

Yongcan Jin

List of Publications by Citations

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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	Superhydrophobic modification of cellulose and cotton textiles: Methodologies and applications. <i>Journal of Bioresources and Bioproducts</i> , 2020 , 5, 1-15	18.7	180
127	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
126	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
125	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
124	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
123	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
122	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
121	Natural Polymer-Based Antimicrobial Hydrogels without Synthetic Antibiotics as Wound Dressings. <i>Biomacromolecules</i> , 2020 , 21, 2983-3006	6.9	83
120	Green liquor pretreatment for improving enzymatic hydrolysis of corn stover. <i>Bioresource Technology</i> , 2012 , 124, 299-305	11	77
119	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
118	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
117	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
116	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
115	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
114	Influence of lignin addition on the enzymatic digestibility of pretreated lignocellulosic biomasses. <i>Bioresource Technology</i> , 2015 , 181, 7-12	11	51
113	Enhancing the enzymatic digestibility of bamboo residues by biphasic phenoxyethanol-acid pretreatment. <i>Bioresource Technology</i> , 2021 , 325, 124691	11	51
112	Strategies to achieve high-solids enzymatic hydrolysis of dilute-acid pretreated corn stover. <i>Bioresource Technology</i> , 2015 , 187, 43-48	11	50

111	Ethylene scavengers for the preservation of fruits and vegetables: A review. <i>Food Chemistry</i> , 2021 , 337, 127750	8.5	43
110	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
109	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
108	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
107	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
106	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
105	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
104	Bioinspired self-assembled films of carboxymethyl cellulose/dopamine/montmorillonite. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 14033-14041	13	33
103	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
102	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
101	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
100	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
99	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
98	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
97	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
96	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
95	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
94	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

93	Biomass properties from different Miscanthus species. <i>Food and Energy Security</i> , 2013 , 2, 12-19	4.1	23
92	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
91	Efficient saccharification of agave biomass using <i>Aspergillus niger</i> produced low-cost enzyme cocktail with hyperactive pectinase activity. <i>Bioresource Technology</i> , 2019 , 272, 26-33	11	23
90	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
89	Effect of lignin on performance of lignocellulose nanofibrils for durable superhydrophobic surface. <i>Cellulose</i> , 2019 , 26, 933-944	5.5	21
88	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
87	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
86	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
85	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
84	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
83	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
82	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
81	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
80	Sulfite-formaldehyde pretreatment on rice straw for the improvement of enzymatic saccharification. <i>Bioresource Technology</i> , 2013 , 142, 218-24	11	18
79	Sodium sulfite-formaldehyde pretreatment of mixed hardwoods and its effect on enzymatic hydrolysis. <i>Bioresource Technology</i> , 2013 , 135, 109-15	11	18
78	Polycyclodextrins: Synthesis, functionalization, and applications. <i>Carbohydrate Polymers</i> , 2020 , 242, 116277	3	18
77	Self-healing Polyol/Borax Hydrogels: Fabrications, Properties and Applications. <i>Chemical Record</i> , 2020 , 20, 1142-1162	6.6	18
76	Biological Activities and Emerging Roles of Lignin and Lignin-Based Products-A Review. <i>Biomacromolecules</i> , 2021 ,	6.9	17

75	Electrochemical sensing of lead(II) by differential pulse voltammetry using conductive polypyrrole nanoparticles. <i>Mikrochimica Acta</i> , 2019 , 187, 23	5.8	17
74	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
73	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
72	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
71	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
70	A flavonoid monomer triclin in Gramineous plants: Metabolism, bio/chemosynthesis, biological properties, and toxicology. <i>Food Chemistry</i> , 2020 , 320, 126617	8.5	15
69	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
68	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
67	Delignification overmatches hemicellulose removal for improving hydrolysis of wheat straw using the enzyme cocktail from <i>Aspergillus niger</i> . <i>Bioresource Technology</i> , 2019 , 274, 459-467	11	15
66	Recent advances in understanding the effects of lignin structural characteristics on enzymatic hydrolysis. <i>Biotechnology for Biofuels</i> , 2021 , 14, 205	7.8	14
65	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
64	Fractionation of herbaceous biomass using a recyclable hydrophilic p-toluenesulfonic acid (pTsOH)/choline chloride (ChCl) solvent system at low temperatures. <i>Industrial Crops and Products</i> , 2020 , 150, 112423	5.9	13
63	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
62	Synergistic contribution of hydrosulfide and carbonate anions to the E0-4 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
61	FABRICATION OF HOLLOW SILICA NANORODS USING NANOCRYSTALLINE CELLULOSE AS TEMPLATES. <i>BioResources</i> , 2012 , 7,	1.3	12
60	Radical polymerization as a versatile tool for surface grafting of thin hydrogel films. <i>Polymer Chemistry</i> , 2020 , 11, 4355-4381	4.9	11
59	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
58	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

57	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
56	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
55	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
54	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
53	A Mini-review on the Applications of Cellulose-Binding Domains in Lignocellulosic Material Utilizations. <i>BioResources</i> , 2015 , 10,	1.3	9
52	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
51	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
50	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
49	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
48	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
47	Comparison of acid and alkali catalyzed ethylene glycol organosolv pretreatment for sugar production from bagasse. <i>Bioresource Technology</i> , 2021 , 320, 124293	11	8
46	Wood-Inspired Binder Enabled Vertical 3D Printing of g-C ₃ N ₄ /CNT Arrays for Highly Efficient Photoelectrochemical Hydrogen Evolution. <i>Advanced Functional Materials</i> , 2105045	15.6	8
45	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
44	Improved Enzymatic Hydrolysis of Corn Stover by Green Liquor Pretreatment and a Specialized Enzyme Cocktail. <i>BioResources</i> , 2014 , 9,	1.3	7
43	Lignin Redistribution for Enhancing Barrier Properties of Cellulose-Based Materials. <i>Polymers</i> , 2019 , 11,	4.5	7
42	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
41	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, 861-869	7.9	6
40	Melamine Formaldehyde Modified Furfurylation to Improve Chinese Fir's Dimensional Stability and Mechanical Properties. <i>BioResources</i> , 2017 , 12,	1.3	6

39	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
38	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
37	Effects of Green Liquor Pretreatment on the Chemical Composition and Enzymatic Hydrolysis of Several Lignocellulosic Biomasses. <i>BioResources</i> , 2014 , 10,	1.3	6
36	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
35	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
34	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
33	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
32	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
31	Enhancement of Enzymatic Saccharification of Poplar by Green Liquor Pretreatment. <i>BioResources</i> , 2014 , 9,	1.3	5
30	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
29	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
28	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
27	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
26	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
25	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
24	Recent Progress in Direct Production of Furfural from Lignocellulosic Residues and Hemicellulose.. <i>Bioresource Technology</i> , 2022 , 127126	11	4
23	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
22	Biopolymer-based membranes from polysaccharides for CO ₂ separation: a review. <i>Environmental Chemistry Letters</i> , 2022 , 20, 1083	13.3	3

21	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
20	Toward Strong and Tough Wood-Based Hydrogels for Sensors. <i>Biomacromolecules</i> , 2021 ,	6.9	3
19	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
18	Carbonate-oxygen pretreatment of waste wheat straw for enhancing enzymatic saccharification. <i>Process Biochemistry</i> , 2021 , 104, 117-123	4.8	3
17	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
16	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
15	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
14	Isolation of Cellulolytic Enzyme Lignin from Rice Straw Enhanced by LiCl/DMSO Dissolution and Regeneration. <i>BioResources</i> , 2014 , 9,	1.3	2
13	Insight into understanding sequential two-stage pretreatment on modifying lignin physiochemical properties and improving holistic utilization of renewable lignocellulose biomass. <i>Renewable Energy</i> , 2022 , 187, 123-134	8.1	2
12	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
11	Electrooxidative Dearomatization to Spiroisoxazolines: Application to Total Synthesis of Xanthoisoxazoline B. <i>Advanced Synthesis and Catalysis</i> ,	5.6	2
10	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
9	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
8	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
7	Current understanding and optimization strategies for efficient lignin-enzyme interaction: A review. <i>International Journal of Biological Macromolecules</i> , 2021 ,	7.9	1
6	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
5	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
4	Polystyrene sulfonate is effective for enhancing biomass enzymatic saccharification under green liquor pretreatment in bioenergy poplar. 2022 , 15, 10		0

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| 3 | Crystallization of Polysaccharides 2021 , 283-300 | | o |
| 2 | 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 | o |
| 1 | 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 | o |