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List of Publications by Citations

35 papers	964 citations	18 h-index	30 g-index
36 ext. papers	1,310 ext. citations	8.2 avg, IF	4.7 L-index

#	Paper	IF	Citations
35	Houttuynia-derived nitrogen-doped hierarchically porous carbon for high-performance supercapacitor. *Carbon*, **2020**, 161, 62-70	10.4	123
34	Robust Guar Gum/Cellulose Nanofibrils Multilayer Films with Good Barrier Properties. *ACS Applied Materials & Interfaces*, **2017**, 9, 5477-5485	9.5	94
33	Cellulose nanocrystal/hexadecyltrimethylammonium bromide/silver nanoparticle composite as a catalyst for reduction of 4-nitrophenol. *Carbohydrate Polymers*, **2017**, 156, 253-258	10.3	84
32	Preparation and characterization of high yield cellulose nanocrystals (CNC) derived from ball mill pretreatment and maleic acid hydrolysis. *Carbohydrate Polymers*, **2020**, 234, 115942	10.3	70
31	TEMPO-oxidized cellulose nanofibers (TOCNs) as a green reinforcement for waterborne polyurethane coating (WPU) on wood. *Carbohydrate Polymers*, **2016**, 151, 326-334	10.3	65
30	Synthesis of nano-fibrillated cellulose/magnetite/titanium dioxide (NFC@Fe3O4@TNP) nanocomposites and their application in the photocatalytic hydrogen generation. *Applied Catalysis B: Environmental*, **2017**, 206, 53-64	21.8	62
29	Oil/water interfaces of guar gum-based biopolymer hydrogels and application to their separation. *Carbohydrate Polymers*, **2017**, 169, 9-15	10.3	50
28	Nanofibrillated Cellulose (NFC) as a Pore Size Mediator in the Preparation of Thermally Resistant Separators for Lithium Ion Batteries. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 4838-4844	8.3	38
27	Preparation of cellulose nano-crystals through a sequential process of cellulase pretreatment and acid hydrolysis. *Cellulose*, **2016**, 23, 2409-2420	5.5	35
26	Cellulose, hemicellulose, lignin, and their derivatives as multi-components of bio-based feedstocks for 3D printing. *Carbohydrate Polymers*, **2020**, 250, 116881	10.3	33
25	Cellulose nanofiber (CNF) as a versatile filler for the preparation of bamboo pulp based tissue paper handsheets. *Cellulose*, **2019**, 26, 2613-2624	5.5	33
24	Silver nanoparticles-containing dual-function hydrogels based on a guar gum-sodium borohydride system. *Scientific Reports*, **2016**, 6, 36497	4.9	32
23	Aqueous Dispersion of Carbon Fibers and Expanded Graphite Stabilized from the Addition of Cellulose Nanocrystals to Produce Highly Conductive Cellulose Composites. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 3291-3298	8.3	25
22	Nano-fibrillated cellulose (NFC) as versatile carriers of TiO2 nanoparticles (TNPs) for photocatalytic hydrogen generation. *RSC Advances*, **2016**, 6, 89457-89466	3.7	23
21	Improving dispersion stability of hydrochloric acid hydrolyzed cellulose nano-crystals. *Carbohydrate Polymers*, **2019**, 222, 115037	10.3	21
20	Chitin nanofibers as versatile bio-templates of zeolitic imidazolate frameworks for N-doped hierarchically porous carbon electrodes for supercapacitor. *Carbohydrate Polymers*, **2021**, 251, 117107	10.3	21
19	Anchoring 20(R)-Ginsenoside Rg3 onto Cellulose Nanocrystals To Increase the Hydroxyl Radical Scavenging Activity. *ACS Sustainable Chemistry and Engineering*, **2017**, 5, 7507-7513	8.3	20

18	Chitosan-based Polymer Matrix for Pharmaceutical Excipients and Drug Delivery. *Current Medicinal Chemistry*, **2019**, 26, 2502-2513	4.3	18
17	Chitin nano-crystals/sodium lignosulfonate/Ag NPs nanocomposites: a potent and green catalyst for efficient removal of organic contaminants. *Cellulose*, **2020**, 27, 5071-5087	5.5	16
16	Cationic cellulose nano-fibers (CCNF) as versatile flocculants of wood pulp for high wet web performance. *Carbohydrate Polymers*, **2020**, 229, 115434	10.3	13
15	Study on the wet-web strength and pressability of paper sheet during the press process with the addition of nano-fibrillated cellulose (NFC). *Carbohydrate Polymers*, **2019**, 210, 332-338	10.3	11
14	Cationic cellulose nanofibers as sustainable flocculant and retention aid for reconstituted tobacco sheet with high performance. *Carbohydrate Polymers*, **2019**, 210, 372-378	10.3	10
13	Improving the flexibility of bamboo mechanical pulp fibers for production of high soft tissue handsheets. *Industrial Crops and Products*, **2020**, 150, 112410	5.9	9
12	A three dimensional interconnected Li7La3Zr2O12 framework composite solid electrolyte utilizing lignosulfonate/ cellulose nanofiber bio-template for high performance lithium ion batteries. *Journal of Power Sources*, **2020**, 477, 228752	8.9	8
11	Synthesis of metal□rganic-frameworks on polydopamine modified cellulose nanofibril hydrogels: constructing versatile vehicles for hydrophobic drug delivery. *Cellulose*,1	5.5	6
10	Ball milling pretreatment facilitating □amylase hydrolysis for production of starch-based bio-latex with high performance. *Carbohydrate Polymers*, **2020**, 242, 116384	10.3	6
9	Facile isolation of colloidal stable chitin nano-crystals from Metapenaeus ensis shell via solid maleic acid hydrolysis and their application for synthesis of silver nanoparticles. *Cellulose*, **2020**, 27, 9853-9875	5.5	6
8	Using cationic nanofibrillated cellulose to increase the precipitated calcium carbonate retention and physical properties during reconstituted tobacco sheet preparation. *Industrial Crops and Products*, **2019**, 130, 592-597	5.9	6
7	A thin and flexible solid electrolyte templated by controllable porous nanocomposites toward extremely high performance all-solid-state lithium-ion batteries. *Chemical Engineering Journal*, **2021**, 425, 130632	14.7	6
6	Anionic trash control in high-yield pulp (HYP) containing furnish by using a poly-DADMAC based commercial formulation. *Journal of Industrial and Engineering Chemistry*, **2014**, 20, 4452-4456	6.3	5
5	Construction of nanocellulose-based composite hydrogel with a double packing structure as an intelligent drug carrier. *Cellulose*, **2021**, 28, 6953-6966	5.5	4
4	Nanolignin filled conductive hydrogel with improved mechanical, anti-freezing, UV-shielding and transparent properties for strain sensing application.. *International Journal of Biological Macromolecules*, **2022**, 205, 442-451	7.9	4
3	Isolation and utilization of tobacco-based cellulose nanofiber (TCNF) for high performance reconstructed tobacco sheet (RTS). *Carbohydrate Polymers*, **2021**, 261, 117865	10.3	3
2	Improving sizing performance of middle layer of liquid packaging board containing high-yield pulp. *Cellulose*, **2020**, 27, 4707-4719	5.5	1
1	Facile preparation of lignosulfonate induced silver nanoparticles for high efficient removal of organic contaminants in wastewater. *Industrial Crops and Products*, **2021**, 169, 113644	5.9	1