

# Qining Sun

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7026925/publications.pdf>

Version: 2024-02-01

26  
papers

1,641  
citations

471509

17  
h-index

610901

24  
g-index

27  
all docs

27  
docs citations

27  
times ranked

2614  
citing authors

#	ARTICLE	IF	CITATIONS
1	Advanced Chemical Design for Efficient Lignin Bioconversion. ACS Sustainable Chemistry and Engineering, 2017, 5, 2215-2223.	6.7	75
2	Effect of autohydrolysis pretreatment on biomass structure and the resulting bio-oil from a pyrolysis process. Fuel, 2017, 206, 494-503.	6.4	30
3	Comparison of autohydrolysis and ionic liquid 1-butyl-3-methylimidazolium acetate pretreatment to enhance enzymatic hydrolysis of sugarcane bagasse. Bioresource Technology, 2017, 224, 714-720.	9.6	55
4	Physicochemical Structural Changes of Poplar and Switchgrass during Biomass Pretreatment and Enzymatic Hydrolysis. ACS Sustainable Chemistry and Engineering, 2016, 4, 4563-4572.	6.7	73
5	A study of poplar organosolv lignin after melt rheology treatment as carbon fiber precursors. Green Chemistry, 2016, 18, 5015-5024.	9.0	85
6	Structural Transformation of Isolated Poplar and Switchgrass Lignins during Dilute Acid Treatment. ACS Sustainable Chemistry and Engineering, 2015, 3, 2203-2210.	6.7	35
7	Microbial lipid production by oleaginous Rhodococci cultured in lignocellulosic autohydrolysates. Applied Microbiology and Biotechnology, 2015, 99, 7369-7377.	3.6	47
8	Insights into the effect of dilute acid, hot water or alkaline pretreatment on the cellulose accessible surface area and the overall porosity of Populus. Green Chemistry, 2015, 17, 4239-4246.	9.0	146
9	The Effect of Alkaline Pretreatment Methods on Cellulose Structure and Accessibility. ChemSusChem, 2015, 8, 275-279.	6.8	139
10	Lignin Structure and Aggregation Behavior in a Two-Component Ionic Liquid Solvent System. BioResources, 2014, 9, .	1.0	12
11	Effect of lignin content on changes occurring in poplar cellulose ultrastructure during dilute acid pretreatment. Biotechnology for Biofuels, 2014, 7, 150.	6.2	113
12	CHAPTER 6: ENZYMATIC DECONSTRUCTION OF LIGNOCELLULOSE TO FERMENTABLE SUGARS. Materials and Energy, 2014, , 127-153.	0.1	0
13	CHAPTER 7: FERMENTATION TO BIOETHANOL/BIOBUTANOL. Materials and Energy, 2014, , 155-189.	0.1	3
14	Effect of different catalysts on urea-formaldehyde resin synthesis. Journal of Applied Polymer Science, 2014, 131, .	2.6	16
15	High Shear Homogenization of Lignin to Nanolignin and Thermal Stability of Nanolignin-Polyvinyl Alcohol Blends. ChemSusChem, 2014, 7, 3513-3520.	6.8	199
16	Nanocomposite film prepared by depositing xylan on cellulose nanowhiskers matrix. Green Chemistry, 2014, 16, 3458.	9.0	17
17	Effect of D2O on Growth Properties and Chemical Structure of Annual Ryegrass (Lolium) Tj ETQq1 1 0.784314 rgBT   Overlock 10 Tf 5	5.2	18
18	Preparation and characteristics of cellulose nanowhisker reinforced acrylic foams synthesized by freeze-casting. RSC Advances, 2014, 4, 12148.	3.6	14

#	ARTICLE	IF	CITATIONS
19	Comparison of changes in cellulose ultrastructure during different pretreatments of poplar. <i>Cellulose</i> , 2014, 21, 2419-2431.	4.9	47
20	Changes in Chemical Composition and Microstructure of Bamboo after Gamma Ray Irradiation. <i>BioResources</i> , 2014, 9, .	1.0	6
21	NMR a critical tool to study the production of carbon fiber from lignin. <i>Carbon</i> , 2013, 52, 65-73.	10.3	103
22	A "Twitter"™ Generation Perspective on Biorefining. <i>Biofuels, Bioproducts and Biorefining</i> , 2013, 7, 629-633.	3.7	0
23	Modification of Bleached Bamboo Fiber using Cationic Guar Gum for Fiberboard. <i>BioResources</i> , 2013, 8, .	1.0	1
24	<i>Miscanthus</i> : a fast-growing crop for biofuels and chemicals production. <i>Biofuels, Bioproducts and Biorefining</i> , 2012, 6, 580-598.	3.7	360
25	Characterization and performance of melamine enhanced urea formaldehyde resin for bonding southern pine particleboard. <i>Journal of Applied Polymer Science</i> , 2011, 119, 3538-3543.	2.6	28
26	Chemical Groups and Structural Characterization of Brown-Rotted <i>Pinus massoniana</i> Lignin. <i>International Journal of Polymer Analysis and Characterization</i> , 2009, 14, 19-33.	1.9	18