Donglin Xin

List of Publications by Year
in descending order

24 papers	443 citations	758635 12 h-index	752256 20 g-index
24 all docs	24 docs citations	24 times ranked	519 citing authors

#	Article	IF	Citations
1	Improving cellulases hydrolytic action: An expanded role for electron donors of lytic polysaccharide monooxygenases in cellulose saccharification. Bioresource Technology, 2022, 346, 126662.	4.8	6
2	Double bonus: surfactant-assisted biomass pelleting benefits both the pelleting process and subsequent enzymatic saccharification of the pretreated pellets. Green Chemistry, 2021, 23, 1050-1061.	4.6	18
3	Efficient deconstruction of Chinese silvergrass by FeCl3-catalyzed Î³-valerolactone/water system under mild reaction condition. Industrial Crops and Products, 2021, 165, 113405.	2.5	5
4	Improving cellulase recycling efficiency by decreasing the inhibitory effect of unhydrolyzed solid on recycled corn stover saccharification. Renewable Energy, 2020, 145, 215-221.	4.3	15
5	Factors affecting the hydrolytic action of xylanase during pennisetum saccharification: role of lignin. Cellulose, 2020, 27, 3143-3152.	2.4	4
6	Insight into the role of Î±-arabinofuranosidase in biomass hydrolysis: cellulose digestibility and inhibition by xylooligomers. Biotechnology for Biofuels, 2019, 12, 64.	6.2	25
7	Acetone-butanol-ethanol solvents improved enzymatic hydrolysis of pretreated energy grass. Fuel, 2019, 245, 406-412.	3.4	9
8	Factors affecting hydrolytic action of xylanase during pennisetum saccharification: Role of cellulose and its derivatives. Industrial Crops and Products, 2019, 130, 49-56.	2.5	7
9	Influence of size reduction treatments on sugar recovery from Norway spruce for butanol production. Bioresource Technology, 2018, 257, 113-120.	4.8	19
10	Simplified sodium chlorite pretreatment for carbohydrates retention and efficient enzymatic saccharification of silvergrass. Bioresource Technology, 2018, 261, 223-231.	4.8	43
11	Recovering Activities of Inactivated Cellulases by the Use of Mannanase in Spruce Hydrolysis. ACS Sustainable Chemistry and Engineering, 2017, 5, 5265-5272.	3.2	7
12	Improving the Hydrolytic Action of Cellulases by Tween 80: Offsetting the Lost Activity of Cellobiohydrolase Cel7A. ACS Sustainable Chemistry and Engineering, 2017, 5, 11339-11345.	3.2	27
13	Physicochemical characterization and enzymatic digestibility of Chinese pennisetum pretreated with 1-ethyl-3-methylimidazolium acetate at moderate temperatures. Renewable Energy, 2016, 91, 409-416.	4.3	13
14	The access of Trichoderma reesei 6A to cellulose is blocked by isolated hemicelluloses and their derivatives in biomass hydrolysis. RSC Advances, 2016, 6, 73859-73868.	1.7	9
15	Rapid determination of chemical composition and classification of bamboo fractions using visibleâ€“near infrared spectroscopy coupled with multivariate data analysis. Biotechnology for Biofuels, 2016, 9, 35.	6.2	33
16	Structural properties and hydrolysabilities of Chinese Pennisetum and Hybrid Pennisetum: Effect of aqueous ammonia pretreatment. Bioresource Technology, 2016, 199, 211-219.	4.8	30
17	Role of hemicellulases in production of fermentable sugars from corn stover. Industrial Crops and Products, 2015, 74, 209-217.	2.5	31
18	Comparison of aqueous ammonia and dilute acid pretreatment of bamboo fractions: Structure properties and enzymatic hydrolysis. Bioresource Technology, 2015, 175, 529-536.	4.8	66

#	Article	IF	Citations
19	Competitive inhibition of cellobiohydrolase I by manno-oligosaccharides. Enzyme and Microbial Technology, 2015, 68, 62-68.	1.6	11
20	Behavior of Cellulose and Xylan in Aqueous Ammonia Pretreatment. Applied Biochemistry and Biotechnology, 2014, 174, 2626-2638.	1.4	8
21	Enhanced Xylanase Performance in the Hydrolysis of Lignocellulosic Materials by Surfactants and Non-catalytic Protein. Applied Biochemistry and Biotechnology, 2014, 172, 2106-2118.	1.4	12
22	Hydrolyzabilities of Different Corn Stover Fractions After Aqueous Ammonia Pretreatment. Applied Biochemistry and Biotechnology, 2014, 172, 1506-1516.	1.4	8
23	Evaluation of aqueous ammonia pretreatment for enzymatic hydrolysis of different fractions of bamboo shoot and mature bamboo. Bioresource Technology, 2014, 173, 198-206.	4.8	26
24	Comparison of the Delignifiability and Hydrolysability of Wheat Straw and Corn Stover in Aqueous Ammonia Pretreatment. BioResources, 2013, 8, .	0.5	11