

Qining Sun

List of Publications by Year in descending order

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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 | <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 |
| 2 | High Shear Homogenization of Lignin to Nanolignin and Thermal Stability of Nanolignin-Polyvinyl Alcohol Blends. <i>ChemSusChem</i> , 2014, 7, 3513-3520. | 6.8 | 199 |
| 3 | Insights into the effect of dilute acid, hot water or alkaline pretreatment on the cellulose accessible surface area and the overall porosity of <i>Populus</i> . <i>Green Chemistry</i> , 2015, 17, 4239-4246. | 9.0 | 146 |
| 4 | The Effect of Alkaline Pretreatment Methods on Cellulose Structure and Accessibility. <i>ChemSusChem</i> , 2015, 8, 275-279. | 6.8 | 139 |
| 5 | Effect of lignin content on changes occurring in poplar cellulose ultrastructure during dilute acid pretreatment. <i>Biotechnology for Biofuels</i> , 2014, 7, 150. | 6.2 | 113 |
| 6 | NMR a critical tool to study the production of carbon fiber from lignin. <i>Carbon</i> , 2013, 52, 65-73. | 10.3 | 103 |
| 7 | A study of poplar organosolv lignin after melt rheology treatment as carbon fiber precursors. <i>Green Chemistry</i> , 2016, 18, 5015-5024. | 9.0 | 85 |
| 8 | Advanced Chemical Design for Efficient Lignin Bioconversion. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 2215-2223. | 6.7 | 75 |
| 9 | Physicochemical Structural Changes of Poplar and Switchgrass during Biomass Pretreatment and Enzymatic Hydrolysis. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 4563-4572. | 6.7 | 73 |
| 10 | Comparison of autohydrolysis and ionic liquid 1-butyl-3-methylimidazolium acetate pretreatment to enhance enzymatic hydrolysis of sugarcane bagasse. <i>Bioresource Technology</i> , 2017, 224, 714-720. | 9.6 | 55 |
| 11 | Comparison of changes in cellulose ultrastructure during different pretreatments of poplar. <i>Cellulose</i> , 2014, 21, 2419-2431. | 4.9 | 47 |
| 12 | Microbial lipid production by oleaginous <i>Rhodococci</i> cultured in lignocellulosic autohydrolysates. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 7369-7377. | 3.6 | 47 |
| 13 | Structural Transformation of Isolated Poplar and Switchgrass Lignins during Dilute Acid Treatment. <i>ACS Sustainable Chemistry and Engineering</i> , 2015, 3, 2203-2210. | 6.7 | 35 |
| 14 | Effect of autohydrolysis pretreatment on biomass structure and the resulting bio-oil from a pyrolysis process. <i>Fuel</i> , 2017, 206, 494-503. | 6.4 | 30 |
| 15 | 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 |
| 16 | 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 |
| 17 | Effect of D2O on Growth Properties and Chemical Structure of Annual Ryegrass (<i>Lolium</i>) | 5.2 | 18 |
| 18 | Nanocomposite film prepared by depositing xylan on cellulose nanowhiskers matrix. <i>Green Chemistry</i> , 2014, 16, 3458. | 9.0 | 17 |

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|----|---|-----|-----------|
| 19 | Effect of different catalysts on urea-formaldehyde resin synthesis. Journal of Applied Polymer Science, 2014, 131, . | 2.6 | 16 |
| 20 | Preparation and characteristics of cellulose nanowhisiker reinforced acrylic foams synthesized by freeze-casting. RSC Advances, 2014, 4, 12148. | 3.6 | 14 |
| 21 | Lignin Structure and Aggregation Behavior in a Two-Component Ionic Liquid Solvent System. BioResources, 2014, 9, . | 1.0 | 12 |
| 22 | Changes in Chemical Composition and Microstructure of Bamboo after Gamma Ray Irradiation. BioResources, 2014, 9, . | 1.0 | 6 |
| 23 | CHAPTER 7: FERMENTATION TO BIOETHANOL/BIOBUTANOL. Materials and Energy, 2014, , 155-189. | 0.1 | 3 |
| 24 | Modification of Bleached Bamboo Fiber using Cationic Guar Gum for Fiberboard. BioResources, 2013, 8, . | 1.0 | 1 |
| 25 | A "Twitter" Generation Perspective on Biorefining. Biofuels, Bioproducts and Biorefining, 2013, 7, 629-633. | 3.7 | 0 |
| 26 | CHAPTER 6: ENZYMATIC DECONSTRUCTION OF LIGNOCELLULOSE TO FERMENTABLE SUGARS. Materials and Energy, 2014, , 127-153. | 0.1 | 0 |