Xueping Song

List of Publications by Year
in descending order

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Version: 2024-02-01

35 papers	1,354 citations	430874 18 h-index	377865 34 g-index
35 all docs	35 docs citations	35 times ranked	1544 citing authors

#	Article	IF	Citations
1	Preparation of zinc-doped bagasse-based activated carbon multilayer composite and its electrochemical performance as a supercapacitor. Microporous and Mesoporous Materials, 2022, 329, 111518.	4.4	5
2	UVâ€Shielding Performance and Color of Lignin and its Application to Sunscreen. Macromolecular Materials and Engineering, 2022, 307, 2100628.	3.6	16
3	Preparation, Properties, and Application of Lignocellulosicâ€Based Fluorescent Carbon Dots. ChemSusChem, 2022, 15, e202102486.	6.8	20
4	Competitive effects of glucanâ€™s main hydrolysates on biochar formation: A combined experiment and density functional theory analysis. Bioresource Technology, 2022, 359, 127427.	9.6	5
5	Xylan and xylose decomposition during hot water pre-extraction: A pH-regulated hydrolysis. Carbohydrate Polymers, 2021, 255, 117391.	10.2	21
6	Effect of endoglucanase and high-pressure homogenization post-treatments on mechanically grinded cellulose nanofibrils and their film performance. Carbohydrate Polymers, 2021, 253, 117253.	10.2	30
7	Supercritical water co-liquefaction of LLDPE and PP into oil: properties and synergy. Sustainable Energy and Fuels, 2021, 5, 575-583.	4.9	23
8	Preparation and Application in Water Treatment of Magnetic Biochar. Frontiers in Bioengineering and Biotechnology, 2021, 9, 769667.	4.1	12
9	Product Characteristics and Synergy Study on Supercritical Methanol Liquefaction of Lignocellulosic Biomass and Plastic. ACS Sustainable Chemistry and Engineering, 2021, 9, 17103-17111.	6.7	8
10	Fluorescence Enhancement of Lignin-Based Carbon Quantum Dots by Concentration-Dependent and Electron-Donating Substituent Synergy and Their Cell Imaging Applications. ACS Applied Materials & Interfaces, 2021, 13, 61565-61577.	8.0	37
11	Effects of adsorbate molecular space conformation on the adsorption capacity of porous carbon materials: A case study of propylene glycol methyl ether. Science of the Total Environment, 2020, 712, 135495.	8.0	1
12	Combined mechanical grinding and enzyme post-treatment leading to increased yield and size uniformity of cellulose nanofibrils. Cellulose, 2020, 27, 7447-7461.	4.9	10
13	Green production of fluorescent carbon quantum dots based on pine wood and its application in the detection of Fe3+. Journal of Cleaner Production, 2020, 263, 121561.	9.3	103
14	Effects of Hot Water Pre-Extraction on Energy Consumption and Brightness of Bamboo Alkaline Peroxide Mechanical Pulp. Journal of Biobased Materials and Bioenergy, 2020, 14, 349-358.	0.3	0
15	A hydrothermal-carbonization process for simultaneously production of sugars, graphene quantum dots, and porous carbon from sugarcane bagasse. Bioresource Technology, 2019, 282, 142-147.	9.6	84
16	A bio-mechanical process for cellulose nanofiber production â€“ Towards a greener and energy conservation solution. Carbohydrate Polymers, 2019, 208, 191-199.	10.2	43
17	Effects of residual lignin on composition, structure and properties of mechanically defibrillated cellulose fibrils and films. Cellulose, 2019, 26, 1577-1593.	4.9	60
18	Acetylation improves thermal stability and transmittance in FOLED substrates based on nanocellulose films. RSC Advances, 2018, 8, 3619-3625.	3.6	31

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19	Effects of residual lignin on mechanical defibrillation process of cellulosic fiber for producing lignocellulose nanofibrils. Cellulose, 2018, 25, 6479-6494.	4.9	46
20	Enzyme-assisted mechanical grinding for cellulose nanofibers from bagasse: energy consumption and nanofiber characteristics. Cellulose, 2018, 25, 7065-7078.	4.9	40
21	Transparent and Water-Resistant Composites Prepared from Acrylic Resins ABPE-10 and Acetylated Nanofibrillated Cellulose as Flexible Organic Light-Emitting Device Substrate. Nanomaterials, 2018, 8, 648.	4.1	15
22	Extraction of hemicellulose by hot water to reduce adsorbable organic halogen formation in chlorine dioxide bleaching of bagasse pulp. Industrial Crops and Products, 2017, 96, 178-185.	5.2	72
23	Enzyme-assisted mechanical production of microfibrillated cellulose from Northern Bleached Softwood Kraft pulp. Cellulose, 2017, 24, 3929-3942.	4.9	27
24	Effect of Alkali Pectinase Pretreatment on Bagasse Soda-Anthraquinone Pulp. BioResources, 2017, 12, .	1.0	6
25	A Method for Integrated Optimization of Chlorine Dioxide Delignification of Bagasse Pulp. BioResources, 2017, 13, .	1.0	4
26	Xylanase-Aided Chlorine Dioxide Bleaching of Bagasse Pulp to Reduce AOX Formation. BioResources, 2016, 11, .	1.0	5
27	Kinetics of Adsorbable Organic Halides (AOX) Reduction in Laccase-Aided Chlorine Dioxide Bleaching of Bagasse Pulp. BioResources, 2016, 11, .	1.0	3
28	Surface characterization and chemical analysis of bamboo substrates pretreated by alkali hydrogen peroxide. Bioresource Technology, 2016, 216, 1098-1101.	9.6	59
29	Laminated Crossâ€Linked Nanocellulose/Graphene Oxide Electrolyte for Flexible Rechargeable Zincâ€“Air Batteries. Advanced Energy Materials, 2016, 6, 1600476.	19.5	155
30	A flexible solid-state electrolyte for wide-scale integration of rechargeable zincâ€“air batteries. Energy and Environmental Science, 2016, 9, 663-670.	30.8	275
31	Removal of hexenuronic acid by xylanase to reduce adsorbable organic halides formation in chlorine dioxide bleaching of bagasse pulp. Bioresource Technology, 2015, 196, 413-417.	9.6	70
32	Kinetics of AOX Formation in Chlorine Dioxide Bleaching of Bagasse Pulp. BioResources, 2014, 9, .	1.0	17
33	A kinetic model for oxidative degradation of bagasse pulp fiber by sodium periodate. Carbohydrate Polymers, 2012, 90, 218-223.	10.2	48
34	Characterizations of Bamboo Succus And Alkaline Peroxide Mechanical Pulping (APMP) Brightness of Bambusa Chungii. Journal of Testing and Evaluation, 2012, 40, 349-356.	0.7	1
35	Dissolving Behavior of Carbohydrate Ingredients During Pre-Extraction Process of Alkaline Hydrogen Peroxide of Bamboos. Journal of Testing and Evaluation, 2012, 40, 343-348.	0.7	2