

Jinghui Zhou

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.

87
papers

1,680
citations

24
h-index

37
g-index

96
ext. papers

2,634
ext. citations

6.6
avg, IF

5.42
L-index

#	Paper	IF	Citations
87	Development of the synthesis and applications of xyloic acid: A mini-review. <i>Fuel</i> , 2022 , 314, 122773	7.1	6
86	Effect of hierarchical HZSM-5 zeolite on the catalytic depolymerization of organosolv lignin to renewable phenols. <i>Journal of Porous Materials</i> , 2022 , 29, 445	2.4	2
85	The Synthesis of h-BN-Modified Z-Scheme WO ₃ /g-CN Heterojunctions for Enhancing Visible Light Photocatalytic Degradation of Tetracycline Pollutants.. <i>ACS Omega</i> , 2022 , 7, 6035-6045	3.9	2
84	Multifunction lignin-based carbon nanofibers with enhanced electromagnetic wave absorption and supercapacitive energy storage capabilities.. <i>International Journal of Biological Macromolecules</i> , 2022 , 199, 201-211	7.9	0
83	Removed heavy metal ions from wastewater reuse for chemiluminescence: Successive application of lignin-based composite hydrogels. <i>Journal of Hazardous Materials</i> , 2022 , 421, 126722	12.8	17
82	NiP/P-N-C Derived from Natural Single-Celled Chlorella for Catalytic Depolymerization of Lignin into Monophenols.. <i>ACS Omega</i> , 2022 , 7, 13134-13143	3.9	1
81	Lignin-based electrospinning nanofibers for reversible iodine capture and potential applications.. <i>International Journal of Biological Macromolecules</i> , 2022 , 208, 782-793	7.9	1
80	High-efficiency capture and removal of phosphate from wastewater by 3D hierarchical functional biomass-derived carbon aerogel.. <i>Science of the Total Environment</i> , 2022 , 827, 154343	10.2	3
79	Biomass-based flexible fire warning sensor with excellent flame retardancy and sensitivity. <i>Chemical Engineering Journal</i> , 2022 , 437, 135412	14.7	1
78	Three-dimensional macroporous hybrid carbon aerogel with heterogeneous structure derived from MXene/cellulose aerogel for absorption-dominant electromagnetic interference shielding and excellent thermal insulation performance.. <i>Journal of Colloid and Interface Science</i> , 2022 , 619, 96-105	9.3	6
77	Layer-by-Layer Assembly of Graphene Oxide and Polyethylenimine on Carbon Nanofiber Films for Supercapacitor Applications. <i>ACS Applied Nano Materials</i> , 2022 , 5, 455-463	5.6	0
76	Magnetic coupling N self-doped porous carbon derived from biomass with broad absorption bandwidth and high-efficiency microwave absorption. <i>Journal of Colloid and Interface Science</i> , 2021 ,	9.3	3
75	Recent Advances and Challenges in Photoreforming of Biomass-Derived Feedstocks into Hydrogen, Biofuels, or Chemicals by Using Functional Carbon Nitride Photocatalysts. <i>ChemSusChem</i> , 2021 , 14, 4903-4922	8.3	7
74	N-Doped Carbon Nanofibers Decorated with Graphene for High-Performance Supercapacitors. <i>Energy Technology</i> , 2021 , 9, 2100743	3.5	1
73	Characterization of lignin extracted from <i>Acanthopanax senticosus</i> residue using different methods on UV-resistant behavior. <i>International Journal of Biological Macromolecules</i> , 2021 , 192, 498-505	7.9	1
72	Tuning structure of spent coffee ground lignin by temperature fractionation to improve lignin-based carbon nanofibers mechanical performance. <i>International Journal of Biological Macromolecules</i> , 2021 , 174, 254-262	7.9	4
71	Flexible and Conductive Cellulose Composite Paper for Highly Efficient Electromagnetic Interference Shielding. <i>Advanced Electronic Materials</i> , 2021 , 7, 2100496	6.4	3

70	Photocatalytic conversion of biomass-based monosaccharides to lactic acid by ultrathin porous oxygen doped carbon nitride. <i>Applied Catalysis B: Environmental</i> , 2021 , 283, 119520	21.8	48
69	Fabrication of porous ultrathin carbon nitride nanosheet catalysts with enhanced photocatalytic activity for N- and O-heterocyclic compound synthesis. <i>New Journal of Chemistry</i> , 2021 , 45, 365-372	3.6	4
68	Enhanced adsorption activity for phosphate removal by functional lignin-derived carbon-based adsorbent: Optimization, performance and evaluation. <i>Science of the Total Environment</i> , 2021 , 761, 143217	19.2	27
67	Biomass-based flexible nanoscale carbon fibers: effects of chemical structure on energy storage properties. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 10120-10134	13	10
66	Phosphorus-doped carbon nitride with grafted sulfonic acid groups for efficient photocatalytic synthesis of xylonic acid. <i>Green Chemistry</i> , 2021 , 23, 4150-4160	10	16
65	Nitrogen-doped lignin-derived biochar with enriched loading of CeO nanoparticles for highly efficient and rapid phosphate capture. <i>International Journal of Biological Macromolecules</i> , 2021 , 182, 1484-1494	7.9	2
64	Effective fractionation strategy of sugarcane bagasse lignin to fabricate quality lignin-based carbon nanofibers supercapacitors. <i>International Journal of Biological Macromolecules</i> , 2021 , 184, 604-617	7.9	2
63	Flower-like NiMn-layered double hydroxide microspheres coated on biomass-derived 3D honeycomb porous carbon for high-energy hybrid supercapacitors. <i>Industrial Crops and Products</i> , 2021 , 166, 113472	5.9	8
62	Copper oxide functionalized chitosan hybrid hydrogels for highly efficient photocatalytic-reforming of biomass-based monosaccharides to lactic acid. <i>Applied Catalysis B: Environmental</i> , 2021 , 291, 120123	21.8	18
61	Recent advances and challenges on removal and recycling of phosphate from wastewater using biomass-derived adsorbents. <i>Chemosphere</i> , 2021 , 278, 130377	8.4	19
60	Flexible and Anisotropic Strain Sensors with the Asymmetrical Cross-Conducting Network for Versatile Bio-Mechanical Signal Recognition. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 44925-44934	8.5	6
59	Effect of lignin structure in different biomass resources on the performance of lignin-based carbon nanofibers as supercapacitor electrode. <i>Industrial Crops and Products</i> , 2021 , 170, 113745	5.9	7
58	Reasonable regulation of carbon/nitride ratio in carbon nitride for efficient photocatalytic reforming of biomass-derived feedstocks to lactic acid. <i>Applied Catalysis B: Environmental</i> , 2021 , 299, 120698	21.8	12
57	Facile synthesis of trimethylammonium grafted cellulose foams with high capacity for selective adsorption of anionic dyes from water. <i>Carbohydrate Polymers</i> , 2020 , 241, 116369	10.3	39
56	Catalytic conversion of lignin to bio-oil over PTA/MCM-41 catalyst assisted by ultrasound acoustic cavitation. <i>Fuel Processing Technology</i> , 2020 , 206, 106479	7.2	15
55	Lignin bio-oil-based electrospun nanofibers with high substitution ratio property for potential carbon nanofibers applications. <i>Polymer Testing</i> , 2020 , 89, 106591	4.5	10
54	Biomimetic lignin/poly(ionic liquids) composite hydrogel dressing with excellent mechanical strength, self-healing properties, and reusability. <i>Chemical Engineering Journal</i> , 2020 , 400, 125984	14.7	37
53	Electrospun biomass based carbon nanofibers as high-performance supercapacitors. <i>Industrial Crops and Products</i> , 2020 , 148, 112181	5.9	29

52	Unlocking the response of lignin structure by depolymerization process improved lignin-based carbon nanofibers preparation and mechanical strength. <i>International Journal of Biological Macromolecules</i> , 2020 , 156, 669-680	7.9	13
51	Ultrasound acoustic cavitation enhances depolymerization of organosolv lignin to phenolic monomers and low molecular weight lignin bio-oils. <i>Fuel Processing Technology</i> , 2020 , 203, 106387	7.2	9
50	A novel cellulose acetate/poly (ionic liquid) composite air filter. <i>Cellulose</i> , 2020 , 27, 3889-3902	5.5	16
49	From lignin-derived bio-oil to lignin-g-polyacrylonitrile nanofiber: High lignin substitution ratio and maintaining good nanofiber morphology. <i>Polymer Testing</i> , 2020 , 81, 106207	4.5	11
48	Novel Lignin-Cellulose-Based Carbon Nanofibers as High-Performance Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 1210-1221	9.5	60
47	Ni/Mg/Al Catalysts Effectively Promote Depolymerization of Rice Husk Lignin to Bio-Oil. <i>Catalysis Letters</i> , 2020 , 150, 1591-1604	2.8	3
46	Novel porous oil-water separation material with super-hydrophobicity and super-oleophilicity prepared from beeswax, lignin, and cotton. <i>Science of the Total Environment</i> , 2020 , 706, 135807	10.2	34
45	Preparation of carbon dots from waste cellulose diacetate as a sensor for tetracycline detection and fluorescence ink. <i>International Journal of Biological Macromolecules</i> , 2020 , 164, 4289-4298	7.9	9
44	Biomimetic epidermal sensors assembled from polydopamine-modified reduced graphene oxide/polyvinyl alcohol hydrogels for the real-time monitoring of human motions. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 10549-10558	7.3	17
43	Preparation of sulfur-doped carbon quantum dots from lignin as a sensor to detect Sudan I in an acidic environment. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 10788-10796	7.3	22
42	Synergetic enhancement of thermal conductivity by constructing BN and AlN hybrid network in epoxy matrix. <i>Journal of Polymer Research</i> , 2020 , 27, 1	2.7	10
41	Electrospun Lignin-Based Carbon Nanofibers as Supercapacitor Electrodes. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 12831-12841	8.3	31
40	Efficient and controllable ultrasound-assisted depolymerization of organosolv lignin catalyzed to liquid fuels by MCM-41 supported phosphotungstic acid.. <i>RSC Advances</i> , 2020 , 10, 31479-31494	3.7	8
39	Reinforced macromolecular micelle-crosslinked hyaluronate gels induced by water/DMSO binary solvent. <i>Soft Matter</i> , 2020 , 16, 8647-8654	3.6	1
38	Renewable lignin-based carbon nanofiber as Ni catalyst support for depolymerization of lignin to phenols in supercritical ethanol/water. <i>Renewable Energy</i> , 2020 , 147, 1331-1339	8.1	50
37	Highly efficient and stable catalysis of p-nitrophenol via silver/lignin/polyacrylic acid hydrogel. <i>International Journal of Biological Macromolecules</i> , 2020 , 144, 947-953	7.9	13
36	Synthesis of TiO ₂ @lignin based carbon nanofibers composite materials with highly efficient photocatalytic to methylene blue dye. <i>Journal of Polymer Research</i> , 2020 , 27, 1	2.7	14
35	Biomimetic Biomass-Bsd Carbon Fibers: Effect of Covalent-Bnd Connection on Performance of Derived Carbon Fibers. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 16084-16093	8.3	21

34	Sulfonic-acid-functionalized carbon fiber from waste newspaper as a recyclable carbon based solid acid catalyst for the hydrolysis of cellulose.. <i>RSC Advances</i> , 2019 , 9, 28902-28907	3.7	18
33	Ultra-low gas permeable cellulose nanofiber nanocomposite films filled with highly oriented graphene oxide nanosheets induced by shear field. <i>Carbohydrate Polymers</i> , 2019 , 209, 310-319	10.3	27
32	A Comparison of Phenolic Monomers Produced from Different Types of Lignin by Phosphotungstic Acid Catalysts. <i>ChemistryOpen</i> , 2019 , 8, 643-649	2.3	14
31	Glass bead-catalyzed depolymerization of poplar wood lignin into low-molecular-weight products. <i>New Journal of Chemistry</i> , 2019 , 43, 9280-9288	3.6	3
30	A Phosphotungstic Acid Catalyst for Depolymerization in Bulrush Lignin. <i>Catalysts</i> , 2019 , 9, 399	4	11
29	Stiff micelle-crosslinked hyaluronate hydrogels with low swelling for potential cartilage repair. <i>Journal of Materials Chemistry B</i> , 2019 , 7, 5490-5501	7.3	33
28	Novel lignin-chitosan-PVA composite hydrogel for wound dressing. <i>Materials Science and Engineering C</i> , 2019 , 104, 110002	8.3	97
27	Novel Nonprecious Metal Loading Multi-Metal Oxide Catalysts for Lignin Depolymerization. <i>Energy & Fuels</i> , 2019 , 33, 6491-6500	4.1	7
26	Nano-magnesium oxide as hard template synthesis of lignin carbonbased solid acids and its application for cellulose hydrolysis. <i>Tappi Journal</i> , 2019 , 18, 67-71	0.5	1
25	Stepwise fractionation extracted lignin for high strength lignin-based carbon fibers. <i>New Journal of Chemistry</i> , 2019 , 43, 18868-18875	3.6	8
24	Functional food packaging for reducing residual liquid food: Thermo-resistant edible super-hydrophobic coating from coffee and beeswax. <i>Journal of Colloid and Interface Science</i> , 2019 , 533, 742-749	9.3	41
23	Self-assembly of cationic amphiphilic cellulose-g-poly (p-dioxanone) copolymers. <i>Carbohydrate Polymers</i> , 2019 , 204, 214-222	10.3	18
22	Synergistic effect of graphene nanosheets and carbonyl iron-nickel alloy hybrid filler on electromagnetic interference shielding and thermal conductivity of cyanate ester composites. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 1476-1486	7.1	169
21	Effect of particle size of HZSM-5 zeolite on the catalytic depolymerization of organosolv lignin to phenols. <i>Journal of Analytical and Applied Pyrolysis</i> , 2018 , 129, 13-20	6	30
20	High-strength lignin-based carbon fibers a low-energy method.. <i>RSC Advances</i> , 2018 , 8, 1218-1224	3.7	34
19	Impact of lignin extraction methods on microstructure and mechanical properties of lignin-based carbon fibers. <i>Journal of Applied Polymer Science</i> , 2018 , 135, 45580	2.9	26
18	Preparation and characterization of thermo-sensitive gel with phenolated alkali lignin. <i>Scientific Reports</i> , 2018 , 8, 14450	4.9	24
17	Lignin Structure and Solvent Effects on the Selective Removal of Condensed Units and Enrichment of S-Type Lignin. <i>Polymers</i> , 2018 , 10,	4.5	16

16	Lignin/Polyacrylonitrile Carbon Fibers: The Effect of Fractionation and Purification on Properties of Derived Carbon Fibers. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 8554-8562	8.3	42
15	Structural changes of poplar wood lignin after supercritical pretreatment using carbon dioxide and ethanol/water as co-solvents. <i>RSC Advances</i> , 2017 , 7, 8314-8322	3.7	50
14	Preparation, characterization and the adsorption characteristics of lignin/silica nanocomposites from cellulosic ethanol residue. <i>RSC Advances</i> , 2017 , 7, 41176-41181	3.7	19
13	Self-assembly and paclitaxel loading capacity of β -tocopherol succinate-conjugated hydroxyethyl cellulose nanomicelle. <i>Colloid and Polymer Science</i> , 2016 , 294, 135-143	2.4	13
12	Single cell migration dynamics mediated by geometric confinement. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016 , 145, 72-78	6	11
11	Structural transformations of triploid of <i>Populus tomentosa</i> Carr. lignin during auto-catalyzed ethanol organosolv pretreatment. <i>Industrial Crops and Products</i> , 2015 , 76, 522-529	5.9	52
10	Hybrid effect on mechanical properties of M40-T300 carbon fiber reinforced Bisphenol A Dicyanate ester composites. <i>Polymer Composites</i> , 2010 , 31, 2129-2137	3	19
9	Curing behavior of epoxy/POSS/DDS hybrid systems. <i>Polymer Composites</i> , 2008 , 29, 77-83	3	31
8	Epoxy/POSS organic/inorganic hybrids: Viscoelastic, mechanical properties and micromorphologies. <i>Polymer Composites</i> , 2007 , 28, 175-179	3	68
7	Thermodegradation kinetics of epoxy/DDS/POSS system. <i>Polymer Composites</i> , 2007 , 28, 755-761	3	21
6	Epoxy-modified cyanate ester resin and its high-modulus carbon-fiber composites. <i>Polymer Composites</i> , 2006 , 27, 402-409	3	37
5	Influence of epoxy sizing of carbon-fiber on the properties of carbon fiber/cyanate ester composites. <i>Polymer Composites</i> , 2006 , 27, 591-598	3	18
4	Base-catalyzed depolymerization of lignin into phenols: methoxy groups-induced secondary reactions triggered phenol regulation and repolymerization. <i>Biomass Conversion and Biorefinery</i> , 1	2.3	1
3	Exploration of mechanisms of lignin extraction by different methods. <i>Environmental Progress and Sustainable Energy</i> , e13785	2.5	0
2	Boosting photocatalytic performance for selective oxidation of biomass-derived pentoses and hexoses to lactic acid using hierarchically porous Cu/Cu ₂ O/CuO@CA. <i>Journal of Materials Chemistry C</i> ,	7.1	4
1	Facile adjusting the concentration of siliceous seed to obtain different HZSM-5 zeolite catalysts for effective catalytic depolymerization reaction of lignin. <i>Biomass Conversion and Biorefinery</i> , 1	2.3	3