

Yi Cheng

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.

20 papers	320 citations	9 h-index	17 g-index
22 ext. papers	505 ext. citations	8.2 avg, IF	3.99 L-index

#	Paper	IF	Citations
20	A renewable membrane with high ionic conductivity and thermal stability for Li-ion batteries. <i>Journal of Power Sources</i> , 2022 , 521, 230947	8.9	2
19	Chitosan-based multifunctional flexible hemostatic bio-hydrogel. <i>Acta Biomaterialia</i> , 2021 , 136, 170-183	10.8	6
18	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
17	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
16	Improving air barrier, water vapor permeability properties of cellulose paper by layer-by-layer assembly of graphene oxide. <i>Carbohydrate Polymers</i> , 2021 , 253, 117227	10.3	9
15	Composited Gels from Nature Growing Scaffold: Synthesis, Properties, and Application. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 5498-5507	9.5	4
14	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
13	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
12	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
11	Combined liquid hot water with sodium carbonate-oxygen pretreatment to improve enzymatic saccharification of reed. <i>Bioresource Technology</i> , 2020 , 297, 122498	11	23
10	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
9	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
8	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
7	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
6	Fractionation of alkali lignin by organic solvents for biodegradable microsphere through self-assembly. <i>Bioresource Technology</i> , 2019 , 289, 121640	11	25
5	Lignin-based hydrogels: A review of preparation, properties, and application. <i>International Journal of Biological Macromolecules</i> , 2019 , 135, 1006-1019	7.9	99
4	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

3	Improving enzymatic hydrolysis efficiency of corncob residue through sodium sulfite pretreatment. <i>Applied Microbiology and Biotechnology</i> , 2019 , 103, 7795-7804	5.7	14
2	Going Nano with Confined Effects to Construct Pomegranate-like Cathode for High-Energy and High-Power Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 28934-28942	9.5	2
1	Study on the Effect of 1-Butanol Soluble Lignin on Temperature-Sensitive Gel. <i>Polymers</i> , 2018 , 10,	4.5	8