Yi Cheng

List of Publications by Citations

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	Lignin-based hydrogels: A review of preparation, properties, and application. *International Journal of Biological Macromolecules*, **2019**, 135, 1006-1019	7.9	99
19	Preparation of magnetic hydrogel microspheres of lignin derivate for application in water. *Science of the Total Environment*, **2019**, 685, 847-855	10.2	40
18	Fractionation of alkali lignin by organic solvents for biodegradable microsphere through self-assembly. *Bioresource Technology*, **2019**, 289, 121640	11	25
17	The hydrothermal-alkaline/oxygen two-step pretreatment combined with the addition of surfactants reduced the amount of cellulase for enzymatic hydrolysis of reed. *Bioresource Technology*, **2020**, 308, 123324	11	25
16	Combined liquid hot water with sodium carbonate-oxygen pretreatment to improve enzymatic saccharification of reed. *Bioresource Technology*, **2020**, 297, 122498	11	23
15	Super-swelling lignin-based biopolymer hydrogels for soil water retention from paper industry waste. *International Journal of Biological Macromolecules*, **2019**, 135, 815-820	7.9	17
14	A robust regenerated cellulose-based dual stimuli-responsive hydrogel as an intelligent switch for controlled drug delivery. *International Journal of Biological Macromolecules*, **2021**, 176, 448-458	7.9	16
13	Improving enzymatic hydrolysis efficiency of corncob residue through sodium sulfite pretreatment. *Applied Microbiology and Biotechnology*, **2019**, 103, 7795-7804	5.7	14
12	The bead-like LiV(PO)/NC nanofibers based on the nanocellulose from waste reed for long-life Li-ion batteries. *Carbohydrate Polymers*, **2020**, 237, 116134	10.3	9
11	Improving air barrier, water vapor permeability properties of cellulose paper by layer-by-layer assembly of graphene oxide. *Carbohydrate Polymers*, **2021**, 253, 117227	10.3	9
10	Study on the Effect of 1-Butanol Soluble Lignin on Temperature-Sensitive Gel. *Polymers*, **2018**, 10,	4.5	8
9	Study on the derivation of cassava residue and its application in surface sizing. *International Journal of Biological Macromolecules*, **2019**, 128, 80-84	7.9	6
8	Chitosan-based multifunctional flexible hemostatic bio-hydrogel. *Acta Biomaterialia*, **2021**, 136, 170-183	10.8	6
7	Biomimic-Inspired and Recyclable Nanogel for Contamination Removal from Water and the Application in Treating Bleaching Effluents. *Industrial & Engineering Chemistry Research*, **2020**, 59, 8622-8631	3.9	4
6	Fabrication of the superhydrophobic natural cellulosic paper with different wettability and oil/water separation application. *Journal of Applied Polymer Science*, **2021**, 138, 50371	2.9	4
5	Composited Gels from Nature Growing Scaffold: Synthesis, Properties, and Application. *ACS Applied Materials & Interfaces*, **2021**, 13, 5498-5507	9.5	4
4	A mussel-inspired flexible chitosan-based bio-hydrogel as a tailored medical adhesive. *International Journal of Biological Macromolecules*, **2021**, 189, 183-193	7.9	3

3	Going Nano with Confined Effects to Construct Pomegranate-like Cathode for High-Energy and High-Power Lithium-Ion Batteries. *ACS Applied Materials & Interfaces*, **2019**, 11, 28934-28942	9.5	2
2	A renewable membrane with high ionic conductivity and thermal stability for Li-ion batteries. *Journal of Power Sources*, **2022**, 521, 230947	8.9	2
1	Balancing the decomposable behavior and wet tensile mechanical property of cellulose-based wet wipe substrates by the aqueous adhesive. *International Journal of Biological Macromolecules*, **2020**, 164, 1898-1907	7.9	2