

Peng Lu

List of Publications by Year in descending order

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32
papers

962
citations

471509

17
h-index

434195

31
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32
docs citations

32
times ranked

986
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of pH indicator and antimicrobial cellulose nanofibre packaging film based on purple sweet potato anthocyanin and oregano essential oil. <i>International Journal of Biological Macromolecules</i> , 2020, 149, 271-280.	7.5	147
2	Preparation of sugarcane bagasse nanocellulose hydrogel as a colourimetric freshness indicator for intelligent food packaging. <i>Carbohydrate Polymers</i> , 2020, 249, 116831.	10.2	140
3	Effect of Chitosan- and Alginate-Based Coatings Enriched with Cinnamon Essential Oil Microcapsules to Improve the Postharvest Quality of Mangoes. <i>Materials</i> , 2019, 12, 2039.	2.9	73
4	ZnO nanoparticles stabilized oregano essential oil Pickering emulsion for functional cellulose nanofibrils packaging films with antimicrobial and antioxidant activity. <i>International Journal of Biological Macromolecules</i> , 2021, 190, 433-440.	7.5	66
5	Bio-based antimicrobial packaging from sugarcane bagasse nanocellulose/nisin hybrid films. <i>International Journal of Biological Macromolecules</i> , 2020, 161, 627-635.	7.5	63
6	Comparative study of aramid nanofiber (ANF) and cellulose nanofiber (CNF). <i>Carbohydrate Polymers</i> , 2019, 208, 372-381.	10.2	59
7	Reactive coating of soybean oil-based polymer on nanofibrillated cellulose film for water vapor barrier packaging. <i>Carbohydrate Polymers</i> , 2014, 111, 524-529.	10.2	48
8	Application of Nanofibrillated Cellulose on BOPP/LDPE Film as Oxygen Barrier and Antimicrobial Coating Based on Cold Plasma Treatment. <i>Coatings</i> , 2018, 8, 207.	2.6	34
9	Preparation of Self-supporting Bagasse Cellulose Nanofibrils Hydrogels Induced by Zinc Ions. <i>Nanomaterials</i> , 2018, 8, 800.	4.1	33
10	Synthesis, characterization and antimicrobial activities of water-soluble amphiphilic copolymers containing ciprofloxacin and quaternary ammonium salts. <i>Journal of Materials Chemistry B</i> , 2015, 3, 3704-3713.	5.8	27
11	Enzyme-assisted mechanical production of microfibrillated cellulose from Northern Bleached Softwood Kraft pulp. <i>Cellulose</i> , 2017, 24, 3929-3942.	4.9	27
12	Developed Chitosan/Oregano Essential Oil Biocomposite Packaging Film Enhanced by Cellulose Nanofibril. <i>Polymers</i> , 2020, 12, 1780.	4.5	27
13	Cellulase-assisted refining of bleached softwood kraft pulp for making water vapor barrier and grease-resistant paper. <i>Cellulose</i> , 2016, 23, 891-900.	4.9	25
14	Antibacterial activities and mechanisms of fluorinated graphene and guanidine-modified graphene. <i>RSC Advances</i> , 2016, 6, 8763-8772.	3.6	23
15	Novel aqueous spongy foams made of three-dimensionally dispersed wood-fiber: entrapment and stabilization with NFC/MFC within capillary foams. <i>Cellulose</i> , 2017, 24, 241-251.	4.9	21
16	A high-stable soybean-oil-based epoxy acrylate emulsion stabilized by silanized nanocrystalline cellulose as a sustainable paper coating for enhanced water vapor barrier. <i>Journal of Colloid and Interface Science</i> , 2022, 610, 1043-1056.	9.4	21
17	Nanocellulose Stabilized Pickering Emulsion Templating for Thermosetting AESO Nanocomposite Foams. <i>Polymers</i> , 2018, 10, 1111.	4.5	18
18	TOCNC-g-PEI nanoparticle encapsulated oregano essential oil for enhancing the antimicrobial activity of cellulose nanofibril packaging films. <i>Carbohydrate Polymers</i> , 2021, 274, 118654.	10.2	17

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19	Nanocellulose/Nisin Hydrogel Microparticles as Sustained Antimicrobial Coatings for Paper Packaging. <i>ACS Applied Polymer Materials</i> , 2022, 4, 2664-2673.	4.4	17
20	“Bottom-Up” Assembly of Nanocellulose Microgels as Stabilizer for Pickering Foam Forming. <i>Biomacromolecules</i> , 2021, 22, 3960-3970.	5.4	12
21	Amphiphilic cationic copolymers with ciprofloxacin: preparation and antimicrobial activities. <i>New Journal of Chemistry</i> , 2016, 40, 1354-1364.	2.8	11
22	An antimicrobial bio-based polymer foam from ZnO-stabilised pickering emulsion templated polymerisation. <i>Journal of Materials Science</i> , 2021, 56, 1643-1657.	3.7	10
23	Water vapor barrier coating based on nanocellulose crystals stabilized AESO oil-in-water Pickering emulsion. <i>Progress in Organic Coatings</i> , 2021, 159, 106479.	3.9	7
24	Effects of Cellulosic Base Sheet Pore Structure and Soybean Oil-Based Polymer Layer on Cellulosic Packaging Performance as a Barrier for Water and Water Vapor. <i>BioResources</i> , 2016, 11, .	1.0	7
25	Synthesis of Amphiphilic Copolymers Containing Ciprofloxacin and Amine Groups and Their Antimicrobial Performances As Revealed by Confocal Laser-Scanning Microscopy and Atomic-Force Microscopy. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 8406-8414.	5.2	6
26	A Two-Stream CNN Model with Adaptive Adjustment of Receptive Field Dedicated to Flame Region Detection. <i>Symmetry</i> , 2021, 13, 397.	2.2	6
27	Foam forming: an effective approach to fabricate highly bulky, uniform and soft reconstituted tobacco sheets. <i>Cellulose</i> , 2021, 28, 2315-2325.	4.9	4
28	Mixed noise reduction via sparse error constraint representation of high frequency image for wildlife image. <i>Multimedia Tools and Applications</i> , 2022, 81, 44045-44058.	3.9	4
29	Insecticidal characteristics and mechanism of a promising natural insecticide against saw-toothed grain beetle. <i>RSC Advances</i> , 2022, 12, 7066-7074.	3.6	3
30	Improving Water Vapor Barrier of Green-Based Nanocellulose Film via Hydrophobic Coating. , 2015, , .		2
31	Highly foldable, robust and water-resistant cellulose specialty paper reinforced by aramid nanofibers. <i>Cellulose</i> , 2022, 29, 2033-2045.	4.9	2
32	On the Network Strength of Meta-Aramid Fiber Suspension and Its Relationship to Formation. <i>Advances in Polymer Technology</i> , 2022, 2022, 1-7.	1.7	2