

Xueping Song

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4348476/publications.pdf>

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	A flexible solid-state electrolyte for wide-scale integration of rechargeable zinc-air batteries. <i>Energy and Environmental Science</i> , 2016, 9, 663-670.	30.8	275
2	Laminated Cross-Linked Nanocellulose/Graphene Oxide Electrolyte for Flexible Rechargeable Zinc-Air Batteries. <i>Advanced Energy Materials</i> , 2016, 6, 1600476.	19.5	155
3	Green production of fluorescent carbon quantum dots based on pine wood and its application in the detection of Fe ³⁺ . <i>Journal of Cleaner Production</i> , 2020, 263, 121561.	9.3	103
4	A hydrothermal-carbonization process for simultaneously production of sugars, graphene quantum dots, and porous carbon from sugarcane bagasse. <i>Bioresource Technology</i> , 2019, 282, 142-147.	9.6	84
5	Extraction of hemicellulose by hot water to reduce adsorbable organic halogen formation in chlorine dioxide bleaching of bagasse pulp. <i>Industrial Crops and Products</i> , 2017, 96, 178-185.	5.2	72
6	Removal of hexenuronic acid by xylanase to reduce adsorbable organic halides formation in chlorine dioxide bleaching of bagasse pulp. <i>Bioresource Technology</i> , 2015, 196, 413-417.	9.6	70
7	Effects of residual lignin on composition, structure and properties of mechanically defibrillated cellulose fibrils and films. <i>Cellulose</i> , 2019, 26, 1577-1593.	4.9	60
8	Surface characterization and chemical analysis of bamboo substrates pretreated by alkali hydrogen peroxide. <i>Bioresource Technology</i> , 2016, 216, 1098-1101.	9.6	59
9	A kinetic model for oxidative degradation of bagasse pulp fiber by sodium periodate. <i>Carbohydrate Polymers</i> , 2012, 90, 218-223.	10.2	48
10	Effects of residual lignin on mechanical defibrillation process of cellulosic fiber for producing lignocellulose nanofibrils. <i>Cellulose</i> , 2018, 25, 6479-6494.	4.9	46
11	A bio-mechanical process for cellulose nanofiber production – Towards a greener and energy conservation solution. <i>Carbohydrate Polymers</i> , 2019, 208, 191-199.	10.2	43
12	Enzyme-assisted mechanical grinding for cellulose nanofibers from bagasse: energy consumption and nanofiber characteristics. <i>Cellulose</i> , 2018, 25, 7065-7078.	4.9	40
13	Fluorescence Enhancement of Lignin-Based Carbon Quantum Dots by Concentration-Dependent and Electron-Donating Substituent Synergy and Their Cell Imaging Applications. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 61565-61577.	8.0	37
14	Acetylation improves thermal stability and transmittance in FOLED substrates based on nanocellulose films. <i>RSC Advances</i> , 2018, 8, 3619-3625.	3.6	31
15	Effect of endoglucanase and high-pressure homogenization post-treatments on mechanically grinded cellulose nanofibrils and their film performance. <i>Carbohydrate Polymers</i> , 2021, 253, 117253.	10.2	30
16	Enzyme-assisted mechanical production of microfibrillated cellulose from Northern Bleached Softwood Kraft pulp. <i>Cellulose</i> , 2017, 24, 3929-3942.	4.9	27
17	Supercritical water co-liquefaction of LLDPE and PP into oil: properties and synergy. <i>Sustainable Energy and Fuels</i> , 2021, 5, 575-583.	4.9	23
18	Xylan and xylose decomposition during hot water pre-extraction: A pH-regulated hydrolysis. <i>Carbohydrate Polymers</i> , 2021, 255, 117391.	10.2	21

#	ARTICLE	IF	CITATIONS
19	Preparation, Properties, and Application of Lignocellulosic-Based Fluorescent Carbon Dots. <i>ChemSusChem</i> , 2022, 15, e202102486.	6.8	20
20	Kinetics of AOX Formation in Chlorine Dioxide Bleaching of Bagasse Pulp. <i>BioResources</i> , 2014, 9, .	1.0	17
21	UV-Shielding Performance and Color of Lignin and its Application to Sunscreen. <i>Macromolecular Materials and Engineering</i> , 2022, 307, 2100628.	3.6	16
22	Transparent and Water-Resistant Composites Prepared from Acrylic Resins ABPE-10 and Acetylated Nanofibrillated Cellulose as Flexible Organic Light-Emitting Device Substrate. <i>Nanomaterials</i> , 2018, 8, 648.	4.1	15
23	Preparation and Application in Water Treatment of Magnetic Biochar. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 769667.	4.1	12
24	Combined mechanical grinding and enzyme post-treatment leading to increased yield and size uniformity of cellulose nanofibrils. <i>Cellulose</i> , 2020, 27, 7447-7461.	4.9	10
25	Product Characteristics and Synergy Study on Supercritical Methanol Liquefaction of Lignocellulosic Biomass and Plastic. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 17103-17111.	6.7	8
26	Effect of Alkali Pectinase Pretreatment on Bagasse Soda-Antraquinone Pulp. <i>BioResources</i> , 2017, 12, .	1.0	6
27	Xylanase-Aided Chlorine Dioxide Bleaching of Bagasse Pulp to Reduce AOX Formation. <i>BioResources</i> , 2016, 11, .	1.0	5
28	Preparation of zinc-doped bagasse-based activated carbon multilayer composite and its electrochemical performance as a supercapacitor. <i>Microporous and Mesoporous Materials</i> , 2022, 329, 111518.	4.4	5
29	Competitive effects of glucan's main hydrolysates on biochar formation: A combined experiment and density functional theory analysis. <i>Bioresource Technology</i> , 2022, 359, 127427.	9.6	5
30	A Method for Integrated Optimization of Chlorine Dioxide Delignification of Bagasse Pulp. <i>BioResources</i> , 2017, 13, .	1.0	4
31	Kinetics of Adsorbable Organic Halides (AOX) Reduction in Laccase-Aided Chlorine Dioxide Bleaching of Bagasse Pulp. <i>BioResources</i> , 2016, 11, .	1.0	3
32	Dissolving Behavior of Carbohydrate Ingredients During Pre-Extraction Process of Alkaline Hydrogen Peroxide of Bamboos. <i>Journal of Testing and Evaluation</i> , 2012, 40, 343-348.	0.7	2
33	Effects of adsorbate molecular space conformation on the adsorption capacity of porous carbon materials: A case study of propylene glycol methyl ether. <i>Science of the Total Environment</i> , 2020, 712, 135495.	8.0	1
34	Characterizations of Bamboo Succus And Alkaline Peroxide Mechanical Pulping (APMP) Brightness of Bambusa Chungii. <i>Journal of Testing and Evaluation</i> , 2012, 40, 349-356.	0.7	1
35	Effects of Hot Water Pre-Extraction on Energy Consumption and Brightness of Bamboo Alkaline Peroxide Mechanical Pulp. <i>Journal of Biobased Materials and Bioenergy</i> , 2020, 14, 349-358.	0.3	0