

Ning Lin

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.

59
papers

4,730
citations

25
h-index

61
g-index

61
ext. papers

5,351
ext. citations

6.9
avg, IF

6.3
L-index

#	Paper	IF	Citations
59	Nanocellulose in biomedicine: Current status and future prospect. <i>European Polymer Journal</i> , 2014 , 59, 302-325	5.2	1013
58	Preparation, properties and applications of polysaccharide nanocrystals in advanced functional nanomaterials: a review. <i>Nanoscale</i> , 2012 , 4, 3274-94	7.7	667
57	Recent developments on nanocellulose reinforced polymer nanocomposites: A review. <i>Polymer</i> , 2017 , 132, 368-393	3.9	346
56	Surface chemistry, morphological analysis and properties of cellulose nanocrystals with gradiented sulfation degrees. <i>Nanoscale</i> , 2014 , 6, 5384-93	7.7	332
55	Surface acetylation of cellulose nanocrystal and its reinforcing function in poly(lactic acid). <i>Carbohydrate Polymers</i> , 2011 , 83, 1834-1842	10.3	294
54	TEMPO-oxidized nanocellulose participating as crosslinking aid for alginate-based sponges. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 4948-59	9.5	225
53	Advances in cellulose nanomaterials. <i>Cellulose</i> , 2018 , 25, 2151-2189	5.5	221
52	Effects of polymer-grafted natural nanocrystals on the structure and mechanical properties of poly(lactic acid): A case of cellulose whisker-graft-polycaprolactone. <i>Journal of Applied Polymer Science</i> , 2009 , 113, 3417-3425	2.9	181
51	Supramolecular hydrogels from in situ host-guest inclusion between chemically modified cellulose nanocrystals and cyclodextrin. <i>Biomacromolecules</i> , 2013 , 14, 871-80	6.9	173
50	Physical and/or Chemical Compatibilization of Extruded Cellulose Nanocrystal Reinforced Polystyrene Nanocomposites. <i>Macromolecules</i> , 2013 , 46, 5570-5583	5.5	168
49	Effect of polysaccharide nanocrystals on structure, properties, and drug release kinetics of alginate-based microspheres. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011 , 85, 270-9	6	155
48	Biocompatible Double-Membrane Hydrogels from Cationic Cellulose Nanocrystals and Anionic Alginate as Complexing Drugs Codelivery. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 6880-9	9.5	138
47	Poly(butylene succinate)-based biocomposites filled with polysaccharide nanocrystals: Structure and properties. <i>Polymer Composites</i> , 2011 , 32, 472-482	3	77
46	Reinforcement and nucleation of acetylated cellulose nanocrystals in foamed polyester composites. <i>Carbohydrate Polymers</i> , 2015 , 129, 208-15	10.3	69
45	Fluorescent Aerogels Based on Chemical Crosslinking between Nanocellulose and Carbon Dots for Optical Sensor. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 16048-16058	9.5	68
44	Preparation, Modification, and Application of Starch Nanocrystals in Nanomaterials: A Review. <i>Journal of Nanomaterials</i> , 2011 , 2011, 1-13	3.2	68
43	Highly alkynyl-functionalization of cellulose nanocrystals and advanced nanocomposites thereof via click chemistry. <i>Polymer Chemistry</i> , 2015 , 6, 4385-4395	4.9	56

42	High-Adsorption, Self-Extinguishing, Thermal, and Acoustic-Resistance Aerogels Based on Organic and Inorganic Waste Valorization from Cellulose Nanocrystals and Red Mud. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 7168-7180	8.3	50
41	Reducing end modification on cellulose nanocrystals: strategy, characterization, applications and challenges. <i>Nanoscale Horizons</i> , 2020 , 5, 607-627	10.8	41
40	Focus on Gradientwise Control of the Surface Acetylation of Cellulose Nanocrystals to Optimize Mechanical Reinforcement for Hydrophobic Polyester-Based Nanocomposites. <i>ACS Omega</i> , 2017 , 2, 4725-4736	3.9	35
39	Structure and properties of poly(butylene succinate) filled with lignin: A case of lignosulfonate. <i>Journal of Applied Polymer Science</i> , 2011 , 121, 1717-1724	2.9	30
38	Mechanical reinforcement of cellulose nanocrystals on biodegradable microcellular foams with melt-compounding process. <i>Cellulose</i> , 2015 , 22, 2629-2639	5.5	29
37	Double-Network Formation and Mechanical Enhancement of Reducing End-Modified Cellulose Nanocrystals to the Thermoplastic Elastomer Based on Click Reaction and Bulk Cross-Linking. <i>Macromolecules</i> , 2019 , 52, 5894-5906	5.5	29
36	Friction reduction and viscosity modification of cellulose nanocrystals as biolubricant additives in polyalphaolefin oil. <i>Carbohydrate Polymers</i> , 2019 , 220, 228-235	10.3	26
35	Triazole End-Grafting on Cellulose Nanocrystals for Water-Redispersion Improvement and Reactive Enhancement to Nanocomposites. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 14888-14900	8.3	26
34	Dual-enhancement effect of electrostatic adsorption and chemical crosslinking for nanocellulose-based aerogels. <i>Industrial Crops and Products</i> , 2019 , 139, 111580	5.9	25
33	Preparation of fungus-derived chitin nanocrystals and their dispersion stability evaluation in aqueous media. <i>Carbohydrate Polymers</i> , 2017 , 173, 610-618	10.3	21
32	Green bionanocomposites from high-elasticity soft polyurethane and high-crystallinity rigid chitin nanocrystals with controlled surface acetylation. <i>RSC Advances</i> , 2014 , 4, 49098-49107	3.7	18
31	Synthesis, Structure, and Properties of Bacterial Cellulose 2019 , 81-113		16
30	Humidity-Sensitive and Conductive Nanopapers from Plant-Derived Proteins with a Synergistic Effect of Platelet-Like Starch Nanocrystals and Sheet-Like Graphene. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 9431-9440	8.3	15
29	Self-bonding sandwiched membranes from PDMS and cellulose nanocrystals by engineering strategy of layer-by-layer curing. <i>Composites Science and Technology</i> , 2018 , 161, 8-15	8.6	14
28	Electrochemical chiral sensor based on cellulose nanocrystals and multiwall carbon nanotubes for discrimination of tryptophan enantiomers. <i>Cellulose</i> , 2018 , 25, 3861-3871	5.5	14
27	Simultaneous enhancement of elasticity and strength of AlO ₃ -based ceramics body from cellulose nanocrystals via gel-casting process. <i>Carbohydrate Polymers</i> , 2018 , 181, 111-118	10.3	13
26	Physical Modification of Cellulose Nanocrystals with a Synthesized Triblock Copolymer and Rheological Thickening in Silicone Oil/Grease. <i>Biomacromolecules</i> , 2019 , 20, 4457-4465	6.9	13
25	Reinforcing Mechanism of Cellulose Nanocrystals in Nanocomposites 2019 , 201-249		10

24	Sustainable supercapacitors of nitrogen-doping porous carbon based on cellulose nanocrystals and urea. <i>International Journal of Biological Macromolecules</i> , 2020 , 164, 4095-4103	7.9	9
23	Surface Chemistry of Nanocellulose 2019 , 115-153		7
22	Preparation and surface modification of crab nanochitin for organogels based on thiol-ene click cross-linking. <i>International Journal of Biological Macromolecules</i> , 2020 , 150, 756-764	7.9	6
21	Strategies to Explore Biomedical Application of Nanocellulose 2019 , 349-395		4
20	Nanocellulose in High-Value Applications for Reported Trial and Commercial Products. <i>Springer Series in Biomaterials Science and Engineering</i> , 2019 , 389-409	0.6	4
19	Introduction to Nanocellulose 2019 , 1-20		3
18	Role of Cellulose Nanofibrils in Polymer Nanocomposites 2019 , 251-276		3
17	Current Status of Nanocellulose-Based Nanocomposites 2019 , 155-200		3
16	Quantitative Analysis of Compatibility and Dispersibility in Nanocellulose-Reinforced Composites: Hansen Solubility and Raman Mapping. <i>ACS Nano</i> , 2021 ,	16.7	3
15	Regulating surface sulfonation on cellulose nanocrystals and self-assembly behaviors. <i>Chemical Communications</i> , 2020 , 56, 10958-10961	5.8	3
14	Structure and Properties of Cellulose Nanofibrils 2019 , 53-80		2
13	Water redispersion and cytotoxicity of reducing end-modified cellulose nanocrystals by grafting long-chain poly(ethylene oxide). <i>International Journal of Biological Macromolecules</i> , 2021 , 180, 143-151	7.9	2
12	Nitrogen-doped hierarchical porous carbon nanomaterial from cellulose nanocrystals for voltammetric determination of ascorbic acid. <i>Microchemical Journal</i> , 2021 , 168, 106494	4.8	2
11	Application of Nanocellulose in Energy Materials and Devices 2019 , 397-421		1
10	Chemical grafting fluoropolymer on cellulose nanocrystals and its rheological modification to perfluoropolyether oil. <i>Carbohydrate Polymers</i> , 2022 , 276, 118802	10.3	1
9	Hydrophobic and thermal-insulating aerogels based on rigid cellulose nanocrystal and elastic rubber. <i>Carbohydrate Polymers</i> , 2022 , 275, 118708	10.3	1
8	Structure and Properties of Cellulose Nanocrystals 2019 , 21-52		0
7	Electrostatic Adsorption and Cytotoxicity of Cellulose Nanocrystals with Loading Trace Metal Elements. <i>Macromolecular Bioscience</i> , 2021 , e2100318	5.5	0

6	Surface-charged starch nanocrystals from glutinous rice: Preparation, crystalline properties and cytotoxicity. <i>International Journal of Biological Macromolecules</i> , 2021 , 192, 557-563	7.9	o
5	Nanopolysaccharides in Environmental Treatments. <i>Springer Series in Biomaterials Science and Engineering</i> , 2019 , 255-282	0.6	o
4	Tribological behavior of cellulose nanocrystal as an eco-friendly additive in lithium-based greases.. <i>Carbohydrate Polymers</i> , 2022 , 290, 119478	10.3	o
3	Advanced Materials Based on Self-assembly of Cellulose Nanocrystals 2019 , 277-313		
2	Potential Application Based on Colloidal Properties of Cellulose Nanocrystals 2019 , 315-347		
1	Exploration of Other High-Value Applications of Nanocellulose 2019 , 423-473		