

Yongcan Jin

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

128
papers

3,023
citations

31
h-index

49
g-index

142
ext. papers

4,139
ext. citations

7.1
avg, IF

6.17
L-index

| # | Paper | IF | Citations |
|-----|---|------|-----------|
| 128 | Biopolymer-based membranes from polysaccharides for CO ₂ separation: a review. <i>Environmental Chemistry Letters</i> , 2022 , 20, 1083 | 13.3 | 3 |
| 127 | Synthesis of sulfonated hierarchical carbons and their application on the production of furfural from wheat straw. <i>Molecular Catalysis</i> , 2022 , 517, 112034 | 3.3 | 3 |
| 126 | Polystyrene sulfonate is effective for enhancing biomass enzymatic saccharification under green liquor pretreatment in bioenergy poplar. 2022 , 15, 10 | | 0 |
| 125 | Insight into understanding sequential two-stage pretreatment on modifying lignin physicochemical properties and improving holistic utilization of renewable lignocellulose biomass. <i>Renewable Energy</i> , 2022 , 187, 123-134 | 8.1 | 2 |
| 124 | Increased ion transport and high-efficient osmotic energy conversion through aqueous stable graphitic carbon nitride/cellulose nanofiber composite membrane.. <i>Carbohydrate Polymers</i> , 2022 , 280, 119023 | 10.3 | 3 |
| 123 | Comparison of sulfomethylated lignin from poplar and masson pine on cellulase adsorption and the enzymatic hydrolysis of wheat straw. <i>Bioresource Technology</i> , 2022 , 343, 126142 | 11 | 2 |
| 122 | Recent Progress in Direct Production of Furfural from Lignocellulosic Residues and Hemicellulose.. <i>Bioresource Technology</i> , 2022 , 127126 | 11 | 4 |
| 121 | Hierarchically porous tobacco midrib-based biochar prepared by a simple dual-templating approach for highly efficient Rhodamine B removal. <i>Arabian Journal of Chemistry</i> , 2022 , 103904 | 5.9 | 0 |
| 120 | Exploring the promoting mechanisms of bovine serum albumin, lignosulfonate, and polyethylene glycol for lignocellulose saccharification from perspective of molecular interactions with cellulose. <i>Arabian Journal of Chemistry</i> , 2022 , 103910 | 5.9 | 0 |
| 119 | Toward Strong and Tough Wood-Based Hydrogels for Sensors. <i>Biomacromolecules</i> , 2021 , | 6.9 | 3 |
| 118 | Biological Activities and Emerging Roles of Lignin and Lignin-Based Products-A Review. <i>Biomacromolecules</i> , 2021 , | 6.9 | 17 |
| 117 | Current understanding and optimization strategies for efficient lignin-enzyme interaction: A review. <i>International Journal of Biological Macromolecules</i> , 2021 , | 7.9 | 1 |
| 116 | Recent advances in understanding the effects of lignin structural characteristics on enzymatic hydrolysis. <i>Biotechnology for Biofuels</i> , 2021 , 14, 205 | 7.8 | 14 |
| 115 | Antimicrobial/Biocompatible Hydrogels Dual-Reinforced by Cellulose as Ultrastretchable and Rapid Self-Healing Wound Dressing. <i>Biomacromolecules</i> , 2021 , 22, 1654-1663 | 6.9 | 35 |
| 114 | Investigation of choline chloride-formic acid pretreatment and Tween 80 to enhance sugarcane bagasse enzymatic hydrolysis. <i>Bioresource Technology</i> , 2021 , 326, 124748 | 11 | 6 |
| 113 | Enhancing the enzymatic digestibility of bamboo residues by biphasic phenoxyethanol-acid pretreatment. <i>Bioresource Technology</i> , 2021 , 325, 124691 | 11 | 51 |
| 112 | Crystallization of Polysaccharides 2021 , 283-300 | | 0 |

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| 111 | Carbonate-oxygen pretreatment of waste wheat straw for enhancing enzymatic saccharification. <i>Process Biochemistry</i> , 2021 , 104, 117-123 | 4.8 | 3 |
| 110 | Organosolv pretreatment assisted by carbocation scavenger to mitigate surface barrier effect of lignin for improving biomass saccharification and utilization. <i>Biotechnology for Biofuels</i> , 2021 , 14, 136 | 7.8 | 6 |
| 109 | Co-production of fermentable glucose, xylose equivalents, and HBS-lignin from sugarcane bagasse through a FeCl ₃ -catalyzed EG/H ₂ O pretreatment. <i>Industrial Crops and Products</i> , 2021 , 165, 113440 | 5.9 | 4 |
| 108 | Intermolecular self-assembly of dopamine-conjugated carboxymethylcellulose and carbon nanotubes toward supertough filaments and multifunctional wearables. <i>Chemical Engineering Journal</i> , 2021 , 416, 128981 | 14.7 | 2 |
| 107 | Binding affinity of family 4 carbohydrate binding module on cellulose films of nanocrystals and nanofibrils. <i>Carbohydrate Polymers</i> , 2021 , 251, 116725 | 10.3 | 8 |
| 106 | Impact of degree of substitution of cationic xylan on strength of cellulose fiber networks along with medium conductivity. <i>Industrial Crops and Products</i> , 2021 , 159, 113058 | 5.9 | 3 |
| 105 | Ethylene scavengers for the preservation of fruits and vegetables: A review. <i>Food Chemistry</i> , 2021 , 337, 127750 | 8.5 | 43 |
| 104 | Dual-responsive carboxymethyl cellulose/dopamine/cystamine hydrogels driven by dynamic metal-ligand and redox linkages for controllable release of agrochemical. <i>Carbohydrate Polymers</i> , 2021 , 253, 117188 | 10.3 | 13 |
| 103 | Efficient production of 5-hydroxymethylfurfural from glucose over silica-tin oxide composite catalysts. <i>Microporous and Mesoporous Materials</i> , 2021 , 311, 110717 | 5.3 | 4 |
| 102 | In-situ and real-time probing cellulase biosensor formation and its interaction with lignosulfonate in varied media. <i>Sensors and Actuators B: Chemical</i> , 2021 , 329, 129114 | 8.5 | 3 |
| 101 | Comparison of acid and alkali catalyzed ethylene glycol organosolv pretreatment for sugar production from bagasse. <i>Bioresource Technology</i> , 2021 , 320, 124293 | 11 | 8 |
| 100 | Eco-friendly additives in acidic pretreatment to boost enzymatic saccharification of hardwood for sustainable biorefinery applications. <i>Green Chemistry</i> , 2021 , 23, 4074-4086 | 10 | 16 |
| 99 | Carbocation scavenger assisted acid pretreatment followed by mild alkaline hydrogen peroxide (AHP) treatment for efficient production of fermentable sugars and lignin adsorbents from hardwood biomass. <i>Industrial Crops and Products</i> , 2021 , 170, 113737 | 5.9 | 6 |
| 98 | Modification of lignin by various additives to mitigate lignin inhibition for improved enzymatic digestibility of dilute acid pretreated hardwood. <i>Renewable Energy</i> , 2021 , 177, 992-1000 | 8.1 | 7 |
| 97 | Impacts of cotton linter pulp characteristics on the processivity of glycoside hydrolase family 5 endoglucanase from <i>Volvariella Volvacea</i> . <i>Cellulose</i> , 2021 , 28, 1947-1959 | 5.5 | 1 |
| 96 | Advance in constructing acid catalyst-solvent combinations for efficient transformation of glucose into 5-Hydroxymethylfurfural. <i>Molecular Catalysis</i> , 2020 , 498, 111254 | 3.3 | 3 |
| 95 | Fractionation of herbaceous biomass using a recyclable hydrotropic p-toluenesulfonic acid (pTsOH)/choline chloride (ChCl) solvent system at low temperatures. <i>Industrial Crops and Products</i> , 2020 , 150, 112423 | 5.9 | 13 |
| 94 | Lipid-mimicking peptide decorates erythrocyte membrane for active delivery to engrafted MDA-MB-231 breast tumour. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2020 , 152, 72-84 | 5.7 | 4 |

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| 93 | Highly strong and flexible composite hydrogel reinforced by aligned wood cellulose skeleton via alkali treatment for muscle-like sensors. <i>Chemical Engineering Journal</i> , 2020 , 400, 125876 | 14.7 | 42 |
| 92 | Radical polymerization as a versatile tool for surface grafting of thin hydrogel films. <i>Polymer Chemistry</i> , 2020 , 11, 4355-4381 | 4.9 | 11 |
| 91 | A flavonoid monomer triclin in Gramineous plants: Metabolism, bio/chemosynthesis, biological properties, and toxicology. <i>Food Chemistry</i> , 2020 , 320, 126617 | 8.5 | 15 |
| 90 | Insight into understanding the performance of deep eutectic solvent pretreatment on improving enzymatic digestibility of bamboo residues. <i>Bioresource Technology</i> , 2020 , 306, 123163 | 11 | 136 |
| 89 | Superhydrophobic modification of cellulose and cotton textiles: Methodologies and applications. <i>Journal of Bioresources and Bioproducts</i> , 2020 , 5, 1-15 | 18.7 | 180 |
| 88 | Comparison of enzymatic saccharification and lignin structure of masson pine and poplar pretreated by p-Toluenesulfonic acid. <i>International Journal of Biological Macromolecules</i> , 2020 , 151, 861-889 | 7.9 | 6 |
| 87 | Interactions between type A carbohydrate binding modules and cellulose studied with a quartz crystal microbalance with dissipation monitoring. <i>Cellulose</i> , 2020 , 27, 3661-3675 | 5.5 | 10 |
| 86 | Synthesis of sulfonated chitosan-derived carbon-based catalysts and their applications in the production of 5-hydroxymethylfurfural. <i>International Journal of Biological Macromolecules</i> , 2020 , 157, 368-376 | 7.9 | 15 |
| 85 | Sustainable high yield production of cellulose nanomaterials for easy-cleaning surfaces of cellulose-based materials. <i>BioResources</i> , 2020 , 15, 1014-1025 | 1.3 | 2 |
| 84 | Polycyclodextrins: Synthesis, functionalization, and applications. <i>Carbohydrate Polymers</i> , 2020 , 242, 116277-116283 | 7.3 | 18 |
| 83 | Investigation of the effect of lignin/pseudo-lignin on enzymatic hydrolysis by Quartz Crystal Microbalance. <i>Industrial Crops and Products</i> , 2020 , 157, 112927 | 5.9 | 16 |
| 82 | Improving Enzymatic Saccharification and Ethanol Production from Hardwood by Deacetylation and Steam Pretreatment: Insight into Mitigating Lignin Inhibition. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 17967-17978 | 8.3 | 15 |
| 81 | Using a Membrane-Penetrating-Peptide to Anchor Ligands in the Liposome Membrane Facilitates Targeted Drug Delivery. <i>Bioconjugate Chemistry</i> , 2020 , 31, 113-122 | 6.3 | 5 |
| 80 | Biodegradable polymers and green-based antimicrobial packaging materials: A mini-review. <i>Advanced Industrial and Engineering Polymer Research</i> , 2020 , 3, 27-35 | 7.3 | 142 |
| 79 | Adsorption behavior of two glucanases on three lignins and the effect by adding sulfonated lignin. <i>Journal of Biotechnology</i> , 2020 , 323, 1-8 | 3.7 | 4 |
| 78 | Structural features and antioxidant behavior of lignins successively extracted from ginkgo shells (<i>Ginkgo biloba</i> L). <i>International Journal of Biological Macromolecules</i> , 2020 , 163, 694-701 | 7.9 | 11 |
| 77 | Natural Polymer-Based Antimicrobial Hydrogels without Synthetic Antibiotics as Wound Dressings. <i>Biomacromolecules</i> , 2020 , 21, 2983-3006 | 6.9 | 83 |
| 76 | Self-healing Polyol/Borax Hydrogels: Fabrications, Properties and Applications. <i>Chemical Record</i> , 2020 , 20, 1142-1162 | 6.6 | 18 |

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| 75 | Preparation of Graphene-Like Porous Carbons With Enhanced Thermal Conductivities From Lignin Nano-particles by Combining Hydrothermal Carbonization and Pyrolysis. <i>Frontiers in Energy Research</i> , 2020 , 8, | 3.8 | 20 |
| 74 | Layer-by-Layer Assembly for Surface Tethering of Thin-Hydrogel Films: Design Strategies and Applications. <i>Chemical Record</i> , 2020 , 20, 857-881 | 6.6 | 10 |
| 73 | Effects of Lignin Contents and Delignification Methods on Enzymatic Saccharification of Loblolly Pine. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 8532-8537 | 3.9 | 1 |
| 72 | Green and Superhydrophobic Coatings Based on Tailor-Modified Lignocellulose Nanofibrils for Self-Cleaning Surfaces. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 20323-20330 | 3.9 | 10 |
| 71 | Improving corn stover enzymatic saccharification via ferric chloride catalyzed dimethyl sulfoxide pretreatment and various additives. <i>Industrial Crops and Products</i> , 2019 , 140, 111663 | 5.9 | 31 |
| 70 | Dataset on structure-antioxidant activity relationship of active oxygen catalytic lignin and lignin-carbohydrate complex. <i>Data in Brief</i> , 2019 , 25, 104413 | 1.2 | 1 |
| 69 | One-pot production of Valerolactone from furfural using Zr-graphitic carbon nitride/H ₂ composite. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 14527-14535 | 6.7 | 18 |
| 68 | Thermal and pH dual-responsive cellulose microfilament spheres for dye removal in single and binary systems. <i>Journal of Hazardous Materials</i> , 2019 , 377, 88-97 | 12.8 | 32 |
| 67 | Bioinspired self-assembled films of carboxymethyl cellulose/dopamine/montmorillonite. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 14033-14041 | 13 | 33 |
| 66 | Coupling the post-extraction process to remove residual lignin and alter the recalcitrant structures for improving the enzymatic digestibility of acid-pretreated bamboo residues. <i>Bioresource Technology</i> , 2019 , 285, 121355 | 11 | 176 |
| 65 | Structure-antioxidant activity relationship of active oxygen catalytic lignin and lignin-carbohydrate complex. <i>International Journal of Biological Macromolecules</i> , 2019 , 139, 21-29 | 7.9 | 26 |
| 64 | Integration of diagnosis and treatment in the detection and kill of S.aureus in the whole blood. <i>Biosensors and Bioelectronics</i> , 2019 , 142, 111507 | 11.8 | 16 |
| 63 | Electrochemical sensing of lead(II) by differential pulse voltammetry using conductive polypyrrole nanoparticles. <i>Mikrochimica Acta</i> , 2019 , 187, 23 | 5.8 | 17 |
| 62 | Comparison of microwave-assisted zinc chloride hydrate and alkali pretreatments for enhancing eucalyptus enzymatic saccharification. <i>Energy Conversion and Management</i> , 2019 , 186, 42-50 | 10.6 | 23 |
| 61 | Lignin Redistribution for Enhancing Barrier Properties of Cellulose-Based Materials. <i>Polymers</i> , 2019 , 11, | 4.5 | 7 |
| 60 | Efficient saccharification of agave biomass using Aspergillus niger produced low-cost enzyme cocktail with hyperactive pectinase activity. <i>Bioresource Technology</i> , 2019 , 272, 26-33 | 11 | 23 |
| 59 | Delignification overmatches hemicellulose removal for improving hydrolysis of wheat straw using the enzyme cocktail from Aspergillus niger. <i>Bioresource Technology</i> , 2019 , 274, 459-467 | 11 | 15 |
| 58 | Thermally stable and green cellulose-based composites strengthened by styrene-co-acrylate latex for lithium-ion battery separators. <i>Carbohydrate Polymers</i> , 2019 , 206, 801-810 | 10.3 | 32 |

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| 57 | Effect of lignin on performance of lignocellulose nanofibrils for durable superhydrophobic surface. <i>Cellulose</i> , 2019 , 26, 933-944 | 5.5 | 21 |
| 56 | Cost-effective preparation of metal-free electrocatalysts by phosphoric acid activation of lignocellulosic materials for oxygen reduction reaction. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 2811-2822 | 6.7 | 9 |
| 55 | Water retention value for characterizing fibrillation degree of cellulosic fibers at micro and nanometer scales. <i>Cellulose</i> , 2018 , 25, 2861-2871 | 5.5 | 57 |
| 54 | Comparison of the interactions between fungal cellulases from different origins and cellulose nanocrystal substrates with different polymorphs. <i>Cellulose</i> , 2018 , 25, 1185-1195 | 5.5 | 10 |
| 53 | Binding preference of family 1 carbohydrate binding module on nanocrystalline cellulose and nanofibrillar cellulose films assessed by quartz crystal microbalance. <i>Cellulose</i> , 2018 , 25, 3327-3337 | 5.5 | 6 |
| 52 | Effects of Green Liquor (GL) and Sodium Carbonate (SC) Pretreatment on Structural Characteristics of Wheat Stem Lignin. <i>Journal of Wood Chemistry and Technology</i> , 2018 , 38, 159-169 | 2 | 6 |
| 51 | Controlled release of agrochemicals and heavy metal ion capture dual-functional redox-responsive hydrogel for soil remediation. <i>Chemical Communications</i> , 2018 , 54, 13714-13717 | 5.8 | 31 |
| 50 | Structural Characterization of Lignin and Lignin-Carbohydrate Complex (LCC) from Ginkgo Shells (L.) by Comprehensive NMR Spectroscopy. <i>Polymers</i> , 2018 , 10, | 4.5 | 43 |
| 49 | Structural elucidation and antioxidant activity of lignin isolated from rice straw and alkali-oxygen black liquor. <i>International Journal of Biological Macromolecules</i> , 2018 , 116, 513-519 | 7.9 | 37 |
| 48 | A strategy to improve enzymatic saccharification of wheat straw by adding water-soluble lignin prepared from alkali pretreatment spent liquor. <i>Process Biochemistry</i> , 2018 , 71, 147-151 | 4.8 | 10 |
| 47 | Interactions between fungal cellulases and films of nanofibrillar cellulose determined by a quartz crystal microbalance with dissipation monitoring (QCM-D). <i>Cellulose</i> , 2017 , 24, 1947-1956 | 5.5 | 8 |
| 46 | To understand the superior hydrolytic activity after polymorphic conversion from cellulose I to II from the adsorption behaviors of enzymes. <i>Cellulose</i> , 2017 , 24, 1371-1381 | 5.5 | 18 |
| 45 | Lignin-based catalysts for Chinese fir furfurylation to improve dimensional stability and mechanical properties. <i>Industrial Crops and Products</i> , 2017 , 107, 38-44 | 5.9 | 31 |
| 44 | Novel Approach to Prepare Ultrathin Lignocellulosic Film for Monitoring Enzymatic Hydrolysis Process by Quartz Crystal Microbalance. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 3837-3844 | 8.3 | 13 |
| 43 | Melamine Formaldehyde Modified Furfurylation to Improve Chinese Fir's Dimensional Stability and Mechanical Properties. <i>BioResources</i> , 2017 , 12, | 1.3 | 6 |
| 42 | Isolation of Lignin from Masson Pine by Liquid-Liquid Extraction Based on Complete Dissolution in NaOH Aqueous Solution. <i>BioResources</i> , 2017 , 13, | 1.3 | 2 |
| 41 | Cellulose laurate ester aerogel as a novel absorbing material for removing pollutants from organic wastewater. <i>Cellulose</i> , 2017 , 24, 5069-5078 | 5.5 | 8 |
| 40 | Structural characteristics of milled wood lignin (MWL) isolated from green liquor (GL) pretreated poplar (<i>Populus deltoides</i>). <i>Holzforschung</i> , 2017 , 71, 99-108 | 2 | 4 |

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| 39 | Comparison of the Structural Characteristics of Cellulolytic Enzyme Lignin Preparations Isolated from Wheat Straw Stem and Leaf. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 342-349 | 8.3 | 33 |
| 38 | On the polymorphic and morphological changes of cellulose nanocrystals (CNC-I) upon mercerization and conversion to CNC-II. <i>Carbohydrate Polymers</i> , 2016 , 143, 327-35 | 10.3 | 114 |
| 37 | Comparison of the substrate enzymatic digestibility and lignin structure of wheat straw stems and leaves pretreated by green liquor. <i>Bioresource Technology</i> , 2016 , 199, 181-187 | 11 | 29 |
| 36 | Endoglucanase post-milling treatment for producing cellulose nanofibers from bleached eucalyptus fibers by a supermasscolloider. <i>Cellulose</i> , 2016 , 23, 1859-1870 | 5.5 | 20 |
| 35 | Improved Protocol for Alkaline Nitrobenzene Oxidation of Woody and Non-Woody Biomass. <i>Journal of Wood Chemistry and Technology</i> , 2015 , 35, 52-61 | 2 | 22 |
| 34 | Effect of complete dissolution in LiCl/DMSO on the isolation and characteristics of lignin from wheat straw internode. <i>Industrial Crops and Products</i> , 2015 , 74, 703-711 | 5.9 | 16 |
| 33 | Minimizing inhibitors during pretreatment while maximizing sugar production in enzymatic hydrolysis through a two-stage hydrothermal pretreatment. <i>Cellulose</i> , 2015 , 22, 1253-1261 | 5.5 | 28 |
| 32 | Strategies to achieve high-solids enzymatic hydrolysis of dilute-acid pretreated corn stover. <i>Bioresource Technology</i> , 2015 , 187, 43-48 | 11 | 50 |
| 31 | Physical and Mechanical Properties of Cellulose Nanofibril Films from Bleached Eucalyptus Pulp by Endoglucanase Treatment and Microfluidization. <i>Journal of Polymers and the Environment</i> , 2015 , 23, 551-558 | 4.5 | 37 |
| 30 | Production of cellulose nanofibrils from bleached eucalyptus fibers by hyperthermostable endoglucanase treatment and subsequent microfluidization. <i>Cellulose</i> , 2015 , 22, 351-361 | 5.5 | 85 |
| 29 | Controlled-release drug carriers based hierarchical silica microtubes templated from cellulose acetate nanofibers. <i>Journal of Applied Polymer Science</i> , 2015 , 132, n/a-n/a | 2.9 | 7 |
| 28 | Effects of pH and Sulfonated Lignin on the Enzymatic Saccharification of Acid Bisulfite- and Green Liquor-pretreated Poplar Wood. <i>BioResources</i> , 2015 , 10, | 1.3 | 5 |
| 27 | A Mini-review on the Applications of Cellulose-Binding Domains in Lignocellulosic Material Utilizations. <i>BioResources</i> , 2015 , 10, | 1.3 | 9 |
| 26 | Influence of lignin addition on the enzymatic digestibility of pretreated lignocellulosic biomasses. <i>Bioresource Technology</i> , 2015 , 181, 7-12 | 11 | 51 |
| 25 | The structural changes of lignin and lignin-carbohydrate complexes in corn stover induced by mild sodium hydroxide treatment. <i>RSC Advances</i> , 2014 , 4, 10845 | 3.7 | 26 |
| 24 | Bimodal Mesoporous Silica Nanotubes Fabricated by Dual Templates of CTAB and Bare Nanocrystalline Cellulose. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 708-714 | 3.9 | 19 |
| 23 | Synergistic contribution of hydrosulfide and carbonate anions to the EO-4 bond cleavage of lignin model compounds in a green liquor pretreatment for enzymatic hydrolysis of lignocellulosic materials. <i>Journal of Wood Science</i> , 2014 , 60, 346-352 | 2.4 | 12 |
| 22 | Comparison of sodium carbonate-oxygen and sodium hydroxide-oxygen pretreatments on the chemical composition and enzymatic saccharification of wheat straw. <i>Bioresource Technology</i> , 2014 , 161, 63-8 | 11 | 40 |

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| 21 | Effect of Kraft Pulping Pretreatment on the Chemical Composition, Enzymatic Digestibility, and Sugar Release of Moso Bamboo Residues. <i>BioResources</i> , 2014 , 10, | 1.3 | 8 |
| 20 | Effects of Green Liquor Pretreatment on the Chemical Composition and Enzymatic Hydrolysis of Several Lignocellulosic Biomasses. <i>BioResources</i> , 2014 , 10, | 1.3 | 6 |
| 19 | Enhancement of Enzymatic Saccharification of Poplar by Green Liquor Pretreatment. <i>BioResources</i> , 2014 , 9, | 1.3 | 5 |
| 18 | Isolation of Cellulolytic Enzyme Lignin from Rice Straw Enhanced by LiCl/DMSO Dissolution and Regeneration. <i>BioResources</i> , 2014 , 9, | 1.3 | 2 |
| 17 | Improved Enzymatic Hydrolysis of Corn Stover by Green Liquor Pretreatment and a Specialized Enzyme Cocktail. <i>BioResources</i> , 2014 , 9, | 1.3 | 7 |
| 16 | Effects of LiCl/DMSO dissolution and enzymatic hydrolysis on the chemical composition and lignin structure of rice straw. <i>Biomass and Bioenergy</i> , 2014 , 71, 357-362 | 5.3 | 19 |
| 15 | Effects of green liquor pretreatment on the chemical composition and enzymatic digestibility of rice straw. <i>Bioresource Technology</i> , 2013 , 149, 375-82 | 11 | 51 |
| 14 | Synthesis of amphoteric cellulose in aqueous NaOH-urea solution in one pot and its application in paper strength enhancement. <i>RSC Advances</i> , 2013 , 3, 24586 | 3.7 | 18 |
| 13 | Sodium carbonate-sodium sulfite pretreatment for improving the enzymatic hydrolysis of rice straw. <i>Industrial Crops and Products</i> , 2013 , 43, 711-717 | 5.9 | 56 |
| 12 | Sulfite-formaldehyde pretreatment on rice straw for the improvement of enzymatic saccharification. <i>Bioresource Technology</i> , 2013 , 142, 218-24 | 11 | 18 |
| 11 | Sodium sulfite-formaldehyde pretreatment of mixed hardwoods and its effect on enzymatic hydrolysis. <i>Bioresource Technology</i> , 2013 , 135, 109-15 | 11 | 18 |
| 10 | Comparison of sodium carbonate pretreatment for enzymatic hydrolysis of wheat straw stem and leaf to produce fermentable sugars. <i>Bioresource Technology</i> , 2013 , 137, 294-301 | 11 | 60 |
| 9 | Biomass properties from different Miscanthus species. <i>Food and Energy Security</i> , 2013 , 2, 12-19 | 4.1 | 23 |
| 8 | A facile approach toward surface sulfonation of natural cotton fibers through epoxy reaction. <i>Journal of Applied Polymer Science</i> , 2012 , 124, 1744-1750 | 2.9 | 5 |
| 7 | Effects of sodium carbonate pretreatment on the chemical compositions and enzymatic saccharification of rice straw. <i>Bioresource Technology</i> , 2012 , 124, 283-91 | 11 | 71 |
| 6 | Green liquor pretreatment for improving enzymatic hydrolysis of corn stover. <i>Bioresource Technology</i> , 2012 , 124, 299-305 | 11 | 77 |
| 5 | FABRICATION OF HOLLOW SILICA NANORODS USING NANOCRYSTALLINE CELLULOSE AS TEMPLATES. <i>BioResources</i> , 2012 , 7, | 1.3 | 12 |
| 4 | Green Liquor Pretreatment of Mixed Hardwood for Ethanol Production in a Repurposed Kraft Pulp Mill. <i>Journal of Wood Chemistry and Technology</i> , 2010 , 30, 86-104 | 2 | 99 |

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| 3 | A win-win technique of stabilizing sand dune and purifying paper mill black-liquor. <i>Journal of Environmental Sciences</i> , 2009 , 21, 488-93 | 6.4 | 19 |
| 2 | Electrooxidative Dearomatization to Spiroisoxazolines: Application to Total Synthesis of Xanthoisoxazoline B. <i>Advanced Synthesis and Catalysis</i> , | 5.6 | 2 |
| 1 | Wood-Inspired Binder Enabled Vertical 3D Printing of g-C3N4/CNT Arrays for Highly Efficient Photoelectrochemical Hydrogen Evolution. <i>Advanced Functional Materials</i> ,2105045 | 15.6 | 8 |