

# Jinsong Zeng

## List of Publications by Year in descending order

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Version: 2024-02-01

54  
papers

1,746  
citations

218677

26  
h-index

289244

40  
g-index

55  
all docs

55  
docs citations

55  
times ranked

1614  
citing authors

#	ARTICLE	IF	CITATIONS
1	A comparison of cellulose nanofibrils produced from <i>Cladophora glomerata</i> algae and bleached eucalyptus pulp. <i>Cellulose</i> , 2016, 23, 493-503.	4.9	117
2	Degradable dual superlyophobic lignocellulosic fibers for high-efficiency oil/water separation. <i>Green Chemistry</i> , 2020, 22, 504-512.	9.0	95
3	Structural characterization and antioxidant activities of <i>Bletilla striata</i> polysaccharide extracted by different methods. <i>Carbohydrate Polymers</i> , 2021, 266, 118149.	10.2	90
4	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.	6.7	85
5	Lignin containing cellulose nanofibers (LCNFs): Lignin content-morphology-rheology relationships. <i>Carbohydrate Polymers</i> , 2021, 254, 117441.	10.2	65
6	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.	10.3	61
7	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.	10.2	58
8	Pickering emulsion stabilized by cellulosic fibers: Morphological properties-interfacial stabilization-rheological behavior relationships. <i>Carbohydrate Polymers</i> , 2021, 269, 118339.	10.2	58
9	Chiral Photonic Liquid Crystal Films Derived from Cellulose Nanocrystals. <i>Small</i> , 2021, 17, e2007306.	10.0	54
10	A self-healing, recyclable and conductive gelatin/nanofibrillated cellulose/Fe <sup>3+</sup> hydrogel based on multi-dynamic interactions for a multifunctional strain sensor. <i>Materials Horizons</i> , 2022, 9, 1412-1421.	12.2	53
11	Preparation of nanocellulose in high yield via chemi-mechanical synergy. <i>Carbohydrate Polymers</i> , 2021, 251, 117094.	10.2	50
12	Cellulose nanofibrils (CNFs) produced by different mechanical methods to improve mechanical properties of recycled paper. <i>Carbohydrate Polymers</i> , 2021, 254, 117474.	10.2	50
13	Thermal pyrolysis characteristics and kinetics of hemicellulose isolated from <i>Camellia Oleifera</i> Shell. <i>Bioresource Technology</i> , 2019, 282, 228-235.	9.6	47
14	Effect of nanocellulose fiber hornification on water fraction characteristics and hydroxyl accessibility during dehydration. <i>Carbohydrate Polymers</i> , 2019, 207, 44-51.	10.2	47
15	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.	4.6	45
16	Deconstruction of cellulosic fibers to fibrils based on enzymatic pretreatment. <i>Bioresource Technology</i> , 2018, 267, 426-430.	9.6	43
17	Thermal pyrolysis characteristics of macroalgae <i>Cladophora glomerata</i> . <i>Bioresource Technology</i> , 2017, 243, 212-217.	9.6	42
18	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 &amp; Interfaces</i> , 2019, 11, 39088-39099.	8.0	39

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19	Waterborne fluorescent dual anti-counterfeiting ink based on Yb/Er-carbon quantum dots grafted with dialdehyde nano-fibrillated cellulose. Carbohydrate Polymers, 2020, 247, 116721.	10.2	37
20	Mechanically Flexible Carbon Aerogel with Wavy Layers and Springboard Elastic Supporting Structure for Selective Oil/Organic Solvent Recovery. ACS Applied Materials & Interfaces, 2021, 13, 15910-15924.	8.0	37
21	Cellulose nanofibrils manufactured by various methods with application as paper strength additives. Scientific Reports, 2021, 11, 11918.	3.3	37
22	Photochromic paper from wood pulp modification via layer-by-layer assembly of pulp fiber/chitosan/spiropyran. Carbohydrate Polymers, 2017, 157, 704-710.	10.2	36
23	Fabrications and applications of hemicellulose-based bio-adsorbents. Carbohydrate Polymers, 2022, 278, 118945.	10.2	33
24	Effect of retention rate of fluorescent cellulose nanofibrils on paper properties and structure. Carbohydrate Polymers, 2018, 186, 73-81.	10.2	31
25	Effect of depth beating on the fiber properties and enzymatic saccharification efficiency of softwood kraft pulp. Carbohydrate Polymers, 2015, 127, 400-406.	10.2	28
26	Influence of binding mechanism on labeling efficiency and luminous properties of fluorescent cellulose nanocrystals. Carbohydrate Polymers, 2017, 175, 105-112.	10.2	27
27	Silver nanoparticles immobilized on cellulose nanofibrils for starch-based nanocomposites with high antibacterial, biocompatible, and mechanical properties. Cellulose, 2021, 28, 855-869.	4.9	25
28	Mechanically Strong Electrically Insulated Nanopapers with High UV Resistance Derived from Aramid Nanofibers and Cellulose Nanofibrils. ACS Applied Materials & Interfaces, 2022, 14, 14640-14653.	8.0	25
29	The mechanism of Cu (II) adsorption onto 2,3-dialdehyde nano-fibrillated celluloses. Carbohydrate Polymers, 2020, 230, 115631.	10.2	24
30	Effect of lignin content on the microstructural characteristics of lignocellulose nanofibrils. Cellulose, 2020, 27, 1327-1340.	4.9	22
31	Properties of cellulose nanofibril produced from wet ball milling after enzymatic treatment vs. mechanical grinding of bleached softwood kraft fibers. BioResources, 2020, 15, 3809-3820.	1.0	22
32	Isolation and rheological characterization of cellulose nanofibrils (CNFs) produced by microfluidic homogenization, ball-milling, grinding and refining. Cellulose, 2021, 28, 3389-3408.	4.9	21
33	Cellulose nanocrystal dye as reinforcement matrix of lipstick for inhibiting color migration. Cellulose, 2020, 27, 905-913.	4.9	18
34	Bottom-Up Ecofriendly Strategy for Construction of Sustainable Bacterial Cellulose Bioaerogel with Multifunctional Properties. Advanced Materials Interfaces, 2021, 8, 2002101.	3.7	17
35	Silver-Nanoparticle-Embedded Hybrid Nanopaper with Significant Thermal Conductivity Enhancement. ACS Applied Materials & Interfaces, 2021, 13, 36171-36181.	8.0	17
36	High-Performance and Rapid-Response Electrical Heaters Derived from Cellulose Nanofiber/Silver Nanowire Nanopapers for Portable Thermal Management. ACS Applied Materials & Interfaces, 2022, 14, 30144-30159.	8.0	17

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37	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.	9.6	16
38	Eco-Friendly Superhydrophobic Composites with Thermostability, UV Resistance, and Coating Transparency. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 61681-61692.	8.0	16
39	Efficient Degradation of Methylene Blue by the Nano TiO <sub>2</sub> -functionalized Graphene Oxide Nanocomposite Photocatalyst for Wastewater Treatment. <i>Water, Air, and Soil Pollution</i> , 2016, 227, 1.	2.4	14
40	Crystalline stability of cellulose III nanocrystals in the hydrothermal treatment and NaOH solution. <i>Carbohydrate Polymers</i> , 2020, 249, 116827.	10.2	13
41	Cellulosic fiber: mechanical fibrillation-morphology-rheology relationships. <i>Cellulose</i> , 2021, 28, 7651-7662.	4.9	13
42	Improving the cross-linking degree of oxidized potato starch via addition of nanocrystalline cellulose. <i>Starch/Staerke</i> , 2017, 69, 1700042.	2.1	12
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.	4.9	12
44	Ultrahigh Adsorption of Toxic Substances from Cigarette Smoke Using Nanocellulose-SiO <sub>2</sub> Hybrid Aerogels. <i>ACS Applied Polymer Materials</i> , 2022, 4, 1173-1182.	4.4	11
45	Sulfur-modified chitosan hydrogel as an adsorbent for removal of Hg(II) from effluents. <i>Fibers and Polymers</i> , 2017, 18, 1229-1234.	2.1	10
46	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.	3.6	9
47	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.	4.9	8
48	Precisely controlled preparation of uniform nanocrystalline cellulose via microfluidic technology. <i>Journal of Industrial and Engineering Chemistry</i> , 2022, 106, 77-85.	5.8	8
49	Endoglucanase recycling for disintegrating cellulosic fibers to fibrils. <i>Carbohydrate Polymers</i> , 2019, 223, 115052.	10.2	7
50	Efficient fractionation of cellulose nanofibers using spiral microchannel. <i>Cellulose</i> , 2020, 27, 4029-4041.	4.9	6
51	Distribution analysis of cellulose nanofibrils in paper handsheets: Dye-labeled Method. <i>Carbohydrate Polymers</i> , 2020, 239, 116226.	10.2	6
52	Effects of different N-acyl-serine lactone signaling molecules on the performance of anaerobic granular sludge. <i>RSC Advances</i> , 2022, 12, 5439-5446.	3.6	6
53	Characteristics of concentrated lignocellulosic nanofibril suspensions. <i>Cellulose</i> , 2022, 29, 147-158.	4.9	5
54	Stability of Burgers-Korteweg-de Vries Equation. , 2007, , .		1