Yun Ji

List of Publications by Year in descending order

23 papers	670 citations	687363 13 h-index	642732 23 g-index
24 all docs	24 docs citations	24 times ranked	1132 citing authors

#	Article	IF	Citations
1	Recent Development in Chemical Depolymerization of Lignin: A Review. Hindawi Journal of Chemistry, 2013, 2013, 1-9.	1.6	189
2	Biodegradation of lignin by fungi, bacteria and laccases. Bioresource Technology, 2016, 220, 414-424.	9.6	90
3	Microbial treatment of industrial lignin: Successes, problems and challenges. Renewable and Sustainable Energy Reviews, 2017, 77, 1179-1205.	16.4	85
4	Converting forage sorghum and sunn hemp into biofuels through dilute acid pretreatment. Industrial Crops and Products, 2013, 49, 598-609.	5.2	49
5	Metals in the Environment: Toxic Metals Removal. Bioinorganic Chemistry and Applications, 2017, 2017, 1-2.	4.1	29
6	Morphological changes of lignin during separation of wheat straw components by the hydrothermal-ethanol method. Bioresource Technology, 2019, 294, 122157.	9.6	26
7	Using fractal dimension and shape factors to characterize the microcrystalline cellulose (MCC) particle morphology and powder flowability. Powder Technology, 2020, 364, 241-250.	4.2	25
8	Kenaf biomass biodecomposition by basidiomycetes and actinobacteria in submerged fermentation for production of carbohydrates and phenolic compounds. Bioresource Technology, 2014, 173, 352-360.	9.6	20
9	Fungal Biotransformation of Insoluble Kraft Lignin into a Water Soluble Polymer. Industrial & Engineering Chemistry Research, 2017, 56, 6103-6113.	3.7	20
10	On the Synthesis and Characterization of Polylactic Acid, Polyhydroxyalkanoate, Cellulose Acetate, and Their Engineered Blends by Solvent Casting. Journal of Materials Engineering and Performance, 2020, 29, 5542-5556.	2.5	18
11	Production of lignin based insoluble polymers (anionic hydrogels) by C. versicolor. Scientific Reports, 2017, 7, 17507.	3.3	16
12	Pore structure and pertinent physical properties of nanofibrillated cellulose (NFC)-based foam materials. Carbohydrate Polymers, 2018, 201, 141-150.	10.2	15
13	Correlation between the powder characteristics and particle morphology of microcrystalline cellulose (MCC) and its tablet application performance. Powder Technology, 2022, 399, 117194.	4.2	15
14	Wheat straw components fractionation, with efficient delignification, by hydrothermal treatment followed by facilitated ethanol extraction. Bioresource Technology, 2020, 316, 123882.	9.6	13
15	On the Design of Novel Biofoams Using Lignin, Wheat Straw, and Sugar Beet Pulp as Precursor Material. ACS Omega, 2020, 5, 17078-17089.	3.5	13
16	Foam materials with controllable pore structure prepared from nanofibrillated cellulose with addition of alcohols. Industrial Crops and Products, 2018, 125, 314-322.	5.2	12
17	An integrative cellulose-based composite material with controllable structure and properties for solar-driven water evaporation. Cellulose, 2022, 29, 2461-2477.	4.9	10
18	Pretreatment and Enzymatic Hydrolysis of Kenaf as a Potential Source for Lignocellulosic Biofuel and Green Chemicals. Current Organic Chemistry, 2013, 17, 1624-1632.	1.6	5

#	Article	IF	Citations
19	Determining the kinetics of sunflower hulls using dilute acid pretreatment in the production of xylose and furfural. Green Processing and Synthesis, 2014, 3, .	3.4	4
20	Effects of acid hydrolysis waste liquid recycle on preparation of microcrystalline cellulose. Green Processing and Synthesis, 2019, 8, 348-354.	3.4	4
21	Control of structure and properties of cellulose nanofibrils (CNF)-based foam materials by using ethanol additives prior to freeze-drying. Wood Science and Technology, 2019, 53, 837-854.	3.2	3
22	Exploration of solvent casting for designing engineered microstructures for biomedical and functional applications. Journal of the American Ceramic Society, 2022, 105, 1864-1881.	3.8	3
23	Synthesis and Tribological Behavior of Ultra High Molecular Weight Polyethylene (UHMWPE)-Lignin Composites. Lubricants, 2016, 4, 31.	2.9	2