

Yi Cheng

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

702
citations

687335

13
h-index

677123

22
g-index

22
all docs

22
docs citations

22
times ranked

616
citing authors

#	ARTICLE	IF	CITATIONS
1	Lignin-based hydrogels: A review of preparation, properties, and application. <i>International Journal of Biological Macromolecules</i> , 2019, 135, 1006-1019.	7.5	184
2	Chitosan-based multifunctional flexible hemostatic bio-hydrogel. <i>Acta Biomaterialia</i> , 2021, 136, 170-183.	8.3	68
3	Preparation of magnetic hydrogel microspheres of lignin derivate for application in water. <i>Science of the Total Environment</i> , 2019, 685, 847-855.	8.0	66
4	Fractionation of alkali lignin by organic solvents for biodegradable microsphere through self-assembly. <i>Bioresource Technology</i> , 2019, 289, 121640.	9.6	46
5	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.	7.5	42
6	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.	7.5	39
7	Combined liquid hot water with sodium carbonate-oxygen pretreatment to improve enzymatic saccharification of reed. <i>Bioresource Technology</i> , 2020, 297, 122498.	9.6	38
8	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.	9.6	37
9	A mussel-inspired flexible chitosan-based bio-hydrogel as a tailored medical adhesive. <i>International Journal of Biological Macromolecules</i> , 2021, 189, 183-193.	7.5	29
10	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.	10.2	24
11	Improving enzymatic hydrolysis efficiency of corncob residue through sodium sulfite pretreatment. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 7795-7804.	3.6	21
12	The bead-like Li ₃ V ₂ (PO ₄) ₃ /NC nanofibers based on the nanocellulose from waste reed for long-life Li-ion batteries. <i>Carbohydrate Polymers</i> , 2020, 237, 116134.	10.2	16
13	Study on the Effect of 1-Butanol Soluble Lignin on Temperature-Sensitive Gel. <i>Polymers</i> , 2018, 10, 1109.	4.5	14
14	A renewable membrane with high ionic conductivity and thermal stability for Li-ion batteries. <i>Journal of Power Sources</i> , 2022, 521, 230947.	7.8	14
15	A degradable membrane based on lignin-containing cellulose for high-energy lithium-ion batteries. <i>International Journal of Biological Macromolecules</i> , 2022, 213, 690-698.	7.5	13
16	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.	2.6	10
17	Study on the derivation of cassava residue and its application in surface sizing. <i>International Journal of Biological Macromolecules</i> , 2019, 128, 80-84.	7.5	9
18	High-performance cellulose acetate-based gas barrier films via tailoring reduced graphene oxide nanosheets. <i>International Journal of Biological Macromolecules</i> , 2022, 209, 1450-1456.	7.5	9

#	ARTICLE	IF	CITATIONS
19	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.	3.7	7
20	Composited Gels from Nature Growing Scaffold: Synthesis, Properties, and Application. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 5498-5507.	8.0	7
21	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.	7.5	6
22	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.	8.0	3