

Jie Cai

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.

30
papers

709
citations

13
h-index

26
g-index

32
ext. papers

923
ext. citations

6.3
avg, IF

4.11
L-index

#	Paper	IF	Citations
30	Hydrophobic Interface Starch Nanofibrous Film for Food Packaging: From Bioinspired Design to Self-Cleaning Action. <i>Journal of Agricultural and Food Chemistry</i> , 2021 , 69, 5067-5075	5.7	11
29	Complexation of maltodextrin-based inulin and green tea polyphenols via different ultrasonic pretreatment. <i>Ultrasonics Sonochemistry</i> , 2021 , 74, 105568	8.9	8
28	Acylation of blueberry anthocyanins with maleic acid: Improvement of the stability and its application potential in intelligent color indicator packing materials. <i>Dyes and Pigments</i> , 2021 , 184, 108852	4.6	13
27	Functional nanoparticle reinforced starch-based adhesive emulsion: Toward robust stability and high bonding performance. <i>Carbohydrate Polymers</i> , 2021 , 269, 118270	10.3	2
26	Starch/tea polyphenols nanofibrous films for food packaging application: From facile construction to enhance mechanical, antioxidant and hydrophobic properties. <i>Food Chemistry</i> , 2021 , 360, 129922	8.5	14
25	Preparation of Lipid-Soluble Bilberry Anthocyanins through Acylation with Cinnamic Acids and their Antioxidation Activities. <i>Journal of Agricultural and Food Chemistry</i> , 2020 , 68, 7467-7473	5.7	18
24	Citric acid-incorporated cellulose nanofibrous mats as food materials-based biosorbent for removal of hexavalent chromium from aqueous solutions. <i>International Journal of Biological Macromolecules</i> , 2020 , 149, 459-466	7.9	24
23	Interfacial modification of starch at high concentration by sodium dodecylsulfate as revealed by experiments and molecular simulation. <i>Journal of Molecular Liquids</i> , 2020 , 310, 113190	6	0
22	Synthesis of Ag-FeO Nanoparticles Immobilized on Pure Cellulose Microspheres as Recyclable and Biodegradable Catalysts. <i>ACS Omega</i> , 2020 , 5, 8839-8846	3.9	11
21	One-pot fabrication of cellulose-collagen fibrous networks for potential use as wound dressing: From characterization to first evaluation of cytocompatibility. <i>BioResources</i> , 2020 , 15, 2501-2511	1.3	2
20	Promising Rice-Husk-Derived Carbon/Ni(OH) Composite Materials as a High-Performing Supercapacitor Electrode. <i>ACS Omega</i> , 2020 , 5, 29896-29902	3.9	11
19	Polysaccharide-Based Hydrogels Derived from Cellulose: The Architecture Change from Nanofibers to Hydrogels for a Putative Dual Function in Dye Wastewater Treatment. <i>Journal of Agricultural and Food Chemistry</i> , 2020 , 68, 9725-9732	5.7	16
18	The enhancement of the flame retardance of bamboo fibre/HDPE composites: Cerium doped H ₂ Ti ₂ O ₅ ·H ₂ O nanotubes effects. <i>Construction and Building Materials</i> , 2019 , 201, 728-735	6.7	13
17	A combination of coarse-grain molecular dynamics to investigate the effects of sodium dodecyl sulfate on grafted reaction of starch-based adhesive. <i>Carbohydrate Polymers</i> , 2019 , 218, 20-29	10.3	6
16	Optimization of Spray-Drying Process of Extract for Inulin Production. <i>Molecules</i> , 2019 , 24,	4.8	4
15	Formation of H ₂ Ti ₂ O ₅ ·H ₂ O nanotube-based hybrid coating on bamboo fibre materials through layer-by-layer self-assembly method for an improved flame retardant performance. <i>Cellulose</i> , 2019 , 26, 2729-2741	5.5	2
14	Facile microencapsulation of olive oil in porous starch granules: Fabrication, characterization, and oxidative stability. <i>International Journal of Biological Macromolecules</i> , 2018 , 111, 755-761	7.9	36

13	Bamboo cellulose-derived cellulose acetate for electrospun nanofibers: synthesis, characterization and kinetics. <i>Cellulose</i> , 2018 , 25, 391-398	5.5	15
12	Robust Construction of Flexible Bacterial Cellulose@Ni(OH) Paper: Toward High 2 Capacitance and Sensitive H ₂ O ₂ Detection. <i>Engineered Science</i> , 2018 ,	3.8	13
11	Effect of solvent treatment on morphology, crystallinity and tensile properties of cellulose acetate nanofiber mats. <i>Journal of the Textile Institute</i> , 2017 , 108, 555-561	1.5	12
10	Electrospun composite nanofiber mats of Cellulose@Organically modified montmorillonite for heavy metal ion removal: Design, characterization, evaluation of absorption performance. <i>Composites Part A: Applied Science and Manufacturing</i> , 2017 , 92, 10-16	8.4	64
9	Synthesis of H ₂ Ti ₂ O ₃ H ₂ O nanotubes and their effects on the flame retardancy of bamboo fiber/high-density polyethylene composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2016 , 90, 225-233	8.4	16
8	The use of solvent-soaking treatment to enhance the anisotropic mechanical properties of electrospun nanofiber membranes for water filtration. <i>RSC Advances</i> , 2016 , 6, 66807-66813	3.7	11
7	High-performance supercapacitor electrode from cellulose-derived, inter-bonded carbon nanofibers. <i>Journal of Power Sources</i> , 2016 , 324, 302-308	8.9	100
6	Well-aligned cellulose nanofiber-reinforced polyvinyl alcohol composite film: Mechanical and optical properties. <i>Carbohydrate Polymers</i> , 2016 , 140, 238-45	10.3	65
5	High-Performance Supercapacitor Electrode Materials from Cellulose-Derived Carbon Nanofibers. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 14946-53	9.5	144
4	Thermal properties and crystallization behavior of thermoplastic starch/poly(ϵ -caprolactone) composites. <i>Carbohydrate Polymers</i> , 2014 , 102, 746-54	10.3	47
3	Surface acetylation of bamboo cellulose: preparation and rheological properties. <i>Carbohydrate Polymers</i> , 2013 , 92, 11-8	10.3	19
2	Parameters characterizing the kinetics of the nonisothermal crystallization of thermoplastic starch/poly(lactic acid) composites as determined by differential scanning calorimetry. <i>Journal of Applied Polymer Science</i> , 2013 , 129, 3566-3573	2.9	5
1	Effects of nano-TiO ₂ on the properties and structures of starch/poly(ϵ -caprolactone) composites. <i>Journal of Applied Polymer Science</i> , 2013 , 130, n/a-n/a	2.9	5