of poplar lignin during autohydrolysis pretreatment to understand the biomass recalcitrance. RSC Advances, 2013, 3, 5305.	1.7	72
12	A â€˜Twitterâ€™ Generation Perspective onâ€‰Biorefining. Biofuels, Bioproducts and Biorefining, 2013, 7, 629-633.	1.9	0
13	A Novel Oxidative Pretreatment of Loblolly Pine, Sweetgum, and Miscanthus by Ozone. Journal of Wood Chemistry and Technology, 2012, 32, 361-375.	0.9	22
14	Pretreatment and Lignocellulosic Chemistry. Bioenergy Research, 2012, 5, 1043-1066.	2.2	366
15	Pseudo-lignin formation and its impact on enzymatic hydrolysis. Bioresource Technology, 2012, 117, 7-12.	4.8	327