

Hui Pan

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

50
papers

1,170
citations

16
h-index

33
g-index

51
ext. papers

1,487
ext. citations

6.3
avg, IF

5
L-index

#	Paper	IF	Citations
50	Rosin modified cellulose nanofiber as a reinforcing and co-antimicrobial agents in polylactic acid /chitosan composite film for food packaging. <i>Carbohydrate Polymers</i> , 2018 , 183, 102-109	10.3	129
49	Effects of nanocellulose on the structure and properties of poly(vinyl alcohol)-borax hybrid foams. <i>Cellulose</i> , 2017 , 24, 4433-4448	5.5	101
48	Synthesis of polymers from organic solvent liquefied biomass: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2011 , 15, 3454-3463	16.2	89
47	Catalytic Transfer Hydrogenation of Furfural to 2-Methylfuran and 2-Methyltetrahydrofuran over Bimetallic Copper-Palladium Catalysts. <i>ChemSusChem</i> , 2016 , 9, 3330-3337	8.3	86
46	Enhanced Catalytic Transfer Hydrogenation of Ethyl Levulinate to γ -Valerolactone over a Robust CuNi Bimetallic Catalyst. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 1322-1331	8.3	80
45	Microwave-assisted alcoholysis of furfural alcohol into alkyl levulinates catalyzed by metal salts. <i>Green Chemistry</i> , 2016 , 18, 1516-1523	10	74
44	Facile and high-yield synthesis of methyl levulinate from cellulose. <i>Green Chemistry</i> , 2018 , 20, 1323-1334	10	64
43	Insight into Aluminum Sulfate-Catalyzed Xylan Conversion into Furfural in a γ -Valerolactone/Water Biphasic Solvent under Microwave Conditions. <i>ChemSusChem</i> , 2017 , 10, 4066-4079	8.3	53
42	Highly Transparent, Strong, and Flexible Films with Modified Cellulose Nanofiber Bearing UV Shielding Property. <i>Biomacromolecules</i> , 2018 , 19, 4565-4575	6.9	44
41	Room-Temperature Dissolution and Mechanistic Investigation of Cellulose in a Tetra-Butylammonium Acetate/Dimethyl Sulfoxide System. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 2286-2294	8.3	41
40	Highly efficient metal salt catalyst for the esterification of biomass derived levulinic acid under microwave irradiation. <i>RSC Advances</i> , 2016 , 6, 2106-2111	3.7	38
39	Chemical Groups and Structural Characterization of Lignin via Thiol-Mediated Demethylation. <i>Journal of Wood Chemistry and Technology</i> , 2014 , 34, 122-134	2	37
38	Super-fast degradation of high concentration methyl orange over bifunctional catalyst Fe/FeC@C with microwave irradiation. <i>Journal of Hazardous Materials</i> , 2020 , 392, 122279	12.8	25
37	Demethylation of Alkali Lignin with Halogen Acids and Its Application to Phenolic Resins. <i>Polymers</i> , 2019 , 11,	4.5	25
36	Influence of alkenyl structures on the epoxidation of unsaturated fatty acid methyl esters and vegetable oils. <i>RSC Advances</i> , 2015 , 5, 74783-74789	3.7	16
35	Modification of Cellulose with Succinic Anhydride in TBAA/DMSO Mixed Solvent under Catalyst-Free Conditions. <i>Materials</i> , 2017 , 10,	3.5	16
34	Polyols from Microwave Liquefied Bagasse and Its Application to Rigid Polyurethane Foam. <i>Materials</i> , 2015 , 8, 8496-8509	3.5	16

33	Directional synergistic conversion of lignocellulosic biomass with matching-solvents for added-value chemicals. <i>Green Chemistry</i> , 2019 , 21, 4951-4957	10	15
32	Simple and efficient conversion of cellulose to γ -valerolactone through an integrated alcoholysis/transfer hydrogenation system using Ru and aluminium sulfate catalysts. <i>Catalysis Science and Technology</i> , 2018 , 8, 6252-6262	5.5	15
31	An Energy-Efficient One-Pot Swelling/Esterification Method to Prepare Cellulose Nanofibers with Uniform Diameter. <i>ChemSusChem</i> , 2018 , 11, 3714-3718	8.3	15
30	Highly Efficient Silica-Supported Peroxycarboxylic Acid for the Epoxidation of Unsaturated Fatty Acid Methyl Esters and Vegetable Oils. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 3840-3849	8.3	14
29	Maximizing utilization of poplar wood by microwave-assisted pretreatment with methanol/dioxane binary solvent. <i>Bioresource Technology</i> , 2020 , 300, 122657	11	13
28	Synchronous conversion of lignocellulosic polysaccharides to levulinic acid with synergic bifunctional catalysts in a biphasic cosolvent system. <i>Industrial Crops and Products</i> , 2020 , 145, 112084	5.9	13
27	Highly efficient and selective fractionation strategy for lignocellulosic biomass with recyclable dioxane/ethylene glycol binary solvent. <i>Industrial Crops and Products</i> , 2020 , 144, 112038	5.9	12
26	Plasticized Cellulosic Films by Partial Esterification and Welding in Low-Concentration Ionic Liquid Electrolyte. <i>Biomacromolecules</i> , 2019 , 20, 2105-2114	6.9	11
25	Time-temperature superposition principle application to the hygrothermal discoloration of colored high-density polypropylene/wood composites. <i>Polymer Composites</i> , 2016 , 37, 1016-1020	3	10
24	Highly Efficient and Recyclable Metal Salt Catalyst for the Production of Biodiesel: Toward Greener Process. <i>ChemistrySelect</i> , 2017 , 2, 3775-3782	1.8	9
23	Hygrothermal aging properties of wood plastic composites made of recycled high density polypropylene as affected by inorganic pigments. <i>Polymer Engineering and Science</i> , 2015 , 55, 2127-2132	2.3	9
22	Dynamic Dielectric Properties of a Wood Liquefaction System Using Polyethylene Glycol and Glycerol. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 1123-1131	8.3	8
21	Extraction and characterization of holocellulose fibers by microwave-assisted selective liquefaction of bamboo. <i>Journal of Applied Polymer Science</i> , 2016 , 133, n/a-n/a	2.9	8
20	Transparent films by ionic liquid welding of cellulose nanofibers and polylactide: Enhanced biodegradability in marine environments. <i>Journal of Hazardous Materials</i> , 2021 , 402, 124073	12.8	8
19	Highly efficient g-C ₃ N ₄ supported ruthenium catalysts for the catalytic transfer hydrogenation of levulinic acid to liquid fuel γ -valerolactone. <i>Renewable Energy</i> , 2021 , 177, 652-662	8.1	8
18	Directional and integrated conversion of whole components in biomass for levulinates and phenolics with biphasic system. <i>Bioresource Technology</i> , 2020 , 315, 123776	11	7
17	Efficient Utilization and Conversion of Whole Components in Waste Biomass with One-Pot-Oriented Liquefaction. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 18142-18152	8.3	7
16	An immobilized molybdenum acetylacetonate complex on expanded starch for the epoxidation of stillingia oil. <i>RSC Advances</i> , 2015 , 5, 91558-91563	3.7	6

15	Liquefaction of Torrefied Wood using Microwave Irradiation. <i>Energy & Fuels</i> , 2016 , 30, 5862-5869	4.1	6
14	Preparation of carboxylated lignin-based epoxy resin with excellent mechanical properties. <i>European Polymer Journal</i> , 2021 , 150, 110389	5.2	6
13	Flame retardancy and mechanical properties of thermal plastic composite panels made from Tetra Pak waste and high-density polyethylene. <i>Polymer Composites</i> , 2016 , 37, 1797-1804	3	5
12	L-Tyrosine-Pd complex supported on Fe ₃ O ₄ magnetic nanoparticles: A new catalyst for C-C coupling and Synthesis of sulfides. <i>Applied Organometallic Chemistry</i> , 2020 , 34, e5256	3.1	5
11	Efficient Ni-Cu/AC Bimetal Catalyst for Hydrogenolysis of Lignin to Produce High-Value-Added Chemicals. <i>ChemistrySelect</i> , 2020 , 5, 10090-10097	1.8	5
10	Acid-Catalyzed Conversion of Cellulose Into Levulinic Acid With Biphasic Solvent System. <i>Frontiers in Plant Science</i> , 2021 , 12, 630807	6.2	4
9	Efficient and selective adsorption of cationic dyes with regenerated cellulose. <i>Chemical Physics Letters</i> , 2021 , 784, 139104	2.5	3
8	Collaborative Conversion of Biomass Carbohydrates into Valuable Chemicals: Catalytic Strategy and Mechanism Research. <i>Journal of Agricultural and Food Chemistry</i> , 2020 , 68, 13760-13769	5.7	3
7	Swelling and dissolution of cellulose in binary systems of three ionic liquids and three co-solvents. <i>Cellulose</i> , 2021 , 28, 4643-4653	5.5	3
6	Preparation and characterization of high-performance activated carbon from papermaking black-liquor at low temperature. <i>Journal of Analytical and Applied Pyrolysis</i> , 2021 , 159, 105292	6	3
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	7.9	2
4	Preparation of an oxyalkylated lignin-g- polylactic acid copolymer to improve the compatibility of an organosolv lignin in blended poly(lactic acid) films. <i>Journal of Applied Polymer Science</i> , 52003	2.9	1
3	In Situ Hydrodeoxygenation of Lignin-Derived Phenols With Synergistic Effect Between the Bimetal and Nb ₂ O ₅ Support. <i>Frontiers in Energy Research</i> , 2021 , 9,	3.8	1
2	Highly efficient isomerization of glucose to fructose over a novel aluminum doped graphitic carbon nitride bifunctional catalyst. <i>Journal of Cleaner Production</i> , 2022 , 346, 131144	10.3	1
1	Organosolv fractionation of a lignocellulosic biomass feedstock using a pilot scale microwave-heating reactor. <i>Industrial Crops and Products</i> , 2022 , 180, 114700	5.9	0