Yiying Yue

List of Publications by Year in Descending Order

44 papers	2,752 citations	25 h-index	46 g-index
46 ext. papers	3,674 ext. citations	8.1 avg, IF	5.67 L-index

#	Paper	IF	Citations
44	Spider-web-inspired membrane reinforced with sulfhydryl-functionalized cellulose nanocrystals for oil/water separation.. *Carbohydrate Polymers*, **2022**, 282, 119049	10.3	3
43	Construction of mechanically robust and recyclable photocatalytic hydrogel based on nanocellulose-supported CdS/MoS2/Montmorillonite hybrid for antibiotic degradation. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2022**, 636, 128035	5.1	6
42	High-efficiency, compressible, and recyclable reduced graphene oxide/chitosan composite aerogels supported g-C3N4/BiOBr photocatalyst for adsorption and degradation of rhodamine B. *Journal of Environmental Chemical Engineering*, **2022**, 10, 107157	6.8	4
41	Anisotropic cellulose nanofibril composite sponges for electromagnetic interference shielding with low reflection loss. *Carbohydrate Polymers*, **2022**, 276, 118799	10.3	17
40	Antiviral/antibacterial biodegradable cellulose nonwovens as environmentally friendly and bioprotective materials with potential to minimize microplastic pollution. *Journal of Hazardous Materials*, **2022**, 424, 127391	12.8	9
39	High strength and ultralight lignin-mediated fire-resistant aerogel for repeated oil/water separation. *Carbon*, **2022**, 193, 285-297	10.4	3
38	Inherently Conductive Poly(dimethylsiloxane) Elastomers Synergistically Mediated by Nanocellulose/Carbon Nanotube Nanohybrids toward Highly Sensitive, Stretchable, and Durable Strain Sensors. *ACS Applied Materials & Interfaces*, **2021**,	9.5	9
37	Self-Recovery, Fatigue-Resistant, and Multifunctional Sensor Assembled by a Nanocellulose/Carbon Nanotube Nanocomplex-Mediated Hydrogel. *ACS Applied Materials & Interfaces*, **2021**, 13, 50281-50297	9.5	18
36	Surface and Interface Engineering for Nanocellulosic Advanced Materials. *Advanced Materials*, **2021**, 33, e2002264	24	87
35	Highly viscoelastic, stretchable, conductive, and self-healing strain sensors based on cellulose nanofiber-reinforced polyacrylic acid hydrogel. *Cellulose*, **2021**, 28, 4295-4311	5.5	40
34	Wood-Derived, Conductivity and Hierarchical Pore Integrated Thick Electrode Enabling High Areal/Volumetric Energy Density for Hybrid Capacitors. *Small*, **2021**, 17, e2102532	11	15
33	Effects of cellulose/salicylaldehyde thiosemicarbazone complexes on PVA based hydrogels: Portable, reusable, and high-precision luminescence sensing of Cu. *Journal of Hazardous Materials*, **2021**, 401, 123798	12.8	18
32	Recent advances in cellulose-based flexible triboelectric nanogenerators. *Nano Energy*, **2021**, 87, 106175	17.1	36
31	Highly stretchable and self-healing cellulose nanofiber-mediated conductive hydrogel towards strain sensing application. *Journal of Colloid and Interface Science*, **2021**, 597, 171-181	9.3	38
30	TEMPO-oxidized cellulose nanofibers/polyacrylamide hybrid hydrogel with intrinsic self-recovery and shape memory properties. *Cellulose*, **2021**, 28, 1469-1488	5.5	25
29	Cellulose nanofibers from rapidly microwave-delignified energy cane bagasse and their application in drilling fluids as rheology and filtration modifiers. *Industrial Crops and Products*, **2020**, 150, 112378	5.9	15
28	Assessing the effects of cellulose-inorganic nanofillers on thermo/pH-dual responsive hydrogels. *Applied Surface Science*, **2020**, 528, 146961	6.7	8

27	Preparation of cellulose acetate-polyacrylonitrile composite nanofibers by multi-fluid mixing electrospinning method: Morphology, wettability, and mechanical properties. *Applied Surface Science*, **2020**, 510, 145462	6.7	29
26	Highly recyclable and super-tough hydrogel mediated by dual-functional TiO nanoparticles toward efficient photodegradation of organic water pollutants. *Journal of Colloid and Interface Science*, **2020**, 564, 99-112	9.3	29
25	Overcoming Salt Contamination of Bentonite Water-Based Drilling Fluids with Blended Dual-Functionalized Cellulose Nanocrystals. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 11569-11578	8.3	24
24	Self-healing Polyol/Borax Hydrogels: Fabrications, Properties and Applications. *Chemical Record*, **2020**, 20, 1142-1162	6.6	18
23	A stretchable, self-healing conductive hydrogels based on nanocellulose supported graphene towards wearable monitoring of human motion. *Carbohydrate Polymers*, **2020**, 250, 116905	10.3	76
22	Anisotropic nanocellulose aerogels with ordered structures fabricated by directional freeze-drying for fast liquid transport. *Cellulose*, **2019**, 26, 6653-6667	5.5	66
21	An intrinsically self-healing and biocompatible electroconductive hydrogel based on nanostructured nanocellulose-polyaniline complexes embedded in a viscoelastic polymer network towards flexible conductors and electrodes. *Electrochimica Acta*, **2019**, 318, 660-672	6.7	101
20	Green Preparation of Fluorescent Carbon Quantum Dots from Cyanobacteria for Biological Imaging. *Polymers*, **2019**, 11,	4.5	49
19	Influence of silane/MaPE dual coupling agents on the rheological and mechanical properties of sawdust/rubber/HDPE composites. *Holzforschung*, **2019**, 73, 605-611	2	1
18	Assembly of Polyacrylamide-Sodium Alginate-Based Organic-Inorganic Hydrogel with Mechanical and Adsorption Properties. *Polymers*, **2019**, 11,	4.5	23
17	Electrospun Core-Shell Nanofibrous Membranes with Nanocellulose-Stabilized Carbon Nanotubes for Use as High-Performance Flexible Supercapacitor Electrodes with Enhanced Water Resistance, Thermal Stability, and Mechanical Toughness. *ACS Applied Materials & Interfaces*, **2019**, 11, 44624-44635	9.5	99
16	Effects of nanocellulose on sodium alginate/polyacrylamide hydrogel: Mechanical properties and adsorption-desorption capacities. *Carbohydrate Polymers*, **2019**, 206, 289-301	10.3	99
15	Nanocellulose-Mediated Electroconductive Self-Healing Hydrogels with High Strength, Plasticity, Viscoelasticity, Stretchability, and Biocompatibility toward Multifunctional Applications. *ACS Applied Materials & Interfaces*, **2018**, 10, 27987-28002	9.5	296
14	Enhanced Antibacterial Performance and Cytocompatibility of Silver Nanoparticles Stabilized by Cellulose Nanocrystal Grafted with Chito-Oligosaccharides. *Materials*, **2018**, 11,	3.5	11
13	Synthesis of Magnetic Wood with Excellent and Tunable Electromagnetic Wave-Absorbing Properties by a Facile Vacuum/Pressure Impregnation Method. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 1000-1008	8.3	67
12	A comparative study of different nanoclay-reinforced cellulose nanofibril biocomposites with enhanced thermal and mechanical properties. *Composite Interfaces*, **2018**, 25, 301-315	2.3	5
11	Electrospun Cellulose Nanocrystals/Chitosan/Polyvinyl Alcohol Nanofibrous Films and their Exploration to Metal Ions Adsorption. *Polymers*, **2018**, 10,	4.5	20
10	Highly efficient visible-light photocatalyst based on cellulose derived carbon nanofiber/BiOBr composites. *Cellulose*, **2018**, 25, 4133-4144	5.5	44

9	Polyimide/cellulose acetate core/shell electrospun fibrous membranes for oil-water separation. *Separation and Purification Technology*, **2017**, 177, 71-85	8.3	110
8	Effects of nanocellulose on the structure and properties of poly(vinyl alcohol)-borax hybrid foams. *Cellulose*, **2017**, 24, 4433-4448	5.5	101
7	Cellulose nanofibers reinforced sodium alginate-polyvinyl alcohol hydrogels: Core-shell structure formation and property characterization. *Carbohydrate Polymers*, **2016**, 147, 155-164	10.3	90
6	Characterization of cellulose I/II hybrid fibers isolated from energycane bagasse during the delignification process: Morphology, crystallinity and percentage estimation. *Carbohydrate Polymers*, **2015**, 133, 438-47	10.3	95
5	High-water-content mouldable polyvinyl alcohol-borax hydrogels reinforced by well-dispersed cellulose nanoparticles: dynamic rheological properties and hydrogel formation mechanism. *Carbohydrate Polymers*, **2014**, 102, 306-16	10.3	161
4	Facile preparation of mouldable polyvinyl alcohol-borax hydrogels reinforced by well-dispersed cellulose nanoparticles: physical, viscoelastic and mechanical properties. *Cellulose*, **2013**, 20, 2947-2958	5.5	95
3	Self-assembling behavior of cellulose nanoparticles during freeze-drying: effect of suspension concentration, particle size, crystal structure, and surface charge. *Biomacromolecules*, **2013**, 14, 1529-40	6.9	312
2	Comparative properties of cellulose nano-crystals from native and mercerized cotton fibers. *Cellulose*, **2012**, 19, 1173-1187	5.5	147
1	Application of rod-shaped cellulose nanocrystals in polyacrylamide hydrogels. *Journal of Colloid and Interface Science*, **2011**, 353, 116-23	9.3	229