

# Hui Pan

## List of Publications by Year in Descending Order

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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 | Highly efficient isomerization of glucose to fructose over a novel aluminum doped graphitic carbon nitride bifunctional catalyst. <i>Journal of Cleaner Production</i> , <b>2022</b> , 346, 131144                                     | 10.3 | 1         |
| 49 | Preparation of flexible and UV-blocking films from lignin-containing cellulose incorporated with tea polyphenol/citric acid.. <i>International Journal of Biological Macromolecules</i> , <b>2022</b> , 207, 917-926                   | 7.9  | 2         |
| 48 | Organosolv fractionation of a lignocellulosic biomass feedstock using a pilot scale microwave-heating reactor. <i>Industrial Crops and Products</i> , <b>2022</b> , 180, 114700  | 5.9  | 0         |
| 47 | Efficient and selective adsorption of cationic dyes with regenerated cellulose. <i>Chemical Physics Letters</i> , <b>2021</b> , 784, 139104  | 2.5  | 3         |
| 46 | Acid-Catalyzed Conversion of Cellulose Into Levulinic Acid With Biphasic Solvent System. <i>Frontiers in Plant Science</i> , <b>2021</b> , 12, 630807  | 6.2  | 4         |
| 45 | Swelling and dissolution of cellulose in binary systems of three ionic liquids and three co-solvents. <i>Cellulose</i> , <b>2021</b> , 28, 4643-4653   | 5.5  | 3         |
| 44 | Preparation of carboxylated lignin-based epoxy resin with excellent mechanical properties. <i>European Polymer Journal</i> , <b>2021</b> , 150, 110389   | 5.2  | 6         |
| 43 | Transparent films by ionic liquid welding of cellulose nanofibers and polylactide: Enhanced biodegradability in marine environments. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 402, 124073                                 | 12.8 | 8         |
| 42 | In Situ Hydrodeoxygenation of Lignin-Derived Phenols With Synergistic Effect Between the Bimetal and Nb <sub>2</sub> O <sub>5</sub> Support. <i>Frontiers in Energy Research</i> , <b>2021</b> , 9,                                    | 3.8  | 1         |
| 41 | Preparation and characterization of high-performance activated carbon from papermaking black-liquor at low temperature. <i>Journal of Analytical and Applied Pyrolysis</i> , <b>2021</b> , 159, 105292                                 | 6    | 3         |
| 40 | Highly efficient g-C <sub>3</sub> N <sub>4</sub> supported ruthenium catalysts for the catalytic transfer hydrogenation of levulinic acid to liquid fuel $\gamma$ -valerolactone. <i>Renewable Energy</i> , <b>2021</b> , 177, 652-662 | 8.1  | 8         |
| 39 | Directional and integrated conversion of whole components in biomass for levulinates and phenolics with biphasic system. <i>Bioresource Technology</i> , <b>2020</b> , 315, 123776   | 11   | 7         |
| 38 | Super-fast degradation of high concentration methyl orange over bifunctional catalyst Fe/FeC@C with microwave irradiation. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 392, 122279   | 12.8 | 25        |
| 37 | L-Tyrosine-Pd complex supported on Fe <sub>3</sub> O <sub>4</sub> magnetic nanoparticles: A new catalyst for C-C coupling and Synthesis of sulfides. <i>Applied Organometallic Chemistry</i> , <b>2020</b> , 34, e5256                 | 3.1  | 5         |
| 36 | Maximizing utilization of poplar wood by microwave-assisted pretreatment with methanol/dioxane binary solvent. <i>Bioresource Technology</i> , <b>2020</b> , 300, 122657   | 11   | 13        |
| 35 | Highly efficient and selective fractionation strategy for lignocellulosic biomass with recyclable dioxane/ethylene glycol binary solvent. <i>Industrial Crops and Products</i> , <b>2020</b> , 144, 112038                             | 5.9  | 12        |
| 34 | Synchronous conversion of lignocellulosic polysaccharides to levulinic acid with synergic bifunctional catalysts in a biphasic cosolvent system. <i>Industrial Crops and Products</i> , <b>2020</b> , 145, 112084                      | 5.9  | 13        |

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|----|--|------|-----|
| 33 | Collaborative Conversion of Biomass Carbohydrates into Valuable Chemicals: Catalytic Strategy and Mechanism Research. <i>Journal of Agricultural and Food Chemistry</i> , <b>2020</b> , 68, 13760-13769  | 5.7  | 3   |
| 32 | Efficient Ni-Cu/AC Bimetal Catalyst for Hydrogenolysis of Lignin to Produce High-Value-Added Chemicals. <i>ChemistrySelect</i> , <b>2020</b> , 5, 10090-10097  | 1.8  | 5   |
| 31 | Plasticized Cellulosic Films by Partial Esterification and Welding in Low-Concentration Ionic Liquid Electrolyte. <i>Biomacromolecules</i> , <b>2019</b> , 20, 2105-2114   | 6.9  | 11  |
| 30 | Directional synergistic conversion of lignocellulosic biomass with matching-solvents for added-value chemicals. <i>Green Chemistry</i> , <b>2019</b> , 21, 4951-4957   | 10   | 15  |
| 29 | Efficient Utilization and Conversion of Whole Components in Waste Biomass with One-Pot-Oriented Liquefaction. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 18142-18152  | 8.3  | 7   |
| 28 | Demethylation of Alkali Lignin with Halogen Acids and Its Application to Phenolic Resins. <i>Polymers</i> , <b>2019</b> , 11,  | 4.5  | 25  |
| 27 | Facile and high-yield synthesis of methyl levulinate from cellulose. <i>Green Chemistry</i> , <b>2018</b> , 20, 1323-1334  | 10   | 64  |
| 26 | Rosin modified cellulose nanofiber as a reinforcing and co-antimicrobial agents in polylactic acid /chitosan composite film for food packaging. <i>Carbohydrate Polymers</i> , <b>2018</b> , 183, 102-109  | 10.3 | 129 |
| 25 | Simple and efficient conversion of cellulose to $\gamma$ -Valerolactone through an integrated alcoholysis/transfer hydrogenation system using Ru and aluminium sulfate catalysts. <i>Catalysis Science and Technology</i> , <b>2018</b> , 8, 6252-6262 | 5.5  | 15  |
| 24 | Highly Transparent, Strong, and Flexible Films with Modified Cellulose Nanofiber Bearing UV Shielding Property. <i>Biomacromolecules</i> , <b>2018</b> , 19, 4565-4575   | 6.9  | 44  |
| 23 | An Energy-Efficient One-Pot Swelling/Esterification Method to Prepare Cellulose Nanofibers with Uniform Diameter. <i>ChemSusChem</i> , <b>2018</b> , 11, 3714-3718   | 8.3  | 15  |
| 22 | Highly Efficient and Recyclable Metal Salt Catalyst for the Production of Biodiesel: Toward Greener Process. <i>ChemistrySelect</i> , <b>2017</b> , 2, 3775-3782   | 1.8  | 9   |
| 21 | Dynamic Dielectric Properties of a Wood Liquefaction System Using Polyethylene Glycol and Glycerol. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 1123-1131  | 8.3  | 8   |
| 20 | Enhanced Catalytic Transfer Hydrogenation of Ethyl Levulinate to $\gamma$ -Valerolactone over a Robust CuNi Bimetallic Catalyst. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 1322-1331   | 8.3  | 80  |
| 19 | Insight into Aluminum Sulfate-Catalyzed Xylan Conversion into Furfural in a $\gamma$ -Valerolactone/Water Biphasic Solvent under Microwave Conditions. <i>ChemSusChem</i> , <b>2017</b> , 10, 4066-4079  | 8.3  | 53  |
| 18 | Effects of nanocellulose on the structure and properties of poly(vinyl alcohol)-borax hybrid foams. <i>Cellulose</i> , <b>2017</b> , 24, 4433-4448   | 5.5  | 101 |
| 17 | Modification of Cellulose with Succinic Anhydride in TBAA/DMSO Mixed Solvent under Catalyst-Free Conditions. <i>Materials</i> , <b>2017</b> , 10,  | 3.5  | 16  |
| 16 | Microwave-assisted alcoholysis of furfural alcohol into alkyl levulinates catalyzed by metal salts. <i>Green Chemistry</i> , <b>2016</b> , 18, 1516-1523   | 10   | 74  |

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|----|---|------|----|
| 15 | Catalytic Transfer Hydrogenation of Furfural to 2-Methylfuran and 2-Methyltetrahydrofuran over Bimetallic Copper-Palladium Catalysts. <i>ChemSusChem</i> , <b>2016</b> , 9, 3330-3337                                 | 8.3  | 86 |
| 14 | Flame retardancy and mechanical properties of thermal plastic composite panels made from Tetra Pak waste and high-density polyethylene. <i>Polymer Composites</i> , <b>2016</b> , 37, 1797-1804                       | 3    | 5  |
| 13 | Liquefaction of Torrefied Wood using Microwave Irradiation. <i>Energy &amp; Fuels</i> , <b>2016</b> , 30, 5862-5869   | 4.1  | 6  |
| 12 | Highly efficient metal salt catalyst for the esterification of biomass derived levulinic acid under microwave irradiation. <i>RSC Advances</i> , <b>2016</b> , 6, 2106-2111   | 3.7  | 38 |
| 11 | Room-Temperature Dissolution and Mechanistic Investigation of Cellulose in a Tetra-Butylammonium Acetate/Dimethyl Sulfoxide System. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2016</b> , 4, 2286-2294     | 8.3  | 41 |
| 10 | Time-temperature superposition principle application to the hygrothermal discoloration of colored high-density polypropylene/wood composites. <i>Polymer Composites</i> , <b>2016</b> , 37, 1016-1020                 | 3    | 10 |
| 9  | Extraction and characterization of holocellulose fibers by microwave-assisted selective liquefaction of bamboo. <i>Journal of Applied Polymer Science</i> , <b>2016</b> , 133, n/a-n/a                                | 2.9  | 8  |
| 8  | 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> , <b>2016</b> , 4, 3840-3849 | 8.3  | 14 |
| 7  | Hygrothermal aging properties of wood plastic composites made of recycled high density polypropylene as affected by inorganic pigments. <i>Polymer Engineering and Science</i> , <b>2015</b> , 55, 2127-2132          | 2.3  | 9  |
| 6  | An immobilized molybdenum acetylacetonate complex on expanded starch for the epoxidation of stillingia oil. <i>RSC Advances</i> , <b>2015</b> , 5, 91558-91563  | 3.7  | 6  |
| 5  | Influence of alkenyl structures on the epoxidation of unsaturated fatty acid methyl esters and vegetable oils. <i>RSC Advances</i> , <b>2015</b> , 5, 74783-74789   | 3.7  | 16 |
| 4  | Polyols from Microwave Liquefied Bagasse and Its Application to Rigid Polyurethane Foam. <i>Materials</i> , <b>2015</b> , 8, 8496-8509  | 3.5  | 16 |
| 3  | Chemical Groups and Structural Characterization of Lignin via Thiol-Mediated Demethylation. <i>Journal of Wood Chemistry and Technology</i> , <b>2014</b> , 34, 122-134   | 2    | 37 |
| 2  | Synthesis of polymers from organic solvent liquefied biomass: A review. <i>Renewable and Sustainable Energy Reviews</i> , <b>2011</b> , 15, 3454-3463   | 16.2 | 89 |
| 1  | 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  |