

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
all docs

32
docs citations

32
times ranked

986
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Highly foldable, robust and water-resistant cellulose specialty paper reinforced by aramid nanofibers. <i>Cellulose</i> , 2022, 29, 2033-2045.	4.9	2
3	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
4	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
5	Nanocellulose/Nisin Hydrogel Microparticles as Sustained Antimicrobial Coatings for Paper Packaging. <i>ACS Applied Polymer Materials</i> , 2022, 4, 2664-2673.	4.4	17
6	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
7	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
8	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
9	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
10	“Bottom-Up” Assembly of Nanocellulose Microgels as Stabilizer for Pickering Foam Forming. <i>Biomacromolecules</i> , 2021, 22, 3960-3970.	5.4	12
11	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
12	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
13	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
14	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
15	Developed Chitosan/Oregano Essential Oil Biocomposite Packaging Film Enhanced by Cellulose Nanofibril. <i>Polymers</i> , 2020, 12, 1780.	4.5	27
16	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
17	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
18	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

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19	Comparative study of aramid nanofiber (ANF) and cellulose nanofiber (CNF). Carbohydrate Polymers, 2019, 208, 372-381.	10.2	59
20	Nanocellulose Stabilized Pickering Emulsion Templating for Thermosetting AESO Nanocomposite Foams. Polymers, 2018, 10, 1111.	4.5	18
21	Preparation of Self-supporting Bagasse Cellulose Nanofibrils Hydrogels Induced by Zinc Ions. Nanomaterials, 2018, 8, 800.	4.1	33
22	Application of Nanofibrillated Cellulose on BOPP/LDPE Film as Oxygen Barrier and Antimicrobial Coating Based on Cold Plasma Treatment. Coatings, 2018, 8, 207.	2.6	34
23	Synthesis of Amphiphilic Copolymers Containing Ciprofloxacin and Amine Groups and Their Antimicrobial Performances As Revealed by Confocal Laser-Scanning Microscopy and Atomic-Force Microscopy. Journal of Agricultural and Food Chemistry, 2018, 66, 8406-8414.	5.2	6
24	Enzyme-assisted mechanical production of microfibrillated cellulose from Northern Bleached Softwood Kraft pulp. Cellulose, 2017, 24, 3929-3942.	4.9	27
25	Novel aqueous spongy foams made of three-dimensionally dispersed wood-fiber: entrapment and stabilization with NFC/MFC within capillary foams. Cellulose, 2017, 24, 241-251.	4.9	21
26	Antibacterial activities and mechanisms of fluorinated graphene and guanidine-modified graphene. RSC Advances, 2016, 6, 8763-8772.	3.6	23
27	Cellulase-assisted refining of bleached softwood kraft pulp for making water vapor barrier and grease-resistant paper. Cellulose, 2016, 23, 891-900.	4.9	25
28	Amphiphilic cationic copolymers with ciprofloxacin: preparation and antimicrobial activities. New Journal of Chemistry, 2016, 40, 1354-1364.	2.8	11
29	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. BioResources, 2016, 11, .	1.0	7
30	Improving Water Vapor Barrier of Green-Based Nanocellulose Film via Hydrophobic Coating. , 2015, , .		2
31	Synthesis, characterization and antimicrobial activities of water-soluble amphiphilic copolymers containing ciprofloxacin and quaternary ammonium salts. Journal of Materials Chemistry B, 2015, 3, 3704-3713.	5.8	27
32	Reactive coating of soybean oil-based polymer on nanofibrillated cellulose film for water vapor barrier packaging. Carbohydrate Polymers, 2014, 111, 524-529.	10.2	48