

Weibing Wu

List of Publications by Citations

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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.

48
papers

1,062
citations

18
h-index

31
g-index

52
ext. papers

1,468
ext. citations

6.5
avg, IF

5.05
L-index

#	Paper	IF	Citations
48	Shape memory aerogels from nanocellulose and polyethyleneimine as a novel adsorbent for removal of Cu(II) and Pb(II). <i>Carbohydrate Polymers</i> , 2018 , 196, 376-384	10.3	98
47	Thermo-responsive and fluorescent cellulose nanocrystals grafted with polymer brushes. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 1995-2005	13	60
46	Methods and applications of nanocellulose loaded with inorganic nanomaterials: A review. <i>Carbohydrate Polymers</i> , 2020 , 229, 115454	10.3	60
45	Comparative study of lignin characteristics from wheat straw obtained by soda-AQ and kraft pretreatment and effect on the following enzymatic hydrolysis process. <i>Bioresource Technology</i> , 2016 , 207, 361-9	11	55
44	Contribution of lignin to the surface structure and physical performance of cellulose nanofibrils film. <i>Cellulose</i> , 2018 , 25, 1309-1318	5.5	54
43	Temperature-sensitive poly-NIPAm modified cellulose nanofibril cryogel microspheres for controlled drug release. <i>Cellulose</i> , 2016 , 23, 415-425	5.5	54
42	Lignocellulosic nanofibrils produced using wheat straw and their pulping solid residue: From agricultural waste to cellulose nanomaterials. <i>Waste Management</i> , 2019 , 91, 1-8	8.6	50
41	Nanocellulose/Gelatin Composite Cryogels for Controlled Drug Release. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 6381-6389	8.3	49
40	Dispersion Properties of Nanocellulose: A Review. <i>Carbohydrate Polymers</i> , 2020 , 250, 116892	10.3	48
39	High wet-strength, thermally stable and transparent TEMPO-oxidized cellulose nanofibril film via cross-linking with poly-amide epichlorohydrin resin. <i>RSC Advances</i> , 2017 , 7, 31567-31573	3.7	45
38	Nanocellulose/Poly(2-(dimethylamino)ethyl methacrylate)Interpenetrating polymer network hydrogels for removal of Pb(II) and Cu(II) ions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018 , 538, 474-480	5.1	39
37	Ultralight super-hydrophobic carbon aerogels based on cellulose nanofibers/poly(vinyl alcohol)/graphene oxide (CNFs/PVA/GO) for highly effective oil-water separation. <i>Beilstein Journal of Nanotechnology</i> , 2018 , 9, 508-519	3	38
36	Nanocellulose-based lightweight porous materials: A review. <i>Carbohydrate Polymers</i> , 2021 , 255, 117489	10.3	35
35	Surface enhanced Raman scattering substrate for the detection of explosives: Construction strategy and dimensional effect. <i>Journal of Hazardous Materials</i> , 2020 , 387, 121714	12.8	29
34	An Individual Nanocube-Based Plasmonic Biosensor for Real-Time Monitoring the Structural Switch of the Telomeric G-Quadruplex. <i>Small</i> , 2016 , 12, 2913-20	11	27
33	Fluorescent cellulose nanocrystals with responsiveness to solvent polarity and ionic strength. <i>Sensors and Actuators B: Chemical</i> , 2018 , 275, 490-498	8.5	27
32	Polyoxometalate liquid-catalyzed polyol fuel cell and the related photoelectrochemical reaction mechanism study. <i>Journal of Power Sources</i> , 2016 , 318, 86-92	8.9	27

31	The synthesis, crystal structure and photophysical properties of three novel naphthalimide dyes. <i>Dyes and Pigments</i> , 2009 , 80, 11-16	4.6	25
30	Preparation and characterisation of CNF/MWCNT carbon aerogel as efficient adsorbents. <i>IET Nanobiotechnology</i> , 2018 , 12, 500-504	2	18
29	Water-dispersible, biocompatible and fluorescent poly(ethylene glycol)-grafted cellulose nanocrystals. <i>International Journal of Biological Macromolecules</i> , 2020 , 153, 46-54	7.9	17
28	Aerogel Perfusion-Prepared h-BN/CNF Composite Film with Multiple Thermally Conductive Pathways and High Thermal Conductivity. <i>Nanomaterials</i> , 2019 , 9,	5.4	17
27	Superamphiphobic nanocellulose aerogels loaded with silica nanoparticles. <i>Cellulose</i> , 2019 , 26, 9661-9674	5.5	16
26	Boosting the thermal conductivity of CNF-based composites by cross-linked lignin nanoparticle and BN-OH: Dual construction of 3D thermally conductive pathways. <i>Composites Science and Technology</i> , 2021 , 204, 108641	8.6	16
25	Thermally Conductive and Electrical Insulation BNNS/CNF Aerogel Nano-Paper. <i>Polymers</i> , 2019 , 11,	4.5	15
24	Enhancement of the heat conduction performance of boron nitride/cellulosic fibre insulating composites. <i>PLoS ONE</i> , 2018 , 13, e0200842	3.7	12
23	Thermo-responsive cellulose paper via ARGET ATRP. <i>Fibers and Polymers</i> , 2016 , 17, 495-501	2	12
22	Fluorescent cellulose nanocrystals for the detection of lead ions in complete aqueous solution. <i>Cellulose</i> , 2019 , 26, 9553-9565	5.5	11
21	Efficient Biomass Fuel Cell Powered by Sugar with Photo- and Thermal-Catalysis by Solar Irradiation. <i>ChemSusChem</i> , 2018 , 11, 2229-2238	8.3	11
20	Revealing Lectin-Sugar Interactions with a Single Au@Ag Nanocube. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 40944-40950	9.5	11
19	Nanocellulose-based Surface-enhanced Raman spectroscopy sensor for highly sensitive detection of TNT. <i>Carbohydrate Polymers</i> , 2020 , 248, 116766	10.3	11
18	Formaldehyde-free self-polymerization of lignin-derived monomers for synthesis of renewable phenolic resin. <i>International Journal of Biological Macromolecules</i> , 2021 , 166, 1312-1319	7.9	10
17	Fluorescent CdTe-QD-encoded nanocellulose microspheres by green spraying method. <i>Cellulose</i> , 2018 , 25, 7017-7029	5.5	10
16	INFLUENCE OF BUFFER SOLUTION ON TEMPO-MEDIATED OXIDATION. <i>BioResources</i> , 2012 , 7,	1.3	8
15	Low-cost and high-wet-strength paper-based lignocellulosic adsorbents for the removal of heavy metal ions. <i>Industrial Crops and Products</i> , 2020 , 158, 112926	5.9	7
14	Robust paper-based materials for efficient oil/water emulsion separation. <i>Cellulose</i> , 2021 , 28, 10565	5.5	6

13	Fabrication of natural cellulose microspheres via electro spraying from NaOH/Urea aqueous system. <i>Journal of Applied Polymer Science</i> , 2014 , 131, n/a-n/a	2.9	5
12	Flexible 2D nanocellulose-based SERS substrate for pesticide residue detection. <i>Carbohydrate Polymers</i> , 2022 , 277, 118890	10.3	5
11	Temperature-Sensitive, Fluorescent Poly(N-Isopropyl-acrylamide)-Grafted Cellulose Nanocrystals for Drug Release. <i>BioResources</i> , 2016 , 11,	1.3	5
10	IMPROVING PAPER STRENGTH BY GELATION OF NATIVE STARCH AND BORAX IN THE PRESENCE OF FIBERS. <i>BioResources</i> , 2012 , 7,	1.3	4
9	Dual-color polystyrene microspheres by two-stage dispersion copolymerization. <i>Materials Letters</i> , 2008 , 62, 2603-2606	3.3	4
8	Underwater superoleophobic all-cellulose composite papers for the separation of emulsified oil. <i>Cellulose</i> , 2021 , 28, 4357-4370	5.5	3
7	Hydrophobic nanocellulose aerogels with high loading of metal-organic framework particles as floating and reusable oil absorbents. <i>Frontiers of Chemical Science and Engineering</i> , 2021 , 15, 1158-1168	4.5	3
6	One-dimensional nanohybrids based on cellulose nanocrystals and their SERS performance.. <i>Carbohydrate Polymers</i> , 2022 , 284, 119140	10.3	2
5	Recent Progress of SERS Nanoprobe for pH Detecting and Its Application in Biological Imaging. <i>Biosensors</i> , 2021 , 11,	5.9	2
4	9-Phenyl-3,6-bis-(4,4,5,5-tetra-methyl-1,3,2-dioxaborolan-2-yl)-9H-carbazole. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011 , 67, o1919		1
3	Multifunctional cellulose paper-based materials and their application in complex wastewater treatment.. <i>International Journal of Biological Macromolecules</i> , 2022 , 207, 414-423	7.9	0
2	High flux composite membranes based on glass/cellulose fibers for efficient oil-water emulsion separation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022 , 647, 129016	5.1	0
1	Novel Glutathione Activated Smart Probe for Photoacoustic Imaging, Photothermal Therapy, and Safe Postsurgery Treatment. <i>ACS Applied Materials & Interfaces</i> , 2022 , 14, 24174-24186	9.5	0