

Shu Hong

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.

72
papers

1,942
citations

27
h-index

41
g-index

73
ext. papers

2,572
ext. citations

7.4
avg, IF

5.9
L-index

#	Paper	IF	Citations
72	Lignin-containing cellulose nanofibers made with microwave-aid green solvent treatment for magnetic fluid stabilization. <i>Carbohydrate Polymers</i> , 2022 , 291, 119573	10.3	0
71	Aqueous Modification of Chitosan with Itaconic Acid to Produce Strong Oxygen Barrier Film. <i>Biomacromolecules</i> , 2021 , 22, 2119-2128	6.9	4
70	Mechanochemical and thermal succinylation of softwood sawdust in presence of deep eutectic solvent to produce lignin-containing wood nanofibers. <i>Cellulose</i> , 2021 , 28, 6881-6898	5.5	3
69	One-step method for the preparation of cationic nanocellulose in reactive eutectic media. <i>Green Chemistry</i> , 2021 , 23, 2317-2323	10	9
68	A Fast Dissolution Pretreatment to Produce Strong Regenerated Cellulose Nanofibers via Mechanical Disintegration. <i>Biomacromolecules</i> , 2021 , 22, 3366-3376	6.9	1
67	Energy consumption, physical properties and reinforcing ability of microfibrillated cellulose with high lignin content made from non-delignified spruce and pine sawdust. <i>Industrial Crops and Products</i> , 2021 , 170, 113738	5.9	0
66	Photocatalytic degradation of surface-coated tourmaline-titanium dioxide for self-cleaning of formaldehyde emitted from furniture. <i>Journal of Hazardous Materials</i> , 2021 , 420, 126565	12.8	5
65	Self-assembly of graphene oxide and cellulose nanocrystals into continuous filament via interfacial nanoparticle complexation. <i>Materials and Design</i> , 2020 , 193, 108791	8.1	10
64	Surface Modification of Cured Inorganic Foams with Cationic Cellulose Nanocrystals and Their Use as Reactive Filter Media for Anionic Dye Removal. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 27743-27757	8.5	15
63	Enhancement of the nanofibrillation of birch cellulose pretreated with natural deep eutectic solvent. <i>Industrial Crops and Products</i> , 2020 , 154, 112677	5.9	15
62	Production of lignin-containing cellulose nanofibers using deep eutectic solvents for UV-absorbing polymer reinforcement. <i>Carbohydrate Polymers</i> , 2020 , 246, 116548	10.3	23
61	Efficient Hydrolysis of Chitin in a Deep Eutectic Solvent Synergism for Production of Chitin Nanocrystals. <i>Nanomaterials</i> , 2020 , 10,	5.4	10
60	Comparison of acidic deep eutectic solvents in production of chitin nanocrystals. <i>Carbohydrate Polymers</i> , 2020 , 236, 116095	10.3	27
59	Application of Furan-Based Dicarboxylic Acids in Bio-Derived Dimethacrylate Resins. <i>ACS Applied Polymer Materials</i> , 2020 , 2, 3215-3225	4.3	4
58	High-strength cellulose nanofibers produced via swelling pretreatment based on a choline chloride-imidazole deep eutectic solvent. <i>Green Chemistry</i> , 2020 , 22, 1763-1775	10	27
57	Conductive hybrid filaments of carbon nanotubes, chitin nanocrystals and cellulose nanofibers formed by interfacial nanoparticle complexation. <i>Materials and Design</i> , 2020 , 191, 108594	8.1	10
56	UZnCl ₂ -DES assisted synthesis of phenolic resin-based carbon aerogels for capacitors. <i>Journal of Porous Materials</i> , 2020 , 27, 789-800	2.4	12

55	Rapid, tunable synthesis of porous carbon xerogels with expanded graphite and their application as anodes for Li-ion batteries. <i>Journal of Colloid and Interface Science</i> , 2020 , 565, 368-377	9.3	8
54	Transparent lignin-containing wood nanofiber films with UV-blocking, oxygen barrier, and anti-microbial properties. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 7935-7946	13	46
53	Production and characterization of lignin containing nanocellulose from luffa through an acidic deep eutectic solvent treatment and systematic fractionation. <i>Industrial Crops and Products</i> , 2020 , 143, 111913	5.9	48
52	Zinc chloride/acetamide deep eutectic solvent-mediated fractionation of lignin produces high- and low-molecular-weight fillers for phenol-formaldehyde resins. <i>Journal of Applied Polymer Science</i> , 2020 , 137, 48385	2.9	10
51	Room-temperature dissolution and chemical modification of cellulose in aqueous tetraethylammonium hydroxide-barbamide solutions. <i>Cellulose</i> , 2020 , 27, 1933-1950	5.5	15
50	A stretchable and compressible ion gel based on a deep eutectic solvent applied as a strain sensor and electrolyte for supercapacitors. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 550-560	7.1	56
49	Utilizing Furfural-Based Bifuran Diester as Monomer and Comonomer for High-Performance Bioplastics: Properties of Poly(butylene furanoate), Poly(butylene bifuranoate), and Their Copolyesters. <i>Biomacromolecules</i> , 2020 , 21, 743-752	6.9	30
48	Deep eutectic solvent promoted tunable synthesis of nitrogen-doped nanoporous carbons from enzymatic hydrolysis lignin for supercapacitors. <i>Materials Research Bulletin</i> , 2020 , 123, 110708	5.1	9
47	Novel Low-Temperature Chemical Vapor Deposition of Hydrothermal Delignified Wood for Hydrophobic Property. <i>Polymers</i> , 2020 , 12,	4.5	6
46	Lignin-rich sulfated wood nanofibers as high-performing adsorbents for the removal of lead and copper from water. <i>Journal of Hazardous Materials</i> , 2020 , 383, 121174	12.8	31
45	Key role of mild sulfonation of pine sawdust in the production of lignin containing microfibrillated cellulose by ultrafine wet grinding. <i>Industrial Crops and Products</i> , 2019 , 140, 111664	5.9	16
44	Carbamation of Starch with Amine Using Dimethyl Carbonate as Coupling Agent. <i>ACS Omega</i> , 2019 , 4, 15702-15710	3.9	4
43	Fabrication of regenerated cellulose nanoparticles by mechanical disintegration of cellulose after dissolution and regeneration from a deep eutectic solvent. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 755-763	13	42
42	Preparation of flame-retardant lignin-containing wood nanofibers using a high-consistency mechano-chemical pretreatment. <i>Chemical Engineering Journal</i> , 2019 , 375, 122050	14.7	32
41	Choline chloride-zinc chloride deep eutectic solvent mediated preparation of partial O-acetylation of chitin nanocrystal in one step reaction. <i>Carbohydrate Polymers</i> , 2019 , 220, 211-218	10.3	24
40	Fast microwave self-activation from chitosan hydrogel bead to hierarchical and O, N co-doped porous carbon at an air-free atmosphere for high-rate electrodes material. <i>Carbohydrate Polymers</i> , 2019 , 219, 229-239	10.3	24
39	Highly Transparent Nanocomposites Based on Poly(vinyl alcohol) and Sulfated UV-Absorbing Wood Nanofibers. <i>Biomacromolecules</i> , 2019 , 20, 2413-2420	6.9	18
38	Hybrid films of cellulose nanofibrils, chitosan and nanosilica-Structural, thermal, optical, and mechanical properties. <i>Carbohydrate Polymers</i> , 2019 , 218, 87-94	10.3	15

37	Fast Microwave Synthesis of Hierarchical Porous Carbons from Waste Palm Boosted by Activated Carbons for Supercapacitors. <i>Nanomaterials</i> , 2019 , 9,	5-4	16
36	Rapid microwave activation of waste palm into hierarchical porous carbons for supercapacitors using biochars from different carbonization temperatures as catalysts.. <i>RSC Advances</i> , 2019 , 9, 19441-19449	3-7	12
35	Highly Stable Dispersion of Carbon Nanotubes in Deep Eutectic Solvent for the Preparation of CNT-Embedded Carbon Xerogels for Supercapacitors. <i>ChemElectroChem</i> , 2019 , 6, 5750-5758	4-3	8
34	Direct sulfation of cellulose fibers using a reactive deep eutectic solvent to produce highly charged cellulose nanofibers. <i>Cellulose</i> , 2019 , 26, 2303-2316	5-5	62
33	Preparation of lignin-based porous carbon with hierarchical oxygen-enriched structure for high-performance supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2019 , 540, 524-534	9-3	41
32	Sustainable co-solvent induced one step extraction of low molecular weight chitin with high purity from raw lobster shell. <i>Carbohydrate Polymers</i> , 2019 , 205, 236-243	10-3	22
31	A fast method to prepare mechanically strong and water resistant lignocellulosic nanopapers. <i>Carbohydrate Polymers</i> , 2019 , 203, 148-156	10-3	26
30	UV-Blocking Synthetic Biopolymer from Biomass-Based Bifuran Diester and Ethylene Glycol. <i>Macromolecules</i> , 2018 , 51, 1822-1829	5-5	35
29	Carboxymethyl Chitosan and Its Hydrophobically Modified Derivative as pH-Switchable Emulsifiers. <i>Langmuir</i> , 2018 , 34, 2800-2806	4	44
28	Deep eutectic solvents-assisted cost-effective synthesis of nitrogen-doped hierarchical porous carbon xerogels from phenol-formaldehyde by two-stage polymerization. <i>Journal of Sol-Gel Science and Technology</i> , 2018 , 86, 795-806	2-3	6
27	Recyclable deep eutectic solvent for the production of cationic nanocelluloses. <i>Carbohydrate Polymers</i> , 2018 , 199, 219-227	10-3	55
26	Stereoselectively water resistant hybrid nanopapers prepared by cellulose nanofibers and water-based polyurethane. <i>Carbohydrate Polymers</i> , 2018 , 199, 286-293	10-3	6
25	Synthesis of phenol formaldehyde (PF) resin for fast manufacturing laminated veneer lumber (LVL). <i>Holzforschung</i> , 2018 , 72, 745-752	2	8
24	Versatile acid base sustainable solvent for fast extraction of various molecular weight chitin from lobster shell. <i>Carbohydrate Polymers</i> , 2018 , 201, 211-217	10-3	54
23	Effect of plasticizers on the mechanical and thermomechanical properties of cellulose-based biocomposite films. <i>Industrial Crops and Products</i> , 2018 , 122, 513-521	5-9	25
22	Cationization of lignocellulosic fibers with betaine in deep eutectic solvent: Facile route to charge stabilized cellulose and wood nanofibers. <i>Carbohydrate Polymers</i> , 2018 , 198, 34-40	10-3	26
21	Emulsion Stabilization with Functionalized Cellulose Nanoparticles Fabricated Using Deep Eutectic Solvents. <i>Molecules</i> , 2018 , 23,	4-8	18
20	Sonication-assisted surface modification method to expedite the water removal from cellulose nanofibers for use in nanopapers and paper making. <i>Carbohydrate Polymers</i> , 2018 , 197, 92-99	10-3	26

19	Preparation and characterization of microencapsulated LDHs with melamine-formaldehyde resin and its flame retardant application in epoxy resin. <i>Polymers for Advanced Technologies</i> , 2018 , 29, 2147-2160	3.2	22
18	Sustainable stabilization of oil in water emulsions by cellulose nanocrystals synthesized from deep eutectic solvents. <i>Cellulose</i> , 2017 , 24, 1679-1689	5.5	50
17	Cellulose Nanofibrils from Nonderivatizing Urea-Based Deep Eutectic Solvent Pretreatments. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 2846-2855	9.5	92
16	Anionic wood nanofibers produced from unbleached mechanical pulp by highly efficient chemical modification. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 21828-21835	13	51
15	Structural Changes of Lignin after Ionic Liquid Pretreatment. <i>BioResources</i> , 2017 , 12,	1.3	8
14	One-pot production of chitin with high purity from lobster shells using choline chloride-malonic acid deep eutectic solvent. <i>Carbohydrate Polymers</i> , 2017 , 177, 217-223	10.3	78
13	Synthesis of Alkaline-Soluble Cellulose Methyl Carbamate Using a Reactive Deep Eutectic Solvent. <i>ChemSusChem</i> , 2017 , 10, 455-460	8.3	37
12	Bisphosphonate nanocellulose in the removal of vanadium(V) from water. <i>Cellulose</i> , 2016 , 23, 689-697	5.5	64
11	Interactions between aminated cellulose nanocrystals and quartz: Adsorption and wettability studies. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016 , 489, 207-215	5.1	19
10	Amino-modified cellulose nanocrystals with adjustable hydrophobicity from combined regioselective oxidation and reductive amination. <i>Carbohydrate Polymers</i> , 2016 , 136, 581-7	10.3	36
9	Anionically Stabilized Cellulose Nanofibrils through Succinylation Pretreatment in Urea-Lithium Chloride Deep Eutectic Solvent. <i>ChemSusChem</i> , 2016 , 9, 3074-3083	8.3	53
8	Zinc-based deep eutectic solvent-mediated hydroxylation and demethoxylation of lignin for the production of wood adhesive. <i>RSC Advances</i> , 2016 , 6, 89599-89608	3.7	40
7	Phosphonated nanocelluloses from sequential oxidative-reductive treatment-Physicochemical characteristics and thermal properties. <i>Carbohydrate Polymers</i> , 2015 , 133, 524-32	10.3	38
6	High-consistency milling of oxidized cellulose for preparing microfibrillated cellulose films. <i>Cellulose</i> , 2015 , 22, 3151-3160	5.5	12
5	Fabrication of cationic cellulosic nanofibrils through aqueous quaternization pretreatment and their use in colloid aggregation. <i>Carbohydrate Polymers</i> , 2014 , 103, 187-92	10.3	62
4	Optimization of dicarboxylic acid cellulose synthesis: reaction stoichiometry and role of hypochlorite scavengers. <i>Carbohydrate Polymers</i> , 2014 , 114, 73-77	10.3	23
3	Cationic wood cellulose films with high strength and bacterial anti-adhesive properties. <i>Cellulose</i> , 2014 , 21, 3573-3583	5.5	20
2	Porous thin film barrier layers from 2,3-dicarboxylic acid cellulose nanofibrils for membrane structures. <i>Carbohydrate Polymers</i> , 2014 , 102, 584-9	10.3	27

- 1 Sulfonated cellulose nanofibrils obtained from wood pulp through regioselective oxidative bisulfite pre-treatment. *Cellulose*, **2013**, 20, 741-749

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