

Jie Lu

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.

30
papers

513
citations

13
h-index

22
g-index

31
ext. papers

768
ext. citations

7.3
avg, IF

4.3
L-index

#	Paper	IF	Citations
30	Chitosan-based multifunctional flexible hemostatic bio-hydrogel. <i>Acta Biomaterialia</i> , 2021 , 136, 170-183	10.8	6
29	A robust regenerated cellulose-based dual stimuli-responsive hydrogel as an intelligent switch for controlled drug delivery. <i>International Journal of Biological Macromolecules</i> , 2021 , 176, 448-458	7.9	16
28	Production of high concentration bioethanol from reed by combined liquid hot water and sodium carbonate-oxygen pretreatment. <i>Energy</i> , 2021 , 217, 119332	7.9	11
27	Fabrication of the superhydrophobic natural cellulosic paper with different wettability and oil/water separation application. <i>Journal of Applied Polymer Science</i> , 2021 , 138, 50371	2.9	4
26	Composited Gels from Nature Growing Scaffold: Synthesis, Properties, and Application. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 5498-5507	9.5	4
25	A mussel-inspired flexible chitosan-based bio-hydrogel as a tailored medical adhesive. <i>International Journal of Biological Macromolecules</i> , 2021 , 189, 183-193	7.9	3
24	Preparation of bio-based cellulose acetate/chitosan composite film with oxygen and water resistant properties. <i>Carbohydrate Polymers</i> , 2021 , 270, 118381	10.3	7
23	The preparation and performance of a novel lignin-based adhesive without formaldehyde. <i>Industrial Crops and Products</i> , 2020 , 153, 112593	5.9	15
22	Combining hydrothermal-alkaline/oxygen pretreatment of reed with PEG 6,000-assisted enzyme hydrolysis promote bioethanol fermentation and reduce enzyme loading. <i>Industrial Crops and Products</i> , 2020 , 153, 112615	5.9	7
21	The bead-like LiV(PO)/NC nanofibers based on the nanocellulose from waste reed for long-life Li-ion batteries. <i>Carbohydrate Polymers</i> , 2020 , 237, 116134	10.3	9
20	The hydrothermal-alkaline/oxygen two-step pretreatment combined with the addition of surfactants reduced the amount of cellulase for enzymatic hydrolysis of reed. <i>Bioresource Technology</i> , 2020 , 308, 123324	11	25
19	Combined liquid hot water with sodium carbonate-oxygen pretreatment to improve enzymatic saccharification of reed. <i>Bioresource Technology</i> , 2020 , 297, 122498	11	23
18	Balancing the decomposable behavior and wet tensile mechanical property of cellulose-based wet wipe substrates by the aqueous adhesive. <i>International Journal of Biological Macromolecules</i> , 2020 , 164, 1898-1907	7.9	2
17	Biomimic-Inspired and Recyclable Nanogel for Contamination Removal from Water and the Application in Treating Bleaching Effluents. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 8622-8631	3.9	4
16	An integrated biorefinery process to produce butanol and pulp from corn straw. <i>Industrial Crops and Products</i> , 2019 , 140, 111648	5.9	13
15	The fabrication of a degradable film with high antimicrobial and antioxidant activities. <i>Industrial Crops and Products</i> , 2019 , 140, 111692	5.9	9
14	Study on the derivation of cassava residue and its application in surface sizing. <i>International Journal of Biological Macromolecules</i> , 2019 , 128, 80-84	7.9	6

13	Preparation of magnetic hydrogel microspheres of lignin derivate for application in water. <i>Science of the Total Environment</i> , 2019 , 685, 847-855	10.2	40
12	Fractionation of alkali lignin by organic solvents for biodegradable microsphere through self-assembly. <i>Bioresource Technology</i> , 2019 , 289, 121640	11	25
11	Lignin-based hydrogels: A review of preparation, properties, and application. <i>International Journal of Biological Macromolecules</i> , 2019 , 135, 1006-1019	7.9	99
10	Super-swelling lignin-based biopolymer hydrogels for soil water retention from paper industry waste. <i>International Journal of Biological Macromolecules</i> , 2019 , 135, 815-820	7.9	17
9	Improving enzymatic hydrolysis efficiency of corncob residue through sodium sulfite pretreatment. <i>Applied Microbiology and Biotechnology</i> , 2019 , 103, 7795-7804	5.7	14
8	Characteristic Changes of Lignin-Carbohydrate Complexes of Reed Straw and Corn Stover Pretreated with Liquid Hot Water Prior to Enzymatic Hydrolysis. <i>Journal of Biobased Materials and Bioenergy</i> , 2018 , 12, 252-258	1.4	2
7	Preparation and characterization of thermo-sensitive gel with phenolated alkali lignin. <i>Scientific Reports</i> , 2018 , 8, 14450	4.9	24
6	Study on the Effect of 1-Butanol Soluble Lignin on Temperature-Sensitive Gel. <i>Polymers</i> , 2018 , 10,	4.5	8
5	Liquefaction of fermentation residue of reed- and corn stover-pretreated with liquid hot water in the presence of ethanol with aluminum chloride as the catalyst. <i>Chemical Engineering Journal</i> , 2014 , 247, 142-151	14.7	29
4	Fed-batch semi-simultaneous saccharification and fermentation of reed pretreated with liquid hot water for bio-ethanol production using <i>Saccharomyces cerevisiae</i> . <i>Bioresource Technology</i> , 2013 , 144, 539-47	11	50
3	Tween 40 pretreatment of unwashed water-insoluble solids of reed straw and corn stover pretreated with liquid hot water to obtain high concentrations of bioethanol. <i>Biotechnology for Biofuels</i> , 2013 , 6, 159	7.8	35
2	Enzymatic Saccharification and L-lactic Acid Fermentation of Corn Stover Pretreated with Liquid Hot Water by <i>Rhizopus oryzae</i> . <i>BioResources</i> , 2013 , 8,	1.3	3
1	A Review on Lignin-Based Phenolic Resin Adhesive. <i>Macromolecular Chemistry and Physics</i> , 2100434	2.6	3