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**Production and modification of nanofibrillated cellulose using various mechanical processes: a review**

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714	A comparative study of mechanical, thermal and electrical properties of graphene-, graphene oxide- and reduced graphene oxide-doped microfibrillated cellulose nanocomposites. <b>2018</b> , 147, 104-113	87
713	Cellulose nanofibers produced from various agricultural residues and their reinforcement effects in polymer nanocomposites. <b>2018</b> , 135, 46304	20
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546	Isolation and characterization of cellulose fibers from <i>Thespesia populnea</i> barks: A study on physicochemical and structural properties. <b>2019</b> , 129, 396-406	57
545	Composites of waterborne polyurethane and cellulose nanofibers for 3D printing and bioapplications. <i>Carbohydrate Polymers</i> , <b>2019</b> , 212, 75-88	10.3 66
544	Influence of mechanical pretreatment to isolate cellulose nanocrystals by sulfuric acid hydrolysis. <b>2019</b> , 130, 622-626	24
543	Surface Properties of Non-conventional Cellulose Fibres. <b>2019</b> ,	3
542	Cellulose Nanofibres. <b>2019</b> , 61-71	4
541	Carboxymethylated cellulose nanofibrils in papermaking: influence on filler retention and paper properties. <b>2019</b> , 26, 3489-3502	16
540	Chitosan and polyvinyl alcohol nanocomposites with cellulose nanofibers from ginger rhizomes and its antimicrobial activities. <b>2019</b> , 129, 370-376	26
539	From Biomass to Nanomaterials: A Green Procedure for Preparation of Holistic Bamboo Multifunctional Nanocomposites Based On Formic Acid Rapid Fractionation. <b>2019</b> , 7, 6592-6600	20
538	Lignin-Containing Cellulose Nanomaterials: A Promising New Nanomaterial for Numerous Applications. <b>2019</b> , 4, 3-10	102
537	Effect of Nanofibrillated Cellulose Doping on Properties of Oil Immersed Insulating Paper during Thermal Aging. <b>2019</b> ,	0
536	Fabrication and characterization of thick films made of chitosan and nanofibrillar cellulose derived from pineapple leaf. <b>2019</b> , 496, 012021	0
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529	Recent advances in nanoengineering cellulose for cargo delivery. <b>2019</b> , 294, 53-76		59
528	Preparation and properties of microfibrillated cellulose with different carboxyethyl content. <i>Carbohydrate Polymers</i> , <b>2019</b> , 206, 616-624	10.3	8
527	Enhancement of basic properties of polysaccharide-based composites with organic and inorganic fillers: A review. <b>2019</b> , 136, 47251		37
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525	A study on adsorption isotherm and kinetics of petroleum by cellulose cryogels. <b>2019</b> , 26, 1231-1246		14
524	Ageing of aqueous TEMPO-oxidized nanofibrillated cellulose dispersions: a rheological study. <b>2019</b> , 26, 917-931		12
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506	Isolation and characterization of cellulose nanofibers from aspen wood using derivatizing and non-derivatizing pretreatments. <b>2020</b> , 27, 185-203		27
505	Incorporation of ligno-cellulose nanofibrils and bark extractives in water-based coatings for improved wood protection. <b>2020</b> , 138, 105210		9
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420	Waterborne fluorescent dual anti-counterfeiting ink based on Yb/Er-carbon quantum dots grafted with dialdehyde nano-fibrillated cellulose. <i>Carbohydrate Polymers</i> , <b>2020</b> , 247, 116721	10.3 16
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400	Preparation of Nanocellulose Using Ionic Liquids: 1-Propyl-3-Methylimidazolium Chloride and 1-Ethyl-3-Methylimidazolium Chloride. <b>2020, 25,</b>	13
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391	Evaluation of mercerization treatment conditions on extracted cellulose from shea nut shell using FTIR and thermogravimetric analysis. <b>2021, 38, 958-963</b>	6
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383	Additive manufacturing of nanocellulose based scaffolds for tissue engineering: Beyond a reinforcement filler. <i>Carbohydrate Polymers</i> , <b>2021</b> , 252, 117159	10.3	13
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378	Plant-based nanocellulose: A review of routine and recent preparation methods with current progress in its applications as rheology modifier and 3D bioprinting. <b>2021</b> , 166, 1586-1616		24
377	Nanocomposites based on the cellulose extracted from the Amazon <i>Peperomia pellucida</i> and polyaniline derivatives: structural and thermal properties. <b>2021</b> , 75, 1809-1821		1
376	Improving the performance of edible food packaging films by using nanocellulose as an additive. <b>2021</b> , 166, 288-296		45
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368	A novel graphene-based micro/nano architecture with high strength and conductivity inspired by multiple creatures. <b>2021</b> , 11, 1387	4
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356	Cellulose-based biocomposites. <b>2021</b> , 135-195	1
355	Tailoring nanofibrillated cellulose through sonication and its potential use in molded pulp packaging. <b>2021</b> , 7, 109-122	0
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342	Sustainable Packaging from Waste Material: A Review on Innovative Solutions for Cleaner Environment. <b>2021</b> , 259-270		0
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328	Production of Nanocellulose by Enzymatic Treatment for Application in Polymer Composites. <b>2021</b> , 14,	11
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178	Production of microfibrillated cellulose fibers and their application in polymeric composites. <b>2022</b> , 197-229	
177	Direct Synthesis of Photosensitizable Bacterial Cellulose as Engineered Living Material for Skin Wound Repair.. <b>2022</b> , e2109010	3
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