

Jinsong Zeng

List of Publications by Year in Descending Order

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Version: 2024-04-26

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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.

50
papers

784
citations

17
h-index

26
g-index

55
ext. papers

1,255
ext. citations

7.9
avg, IF

4.81
L-index

#	Paper	IF	Citations
50	Ultra-high Adsorption of Toxic Substances from Cigarette Smoke Using Nanocellulose-SiO ₂ Hybrid Aerogels. <i>ACS Applied Polymer Materials</i> , 2022 , 4, 1173-1182	4.3	3
49	Characteristics of concentrated lignocellulosic nanofibril suspensions. <i>Cellulose</i> , 2022 , 29, 147	5.5	0
48	Fabrications and applications of hemicellulose-based bio-adsorbents.. <i>Carbohydrate Polymers</i> , 2022 , 278, 118945	10.3	7
47	Effects of different -acyl-serine lactone signaling molecules on the performance of anaerobic granular sludge.. <i>RSC Advances</i> , 2022 , 12, 5439-5446	3.7	0
46	Mechanically Flexible Carbon Aerogel with Wavy Layers and Springboard Elastic Supporting Structure for Selective Oil/Organic Solvent Recovery. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 15910-15924	9.5	4
45	Chiral Photonic Liquid Crystal Films Derived from Cellulose Nanocrystals. <i>Small</i> , 2021 , 17, e2007306	11	15
44	Cellulose nanofibrils manufactured by various methods with application as paper strength additives. <i>Scientific Reports</i> , 2021 , 11, 11918	4.9	10
43	Structural change and redispersion characteristic of dried lignin-containing cellulose nanofibril and its reinforcement in PVA nanocomposite film. <i>Cellulose</i> , 2021 , 28, 7749-7764	5.5	1
42	Silver-Nanoparticle-Embedded Hybrid Nanopaper with Significant Thermal Conductivity Enhancement. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 36171-36181	9.5	1
41	Cellulosic fiber: mechanical fibrillation-morphology-rheology relationships. <i>Cellulose</i> , 2021 , 28, 7651-7662	5.5	1
40	Precisely controlled preparation of uniform nanocrystalline cellulose via microfluidic technology. <i>Journal of Industrial and Engineering Chemistry</i> , 2021 , 106, 77-77	6.3	2
39	Silver nanoparticles immobilized on cellulose nanofibrils for starch-based nanocomposites with high antibacterial, biocompatible, and mechanical properties. <i>Cellulose</i> , 2021 , 28, 855-869	5.5	11
38	Preparation of nanocellulose in high yield via chemi-mechanical synergy. <i>Carbohydrate Polymers</i> , 2021 , 251, 117094	10.3	18
37	Biodegradable sandwich-architected films derived from pea starch and polylactic acid with enhanced shelf-life for fruit preservation. <i>Carbohydrate Polymers</i> , 2021 , 251, 117117	10.3	22
36	Lignin containing cellulose nanofibers (LCNFs): Lignin content-morphology-rheology relationships. <i>Carbohydrate Polymers</i> , 2021 , 254, 117441	10.3	20
35	Cellulose nanofibrils (CNFs) produced by different mechanical methods to improve mechanical properties of recycled paper. <i>Carbohydrate Polymers</i> , 2021 , 254, 117474	10.3	16
34	Bottom-Up Ecofriendly Strategy for Construction of Sustainable Bacterial Cellulose Bioaerogel with Multifunctional Properties. <i>Advanced Materials Interfaces</i> , 2021 , 8, 2002101	4.6	6

33	Isolation and rheological characterization of cellulose nanofibrils (CNFs) produced by microfluidic homogenization, ball-milling, grinding and refining. <i>Cellulose</i> , 2021 , 28, 3389-3408	5.5	7
32	Structural characterization and antioxidant activities of Bletilla striata polysaccharide extracted by different methods. <i>Carbohydrate Polymers</i> , 2021 , 266, 118149	10.3	13
31	Pickering emulsion stabilized by cellulosic fibers: Morphological properties-interfacial stabilization-rheological behavior relationships. <i>Carbohydrate Polymers</i> , 2021 , 269, 118339	10.3	10
30	Eco-Friendly Superhydrophobic Composites with Thermostability, UV Resistance, and Coating Transparency.. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 61681-61692	9.5	0
29	Waterborne fluorescent dual anti-counterfeiting ink based on Yb/Er-carbon quantum dots grafted with dialdehyde nano-fibrillated cellulose. <i>Carbohydrate Polymers</i> , 2020 , 247, 116721	10.3	16
28	Efficient fractionation of cellulose nanofibers using spiral microchannel. <i>Cellulose</i> , 2020 , 27, 4029-4041	5.5	4
27	Properties of cellulose nanofibril produced from wet ball milling after enzymatic treatment vs. mechanical grinding of bleached softwood kraft fibers. <i>BioResources</i> , 2020 , 15, 3809-3820	1.3	12
26	Cellulose nanocrystal dye as reinforcement matrix of lipstick for inhibiting color migration. <i>Cellulose</i> , 2020 , 27, 905-913	5.5	10
25	Degradable dual superlyophobic lignocellulosic fibers for high-efficiency oil/water separation. <i>Green Chemistry</i> , 2020 , 22, 504-512	10	53
24	Effect of lignin content on the microstructural characteristics of lignocellulose nanofibrils. <i>Cellulose</i> , 2020 , 27, 1327-1340	5.5	13
23	The mechanism of Cu (II) adsorption onto 2,3-dialdehyde nano-fibrillated celluloses. <i>Carbohydrate Polymers</i> , 2020 , 230, 115631	10.3	11
22	Crystalline stability of cellulose III nanocrystals in the hydrothermal treatment and NaOH solution. <i>Carbohydrate Polymers</i> , 2020 , 249, 116827	10.3	9
21	Scalable and Robust Bacterial Cellulose Carbon Aerogels as Reusable Absorbents for High-Efficiency Oil/Water Separation.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 7483-7491	4.1	18
20	Distribution analysis of cellulose nanofibrils in paper handsheets: Dye-labeled Method. <i>Carbohydrate Polymers</i> , 2020 , 239, 116226	10.3	2
19	Flexible and Hierarchical 3D Interconnected Silver Nanowires/Cellulosic Paper-Based Thermoelectric Sheets with Superior Electrical Conductivity and Ultrahigh Thermal Dispersion Capability. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 39088-39099	9.5	22
18	A water solvent-assisted condensation polymerization strategy of superhydrophobic lignocellulosic fibers for efficient oil/water separation. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 16447-16457	13	43
17	Thermal pyrolysis characteristics and kinetics of hemicellulose isolated from Camellia Oleifera Shell. <i>Bioresource Technology</i> , 2019 , 282, 228-235	11	34
16	Endoglucanase recycling for disintegrating cellulosic fibers to fibrils. <i>Carbohydrate Polymers</i> , 2019 , 223, 115052	10.3	4

15	Effect of nanocellulose fiber hornification on water fraction characteristics and hydroxyl accessibility during dehydration. <i>Carbohydrate Polymers</i> , 2019 , 207, 44-51	10.3	24
14	Controlled Release and Long-Term Antibacterial Activity of Dialdehyde Nanofibrillated Cellulose/Silver Nanoparticle Composites. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 1146-1158	8.3	61
13	Effect of retention rate of fluorescent cellulose nanofibrils on paper properties and structure. <i>Carbohydrate Polymers</i> , 2018 , 186, 73-81	10.3	26
12	Deconstruction of cellulosic fibers to fibrils based on enzymatic pretreatment. <i>Bioresource Technology</i> , 2018 , 267, 426-430	11	28
11	Physical properties and thermal behavior of reconstituted tobacco sheet with precipitated calcium carbonate added in the coating process. <i>Cellulose</i> , 2017 , 24, 2581-2590	5.5	3
10	Thermal pyrolysis characteristics of macroalgae <i>Cladophora glomerata</i> . <i>Bioresource Technology</i> , 2017 , 243, 212-217	11	26
9	Sulfur-modified chitosan hydrogel as an adsorbent for removal of Hg(II) from effluents. <i>Fibers and Polymers</i> , 2017 , 18, 1229-1234	2	7
8	Improving the cross-linking degree of oxidized potato starch via addition of nanocrystalline cellulose. <i>Starch/Staerke</i> , 2017 , 69, 1700042	2.3	7
7	Efficient conversion of Hybrid Pennisetum to glucose by oxygen-aqueous alkaline ionic liquid media pretreatment under benign conditions. <i>Bioresource Technology</i> , 2017 , 243, 335-338	11	14
6	Photochromic paper from wood pulp modification via layer-by-layer assembly of pulp fiber/chitosan/spiropyran. <i>Carbohydrate Polymers</i> , 2017 , 157, 704-710	10.3	25
5	Investigation of [Emim][OAc] as a mild pretreatment solvent for enhancing the sulfonation efficiency of alkali lignin. <i>RSC Advances</i> , 2017 , 7, 31009-31017	3.7	4
4	Influence of binding mechanism on labeling efficiency and luminous properties of fluorescent cellulose nanocrystals. <i>Carbohydrate Polymers</i> , 2017 , 175, 105-112	10.3	20
3	Efficient Degradation of Methylene Blue by the Nano TiO ₂ -functionalized Graphene Oxide Nanocomposite Photocatalyst for Wastewater Treatment. <i>Water, Air, and Soil Pollution</i> , 2016 , 227, 1	2.6	12
2	A comparison of cellulose nanofibrils produced from <i>Cladophora glomerata</i> algae and bleached eucalyptus pulp. <i>Cellulose</i> , 2016 , 23, 493-503	5.5	81
1	Effect of depth beating on the fiber properties and enzymatic saccharification efficiency of softwood kraft pulp. <i>Carbohydrate Polymers</i> , 2015 , 127, 400-6	10.3	22