

Packaging and degradability properties of polyvinyl alcohol filled water hyacinth cellulose nanocrystals

Journal of Bioresources and Bioproducts

6, 168-185

DOI: [10.1016/j.jobab.2021.02.009](https://doi.org/10.1016/j.jobab.2021.02.009)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Effect of Plasticizer Content on the Structure and Properties of SPI/MA-g-PBAT Blend Films. <i>Journal of Polymers and the Environment</i> , 2022, 30, 562-568.	2.4	5
2	Preparation and properties of poly (vinyl alcohol)/sodium caseinate blend films crosslinked with glutaraldehyde and glyoxal. <i>Journal of Polymer Engineering</i> , 2021, 41, 808-817.	0.6	2
3	The Use of Nanocellulose in Edible Coatings for the Preservation of Perishable Fruits and Vegetables. <i>Coatings</i> , 2021, 11, 990.	1.2	25
4	Preparation and properties of <sc>PBAT</sc>/<sc>PLA</sc> composites modified by <sc>PVA</sc> and cellulose nanocrystals. <i>Journal of Applied Polymer Science</i> , 2022, 139, 51474.	1.3	9
5	Green and sustainable cellulose-derived humidity sensors: A review. <i>Carbohydrate Polymers</i> , 2021, 270, 118385.	5.1	66
6	Optimization of Processâ€Control Parameters for the Diameter of Electrospun Hydrophilic Polymeric Composite Nanofibers. <i>Macromolecular Materials and Engineering</i> , 2021, 306, 2100471.	1.7	4
7	Cellulose nanocrystals as sustainable material for enhanced painting efficiency of watercolor paint. <i>Surfaces and Interfaces</i> , 2021, 27, 101570.	1.5	6
8	Fabrication and the barrier characterization of the cellulose nanofibers/organic montmorillonite/poly lactic acid nanocomposites. <i>Journal of Applied Polymer Science</i> , 2022, 139, 51827.	1.3	4
9	Recent applications of regenerated cellulose films and hydrogels in food packaging. <i>Current Opinion in Food Science</i> , 2022, 43, 7-17.	4.1	54
10	Healable, Adhesive, and Conductive Nanocomposite Hydrogels with Ultrastretchability for Flexible Sensors. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 58048-58058.	4.0	40
11	Construction of mechanically robust and recyclable photocatalytic hydrogel based on nanocellulose-supported CdS/MoS ₂ /Montmorillonite hybrid for antibiotic degradation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 636, 128035.	2.3	22
12	Strong water-resistant, UV-blocking cellulose/glucomannan/lignin composite films inspired by natural LCC bonds. <i>Carbohydrate Polymers</i> , 2022, 281, 119083.	5.1	36
13	Large-Scale Manufacture of Recyclable Bioplastics from Renewable Cellulosic Biomass Derived from Softwood Kraft Pulp. <i>ACS Applied Polymer Materials</i> , 2022, 4, 1334-1343.	2.0	8
14	Facile preparation of transparent poly (Î³â€glutamic acid) modified poly (vinyl alcohol) hydrogels with high tensile strength and toughness. <i>Journal of Applied Polymer Science</i> , 2022, 139, .	1.3	7
15	Plant extract-based green fabrication of nickel ferrite (NiFe ₂ O ₄) nanoparticles: An operative platform for non-enzymatic determination of pentachlorophenol. <i>Chemosphere</i> , 2022, 294, 133760.	4.2	35
16	Facile preparation of self-assembled high-performance cellulose based composite. <i>Composites Science and Technology</i> , 2022, 221, 109311.	3.8	2
17	A New Wood Adhesive Based on Recycling Camellia oleifera Cake-Protein: Preparation and Properties. <i>Materials</i> , 2022, 15, 1659.	1.3	4
18	Development of Starch-Based Bioplastic from Jackfruit Seed. <i>Advances in Polymer Technology</i> , 2022, 2022, 1-9.	0.8	11

#	ARTICLE	IF	CITATIONS
19	Fabrication and characterization of ZnO nanofilms using extracted pectin of <i>Premna microphylla</i> Turcz leaves and carboxymethyl cellulose. <i>International Journal of Biological Macromolecules</i> , 2022, 209, 525-532.	3.6	10
20	Superhydrophobic polyurethane sponge based on sepiolite for efficient oil/water separation. <i>Journal of Hazardous Materials</i> , 2022, 434, 128833.	6.5	63
21	Cellulose nanofibrils (CNFs) in uniform diameter: Capturing the impact of carboxyl group on dispersion and Re-dispersion of CNFs suspensions. <i>International Journal of Biological Macromolecules</i> , 2022, 207, 23-30.	3.6	17
22	Liquid Transport and Real-Time Dye Purification via Lotus Petiole-Inspired Long-Range-Ordered Anisotropic Cellulose Nanofibril Aerogels. <i>ACS Nano</i> , 2021, 15, 20666-20677.	7.3	75
23	Preparation and benchmarking of novel cellulose nanopaper. <i>Cellulose</i> , 2022, 29, 4393-4411.	2.4	13
24	Morphology engineering processed nanofibrous membranes with secondary structure for high-performance air filtration. <i>Separation and Purification Technology</i> , 2022, 294, 121093.	3.9	80
25	Nanoparticle-reinforced polyacrylamide hydrogel composites for clinical applications: a review. <i>Journal of Materials Science</i> , 2022, 57, 8041-8063.	1.7	15
26	Preparation of Novel Biodegradable Cellulose Nanocrystal Proton Exchange Membranes for Direct Methanol Fuel-Cell Applications. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 5559-5568.	3.2	7
27	Morphology Engineering Processed Nanofibrous Membranes with Secondary Structure for High-Performance Air Filtration. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
28	Nanocomposites based on the graphene family for food packaging: historical perspective, preparation methods, and properties. <i>RSC Advances</i> , 2022, 12, 14084-14111.	1.7	16
29	The properties of starch/cellulose/polyvinyl alcohol composite as hydrodegradable film. <i>Polymers and Polymer Composites</i> , 2022, 30, 096739112211003.	1.0	0
30	Fabrication of PVA/GO Nanofiber Films by Electrospinning: Application for the Adsorption of Cu ²⁺ and Organic Dyes. <i>Journal of Polymers and the Environment</i> , 2022, 30, 2964-2975.	2.4	13
31	Effects of Additional Polyvinyl Alcohol (PVA) on the Physicochemical Properties of Chitosan-Glutaraldehyde-Gelatine Bioplastic. <i>Jurnal Kimia Sains Dan Aplikasi</i> , 2022, 25, 130-136.	0.1	0
32	Effect of transglutaminase crosslinking on the structural, physicochemical, functional, and emulsion stabilization properties of three types of gelatins. <i>LWT - Food Science and Technology</i> , 2022, 163, 113543.	2.5	16
33	Self-assembled hydrolyzed gelatin nanoparticles from silver carp spine bones for Pickering emulsion stabilization. <i>Food Bioscience</i> , 2022, 48, 101735.	2.0	4
34	Self-healable hydrophobic films fabricated by incorporating natural wax into cellulose matrix. <i>Chemical Engineering Journal</i> , 2022, 446, 136791.	6.6	20
35	Transparent and mechanically robust Polyvinyl-alcohol nanocomposites based on multiple cross-linked networks for paper-reinforcement Technology. <i>Chemical Engineering Journal</i> , 2022, 446, 136896.	6.6	2
36	Biofunctionalized Nanomaterials: Alternative for Encapsulation Process Enhancement. <i>Polysaccharides</i> , 2022, 3, 411-425.	2.1	2

#	ARTICLE	IF	CITATIONS
37	Molded fiber and pulp products as green and sustainable alternatives to plastics: A mini review. <i>Journal of Bioresources and Bioproducts</i> , 2022, 7, 14-25.	11.8	45
38	Selective oxidation of amaranth dye in soft drinks through tin oxide decorated reduced graphene oxide nanocomposite based electrochemical sensor. <i>Food and Chemical Toxicology</i> , 2022, 165, 113177.	1.8	31
39	Rational design of electrospun nanofibers for gas purification: Principles, opportunities, and challenges. <i>Chemical Engineering Journal</i> , 2022, 446, 137099.	6.6	27
40	Application of electrospun polyimide-based porous nano-fibers separators in ionic liquid electrolyte for electrical double-layer capacitors. <i>Polymer</i> , 2022, 253, 124945.	1.8	3
41	Nanomaterial based PVA nanocomposite hydrogels for biomedical sensing: Advances toward designing the ideal flexible/wearable nanoprobes. <i>Advances in Colloid and Interface Science</i> , 2022, 305, 102705.	7.0	51
42	Optimization of the Rheological Properties of Self-Assembled Tripeptide/Alginate/Cellulose Hydrogels for 3D Printing. <i>Polymers</i> , 2022, 14, 2229.	2.0	19
43	Evaluation of the Antimicrobial, Thermal, Mechanical, and Barrier Properties of Corn Starch-Chitosan Biodegradable Films Reinforced with Cellulose Nanocrystals. <i>Polymers</i> , 2022, 14, 2166.	2.0	12
44	High Strength and Stable Proton Exchange Membrane Based on Perfluorosulfonic Acid/Polybenzimidazole. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2022, 40, 764-771.	2.0	13
45	Construction of high-performance polymer hydrogel composite materials for artificial bionic organs. <i>Journal of Experimental Nanoscience</i> , 2022, 17, 339-350.	1.3	3
46	Hydrogen production via sodium borohydride hydrolysis catalyzed by cobalt ferrite anchored nitrogen-and sulfur co-doped graphene hybrid nanocatalyst: Artificial neural network modeling approach. <i>Chemical Engineering Research and Design</i> , 2022, 183, 557-566.	2.7	53
47	Artificial neural networks modeling ethanol oxidation reaction kinetics catalyzed by polyaniline-manganese ferrite supported platinum-ruthenium nanohybrid electrocatalyst. <i>Chemical Engineering Research and Design</i> , 2022, 184, 72-78.	2.7	14
48	Electrochemical monitoring of bisphenol-s through nanostructured tin oxide/Nafion/GCE: A solution to environmental pollution. <i>Chemosphere</i> , 2022, 303, 135170.	4.2	8
49	Thermal and flame-retardant properties of multilayered composites prepared through novel multilayering approach. <i>Environmental Research</i> , 2022, 213, 113724.	3.7	4
50	Preparation of Poly(vinyl Alcohol) Microparticles for Freeze Protection of Sensitive Fruit Crops. <i>Polymers</i> , 2022, 14, 2452.	2.0	4
51	Polypyrrole nanorods coated on cellulose nanofibers by pickering emulsion as conductive medium for multimodal gel-based sensor. <i>Cellulose</i> , 2022, 29, 6719-6732.	2.4	2
52	Effects of antioxidant types on the stabilization and in vitro digestion behaviors of silver carp scale gelatin-stabilized fish oil-loaded emulsions. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, 217, 112624.	2.5	5
53	Facile Synthesis of NiO/ZnO nanocomposite as an effective platform for electrochemical determination of carbamazepine. <i>Chemosphere</i> , 2022, 303, 135270.	4.2	8
54	Direct utilization of radioactive irradiated graphite as a high-energy supercapacitor a promising electrode material. <i>Fuel</i> , 2022, 325, 124843.	3.4	14

#	ARTICLE	IF	CITATIONS
55	Sustainable and Eco-Friendly Packaging Films Based on Poly (Vinyl Alcohol) and Glass Flakes. <i>Membranes</i> , 2022, 12, 701.	1.4	11
56	Surface amplification of graphite screen printed electrode using reduced graphene oxide/polypyrrole nanotubes nanocomposite; a powerful electrochemical strategy for determination of sulfite in food samples. <i>Food and Chemical Toxicology</i> , 2022, 167, 113274.	1.8	7
57	Silica-coated modified magnetic nanoparticles (Fe ₃ O ₄ @SiO ₂ @(BuSO ₃ H) ₃) as an efficient adsorbent for Pd ²⁺ removal. <i>Chemosphere</i> , 2022, 307, 135622.	4.2	17
58	Recent advances in poly (vinyl alcohol)/natural polymer based films for food packaging applications: A review. <i>Food Packaging and Shelf Life</i> , 2022, 33, 100904.	3.3	53
59	2D lamellar membrane with nanochannels synthesized by bottom-up assembly approach for the superior photocatalytic hydrogen evolution. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 168, 112767.	8.2	7
60	Preparation of novel composite aerogel with conductive and antibacterial via constructing three-dimensional crosslinked structure. <i>Reactive and Functional Polymers</i> , 2022, 178, 105361.	2.0	2
61	Flexible environment-tolerant electroluminescent devices based on nanocellulose-mediated transparent electrodes. <i>Carbohydrate Polymers</i> , 2022, 296, 119891.	5.1	18
62	Engineering of GO/MWCNT/RuO ₂ ternary aerogel for high-performance supercapacitor. <i>Fuel</i> , 2022, 329, 125398.	3.4	24
63	The Properties, Modification, and Application of Banana Starch. <i>Polymers</i> , 2022, 14, 3092.	2.0	17
64	A Comprehensive Characterization of Biodegradable Edible Films Based on Potato Peel Starch Plasticized with Glycerol. <i>Polymers</i> , 2022, 14, 3462.	2.0	14
65	Sponge-Like Microfiber Electrodes for High-Performance Redox Flow Batteries. <i>Small Methods</i> , 2022, 6, .	4.6	5
66	Utilization of By-Products from Livestock: Study on the Mechanical and Thermal Properties of Biodegradable Containers Made with Pork Skin Gelatin Polymer. <i>Foods</i> , 2022, 11, 2513.	1.9	3
67	Pump-inject antimicrobial and biodegradable aerogel as mask intermediate filter layer for medical protection of air filtration. <i>Materials Today Sustainability</i> , 2022, 19, 100211.	1.9	1
68	Transformation of <i>Buxus sinica</i> into high-quality biocomposites via an innovative and environmentally-friendly physical approach. <i>Applied Surface Science</i> , 2022, 606, 154595.	3.1	7
69	Chitin Nanocomposite Based on Plasticized Poly(lactic acid)/Poly(3-hydroxybutyrate) (PLA/PHB) Blends as Fully Biodegradable Packaging Materials. <i>Polymers</i> , 2022, 14, 3177.	2.0	13
70	Recycling of Bast textile wastes into high value-added products: a review. <i>Environmental Chemistry Letters</i> , 2022, 20, 3747-3763.	8.3	20
71	Radiation modification and characterization of polyvinyl alcohol/starch/citric acid/glycerol bioblend film. <i>Polymers From Renewable Resources</i> , 0, , 204124792211222.	0.8	2
72	Insight into crosslinked chitosan/soy protein isolate /PVA plastics by revealing its structure, physicochemical properties, and biodegradability. <i>Industrial Crops and Products</i> , 2022, 187, 115548.	2.5	14

#	ARTICLE	IF	CITATIONS
73	Effect of extraction methods on the properties of tilapia scale gelatins. <i>International Journal of Biological Macromolecules</i> , 2022, 221, 1150-1160.	3.6	8
74	Removal of lead from aqueous solution using electrospun nanofibers: preparation, characterization, adsorption isotherm, and kinetic study. <i>Analytical Methods</i> , 2022, 14, 3382-3396.	1.3	5
75	Development of Pectin and Poly(vinyl alcohol)-Based Active Packaging Enriched with Itaconic Acid and Apple Pomace-Derived Antioxidants. <i>Antioxidants</i> , 2022, 11, 1729.	2.2	21
76	Phenolic Extraction of <i>Moringa oleifera</i> Leaves in DES: Characterization of the Extracts and Their Application in Methylcellulose Films for Food Packaging. <i>Foods</i> , 2022, 11, 2641.	1.9	6
77	Bio-Nanocomposite Based on Edible Gelatin Film as Active Packaging from <i>Clarias gariepinus</i> Fish Skin with the Addition of Cellulose Nanocrystalline and Nanopropolis. <i>Polymers</i> , 2022, 14, 3738.	2.0	9
78	Valorization of Oil Palm Empty Fruit Bunch for Cellulose Fibers: A Reinforcement Material in Polyvinyl Alcohol Biocomposites for Its Application as Detergent Capsules. <i>Sustainability</i> , 2022, 14, 11446.	1.6	5
79	Molecular Dynamics Simulations on the Elastic Properties of Polypropylene Bionanocomposite Reinforced with Cellulose Nanofibrils. <i>Nanomaterials</i> , 2022, 12, 3379.	1.9	2
80	Stimuli-Responsive nanocellulose Hydrogels: An overview. <i>European Polymer Journal</i> , 2022, 180, 111591.	2.6	19
81	Development and Characterization of Biodegradable Polymers for Fish Packaging Applications. <i>Journal of Packaging Technology and Research</i> , 2022, 6, 149-166.	0.6	1
82	Polyurethane-based separation membranes: A review on fabrication techniques, applications, and future perspectives. <i>Journal of Industrial and Engineering Chemistry</i> , 2022, 116, 99-119.	2.9	10
83	Gallic Acid Crosslinked Gelatin and Casein Based Composite Films for Food Packaging Applications. <i>Polymers</i> , 2022, 14, 4065.	2.0	12
84	A Review on Natural Fiber Reinforced Polymer Composites (NFRPC) for Sustainable Industrial Applications. <i>Polymers</i> , 2022, 14, 3698.	2.0	71
86	The Green Era of Food Packaging: General Considerations and New Trends. <i>Polymers</i> , 2022, 14, 4257.	2.0	12
87	Production of Cellulose Nanocrystals Suspension with High Yields from Water Hyacinth. <i>Journal of Natural Fibers</i> , 2023, 20, .	1.7	2
88	Fabrication of biodegradable blend plastic from konjac glucomannan/zein/ PVA and understanding its multi-scale structure and physicochemical properties. <i>International Journal of Biological Macromolecules</i> , 2023, 225, 172-184.	3.6	6
89	Different Preparation Method of Nanocellulose from <i>MacarangaÂgigantea</i> and Its Preliminary Study on Packaging Film Potential. <i>Polymers</i> , 2022, 14, 4591.	2.0	3
90	Simultaneous strengthening and toughening lignin/cellulose nanofibril composite films: Effects from flexible hydrogen bonds. <i>Chemical Engineering Journal</i> , 2023, 453, 139770.	6.6	31
91	Nanocellulose Based Green Nanocomposites: Characteristics and Application in Primary Food Packaging. <i>Food Reviews International</i> , 2023, 39, 7148-7179.	4.3	2

#	ARTICLE	IF	CITATIONS
92	Interface design of stretchable and environment-tolerant strain sensors with hierarchical nanocellulose-supported graphene nanocomplexes. <i>Composites Part A: Applied Science and Manufacturing</i> , 2023, 164, 107313.	3.8	30
93	Water-Soluble Poly(vinyl alcohol)/Biomass Waste Composites: A New Route toward Ecofriendly Materials. <i>ACS Omega</i> , 2022, 7, 42515-42523.	1.6	5
94	Recent advances in polyvinyl alcohol-based composite films and their applications in food packaging. <i>Food Packaging and Shelf Life</i> , 2022, 34, 100991.	3.3	27
95	CdSe QDs modified cellulose microfibrils for enhanced humidity sensing properties. <i>Applied Surface Science</i> , 2023, 612, 155894.	3.1	3
96	Biopolymer-Based Blend Nanocomposites. , 2022, , 1-28.		0
97	Biopolymer-Based Films Reinforced with Green Synthesized Zinc Oxide Nanoparticles. <i>Polymers</i> , 2022, 14, 5202.	2.0	15
98	Preparation and properties of silanation-modified nanocellulose-reinforced polyvinyl alcohol nanocomposites. <i>Journal of the Textile Institute</i> , 0, , 1-6.	1.0	1
99	Active Agents Incorporated in Polymeric Substrates to Enhance Antibacterial and Antioxidant Properties in Food Packaging Applications. <i>Macromol</i> , 2023, 3, 1-27.	2.4	9
100	Antimicrobial Bilayer Film Based on Chitosan/Electrospun Zein Fiber Loaded with Jaboticaba Peel Extract for Food Packaging Applications. <i>Polymers</i> , 2022, 14, 5457.	2.0	3
101	High-performance and environmentally friendly acrylonitrile butadiene styrene/wood composite for versatile applications in furniture and construction. <i>Advanced Composites and Hybrid Materials</i> , 2023, 6, .	9.9	18
102	Recent Developments in Water Hyacinth Fiber Composites and Their Applications. <i>Composites Science and Technology</i> , 2023, , 229-243.	0.4	2
103	Polysaccharides for Biodegradable Packaging Materials: Past, Present, and Future (Brief Review). <i>Polymers</i> , 2023, 15, 451.	2.0	9
104	Guargum/nanocellulose based novel crosslinked antimicrobial film with enhanced barrier and mechanical properties for food packaging. <i>Journal of Environmental Chemical Engineering</i> , 2023, 11, 109254.	3.3	3
106	Extraction and characterization of novel biomass-based cellulosic plant fiber from <i>Ficus benjamina</i> L. stem for a potential polymeric composite reinforcement. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 14225-14239.	2.9	11
107	Endo-Exoglucanase Synergism for Cellulose Nanofibril Production Assessment and Characterization. <i>Molecules</i> , 2023, 28, 948.	1.7	0
108	Highly stretchable, adhesive, and biocompatible hydrogel platforms of tannic acid functionalized spherical nanocellulose for strain sensors. <i>International Journal of Biological Macromolecules</i> , 2023, 229, 105-122.	3.6	7
109	Lightweight, bacteriostatic and thermally conductive wood plastic composite prepared by chitosan modified biointerfaces. <i>Applied Surface Science</i> , 2023, 615, 156313.	3.1	13
110	Development and Characterization of Sustainable Antimicrobial Films Incorporated with Natamycin and Cellulose Nanocrystals for Cheese Preservation. <i>Polysaccharides</i> , 2023, 4, 53-64.	2.1	2

#	ARTICLE	IF	CITATIONS
111	Tuning of the properties of polyvinyl alcohol/ polyacrylamide film by phytic acid and gamma radiation crosslinking for food packaging applications. <i>Polymer-Plastics Technology and Materials</i> , 2023, 62, 866-876.	0.6	1
112	Graphene-Based Coating to Mitigate Biofilm Development in Marine Environments. <i>Nanomaterials</i> , 2023, 13, 381.	1.9	5
113	Renovation of Agro-Waste for Sustainable Food Packaging: A Review. <i>Polymers</i> , 2023, 15, 648.	2.0	21
114	Potential of Coccolithophore Microalgae as Fillers in Starch-Based Films for Active and Sustainable Food Packaging. <i>Foods</i> , 2023, 12, 513.	1.9	0
115	Biodegradation of low-density polyethylene film/plasticized cassava starch blends with central composite design for optimal environmental pollution control. <i>Journal of Hazardous Materials Advances</i> , 2023, 9, 100251.	1.2	3
116	A Review of Current Trends on Polyvinyl Alcohol (PVA)-Based Solid Polymer Electrolytes. <i>Molecules</i> , 2023, 28, 1781.	1.7	10
117	An integrated biorefinery approach for the valorization of water hyacinth towards circular bioeconomy: a review. <i>Environmental Science and Pollution Research</i> , 2023, 30, 39494-39536.	2.7	4
118	Processing, Properties, Modifications, and Environmental Impact of Nanocellulose/Biopolymer Composites: A Review. <i>Polymers</i> , 2023, 15, 1219.	2.0	4
119	Synthesis of methylcellulose-polyvinyl alcohol composite, biopolymer film and thermostable enzymes from sugarcane bagasse. <i>International Journal of Biological Macromolecules</i> , 2023, 235, 123903.	3.6	4
120	High Value Utilization of Waste Wood toward Porous and Lightweight Carbon Monolith with EMI Shielding, Heat Insulation and Mechanical Properties. <i>Molecules</i> , 2023, 28, 2482.	1.7	2
121	Extraction of crystalline nanocellulose (CNC) from date palm mat fibers and its application in the production of nanocomposites with polyvinyl alcohol and polyvinylpyrrolidone blended films. <i>Results in Engineering</i> , 2023, 17, 101031.	2.2	5
122	Biodegradable Nanofibrillated Cellulose/Poly-(butylene adipate-co-terephthalate) Composite Film with Enhanced Barrier Properties for Food Packaging. <i>Molecules</i> , 2023, 28, 2689.	1.7	1
123	Morphological, Spectroscopic and Thermal Analysis of Cellulose Nanocrystals Extracted from Waste Jute Fiber by Acid Hydrolysis. <i>Polymers</i> , 2023, 15, 1530.	2.0	7
124	Designing Antioxidant and Antimicrobial Polyethylene Films with Bioactive Compounds/Clay Nanohybrids for Potential Packaging Applications. <i>Molecules</i> , 2023, 28, 2945.	1.7	2
125	Effect of different proportions of CNTs/Fe ₃ O ₄ hybrid filler on the morphological, electrical and electromagnetic interference shielding properties of poly(lactic acid) nanocomposites. <i>E-Polymers</i> , 2023, 23, .	1.3	7
126	N-succinyl chitosan-cellulose acetate-based bionanocomposite films: Preparation and characterization. <i>Journal of Materials Research</i> , 0, , .	1.2	0
127	Spectral Imaging of UV-Blocking Carbon Dot-Based Coatings for Food Packaging Applications. <i>Coatings</i> , 2023, 13, 785.	1.2	2
128	Recent advances in the sustainable approach-based fabrication of antimicrobial nanosystems. , 2023, , 297-315.		0

#	ARTICLE	IF	CITATIONS
131	Biopolymer-Based Blend Nanocomposites. , 2023, , 551-577.		0
140	Cellulose-Based Gels: Synthesis, Properties and Applications. , 2023, , 613-638.		0
144	Progress in the utilization of water hyacinth as effective biomass material. Environment, Development and Sustainability, 0, , .	2.7	2
148	Recent developments of the nanocellulose extraction from water hyacinth: a review. Cellulose, 2023, 30, 8617-8641.	2.4	3