

Jinxiu Qi

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

612
citations

687363

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all docs

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docs citations

30
times ranked

648
citing authors

#	ARTICLE	IF	CITATIONS
1	Isolation and characterization of cellulose nanofibers from bamboo using microwave liquefaction combined with chemical treatment and ultrasonication. <i>Carbohydrate Polymers</i> , 2016, 151, 725-734.	10.2	152
2	High bio-content polyurethane (PU) foam made from bio-polyol and cellulose nanocrystals (CNCs) via microwave liquefaction. <i>Materials and Design</i> , 2018, 138, 11-20.	7.0	66
3	Effect of fabricated density and bamboo species on physical–mechanical properties of bamboo fiber bundle reinforced composites. <i>Journal of Materials Science</i> , 2016, 51, 7480-7490.	3.7	43
4	Bio-based UV protective films prepared with polylactic acid (PLA) and Phoebe zhennan extractives. <i>International Journal of Biological Macromolecules</i> , 2018, 119, 582-587.	7.5	40
5	Preparation of flexible and UV-blocking films from lignin-containing cellulose incorporated with tea polyphenol/citric acid. <i>International Journal of Biological Macromolecules</i> , 2022, 207, 917-926.	7.5	37
6	Characterization of Microwave Liquefied Bamboo Residue and Its Potential Use in the Generation of Nanofibrillated Cellulosic Fiber. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 3477-3485.	6.7	31
7	Effects of characteristic inhomogeneity of bamboo culm nodes on mechanical properties of bamboo fiber reinforced composite. <i>Journal of Forestry Research</i> , 2015, 26, 1057-1060.	3.6	23
8	Characterization of Biobased Polyurethane Foams Employing Lignin Fractionated from Microwave Liquefied Switchgrass. <i>International Journal of Polymer Science</i> , 2017, 2017, 1-8.	2.7	23
9	Optimization for microwave-assisted direct liquefaction of bamboo residue in glycerol/methanol mixtures. <i>Journal of Forestry Research</i> , 2015, 26, 261-265.	3.6	20
10	Comparative analysis of modern and ancient buried Phoebe zhennan wood: surface color, chemical components, infrared spectroscopy, and essential oil composition. <i>Journal of Forestry Research</i> , 2015, 26, 501-507.	3.6	17
11	Agricultural and Forest Residues towards Renewable Chemicals and Materials Using Microwave Liquefaction. <i>International Journal of Polymer Science</i> , 2019, 2019, 1-16.	2.7	17
12	Liquefaction behaviors of bamboo residues in a glycerol-based solvent using microwave energy. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	2.6	16
13	Differences in physical–mechanical properties of bamboo scrimbers with response to bamboo maturing process. <i>European Journal of Wood and Wood Products</i> , 2018, 76, 1137-1143.	2.9	14
14	Dilute Alkali and Hydrogen Peroxide Treatment of Microwave Liquefied Rape Straw Residue for the Extraction of Cellulose Nanocrystals. <i>Journal of Nanomaterials</i> , 2017, 2017, 1-9.	2.7	12
15	Transparent and UV-absorbing nanocellulose films prepared by directly dissolving microwave liquefied bamboo in TBAA/DMSO co-solvent system. <i>Industrial Crops and Products</i> , 2021, 171, 113899.	5.2	11
16	Effect of accelerated aging on selected physical and mechanical properties of <i>Bambusa rigida</i> bamboo. <i>European Journal of Wood and Wood Products</i> , 2014, 72, 547-549.	2.9	10
17	Analysis of <i>Phyllostachys pubescens</i> Bamboo Residues for Liquefaction: Chemical Components, Infrared Spectroscopy, and Thermogravimetry. <i>BioResources</i> , 2013, 8, .	1.0	9
18	Microstructure and physicochemical properties of the anisotropic moso bamboo (<i>Phyllostachys</i>) Tj ETQq0 0 0 rgBT /Qverlock_10 Tf 50 6	2.9	9

#	ARTICLE	IF	CITATIONS
19	Improving the anti-mould property of Moso bamboo surface by using a bamboo green colour preservation approach. <i>Wood Material Science and Engineering</i> , 2023, 18, 161-171.	2.3	9
20	Thermal Degradation Kinetics of Urea-Formaldehyde Resins Modified by Almond Shells. <i>ACS Omega</i> , 2021, 6, 25702-25709.	3.5	8
21	Kinetics and Thermodynamic Analysis of Recent and Ancient Buried <i>Phoebe zhennan</i> Wood. <i>ACS Omega</i> , 2020, 5, 20943-20952.	3.5	7
22	Enhancement of magnetic film with light penetration by immobilization of Fe ₃ O ₄ nanoparticles in a spherical bamboo nanocellulose network. <i>Cellulose</i> , 2021, 28, 4179-4189.	4.9	7
23	Anatomical characteristics and physical-mechanical properties of <i>Neosinocalamus affinis</i> from Southwest China. <i>European Journal of Wood and Wood Products</i> , 2017, 75, 659-662.	2.9	6
24	Characterization of Ethyl Acetate and Trichloromethane Extracts from <i>Phoebe zhennan</i> Wood Residues and Application on the Preparation of UV Shielding Films. <i>Molecules</i> , 2020, 25, 1145.	3.8	6
25	Preparation and thermal degradation property analysis of the tea-based melamine-modified urea-formaldehyde (TMUF) resin. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 146, 1845.	3.6	5
26	Significant evaluation of three factors affecting the pre-curing behavior of urea formaldehyde resin: temperature, solid content, and pH. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018, 133, 1463-1470.	3.6	4
27	Thermal decomposition characteristics of microwave liquefied rape straw residues using thermogravimetric analysis. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018, 131, 1911-1918.	3.6	4
28	Chemical composition, UV/vis absorptivity, and antioxidant activity of essential oils from bark and leaf of <i>phoebe</i> zhennan S. K. Lee & F. N. Wei. <i>Natural Product Research</i> , 2020, 34, 876-879.	1.8	3
29	Fractionation and Potential Applications of Components from Microwave Liquefaction of Chromate Copper Arsenate-Treated Wood. <i>BioResources</i> , 2018, 13, .	1.0	2
30	Preliminary evaluation of liquefaction behavior of <i>Eucalyptus grandis</i> bark in glycerol. <i>Journal of Forestry Research</i> , 2020, 31, 687-691.	3.6	1