

# Han-Min Wang

## 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.

23  
papers

536  
citations

14  
h-index

23  
g-index

24  
ext. papers

870  
ext. citations

7.9  
avg, IF

4.4  
L-index

#	Paper	IF	Citations
23	Revealing structural and functional specificity of lignin from tobacco stalk during deep eutectic solvents deconstruction aiming to targeted valorization. <i>Industrial Crops and Products</i> , <b>2022</b> , 180, 114696	5.9	1
22	Effect of integrated treatment on improving the enzymatic digestibility of poplar and the structural features of isolated hemicelluloses. <i>Carbohydrate Polymers</i> , <b>2021</b> , 252, 117164	10.3	15
21	Advanced and versatile lignin-derived biodegradable composite film materials toward a sustainable world. <i>Green Chemistry</i> , <b>2021</b> , 23, 3790-3817	10	30
20	Technical Lignin Valorization in Biodegradable Polyester-Based Plastics (BPPs). <i>ACS Sustainable Chemistry and Engineering</i> , <b>2021</b> , 9, 12017-12042	8.3	5
19	Value-added products from lignin: Isolation, characterization and applications <b>2021</b> , 33-55		0
18	Multiple Analysis and Characterization of Novel and Environmentally Friendly Feather Protein-Based Wood Preservatives. <i>Polymers</i> , <b>2020</b> , 12,	4.5	3
17	Structural Variations of Lignin Macromolecules from Early Growth Stages of Poplar Cell Walls. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 1813-1822	8.3	23
16	Structural and Morphological Transformations of Lignin Macromolecules during Bio-Based Deep Eutectic Solvent (DES) Pretreatment. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 2130-2137	8.3	53
15	Structural elucidation of lignin macromolecule from abaca during alkaline hydrogen peroxide delignification. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 144, 596-602	7.9	21
14	Chemosynthesis, characterization and application of lignin-based Bcculants with tunable performance prepared by short-wavelength ultraviolet initiation. <i>Industrial Crops and Products</i> , <b>2020</b> , 157, 112897	5.9	8
13	Tunable, UV-shielding and biodegradable composites based on well-characterized lignins and poly(butylene adipate-co-terephthalate). <i>Green Chemistry</i> , <b>2020</b> , 22, 8623-8632	10	18
12	Understanding the Structural Changes of Lignin Macromolecules From Balsa Wood at Different Growth Stages. <i>Frontiers in Energy Research</i> , <b>2020</b> , 8,	3.8	4
11	Insights into the Structural Changes and Potentials of Lignin from Bagasse during the Integrated Delignification Process. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 13886-13897	8.3	11
10	Structural elucidation of tobacco stalk lignin isolated by different integrated processes. <i>Industrial Crops and Products</i> , <b>2019</b> , 140, 111631	5.9	16
9	Green and Facile Preparation of Regular Lignin Nanoparticles with High Yield and Their Natural Broad-Spectrum Sunscreens. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 2658-2666	8.3	78
8	Structural Transformations of Hybrid Pennisetum Lignin: Effect of Microwave-Assisted Hydrothermal Pretreatment. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 3073-3082	8.3	9
7	Unraveling the Fate of Lignin from Eucalyptus and Poplar during Integrated Delignification and Bleaching. <i>ChemSusChem</i> , <b>2019</b> , 12, 1059-1068	8.3	26

6	Comparative study of hemicelluloses from Hybrid Pennisetum via a green and clean integrated process. <i>Carbohydrate Polymers</i> , <b>2019</b> , 205, 135-142	10.3	13
5	Amination of biorefinery technical lignins using Mannich reaction synergy with subcritical ethanol depolymerization. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 107, 426-435	7.9	31
4	Green and efficient conversion strategy of Eucalyptus based on mechanochemical pretreatment. <i>Energy Conversion and Management</i> , <b>2018</b> , 175, 112-120	10.6	23
3	Chemosynthesis and structural characterization of a novel lignin-based bio-sorbent and its strong adsorption for Pb (II). <i>Industrial Crops and Products</i> , <b>2017</b> , 108, 72-80	5.9	55
2	Structural Characteristics of Lignin Macromolecules from Different Eucalyptus Species. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 11618-11627	8.3	67
1	Assessment of integrated process based on autohydrolysis and robust delignification process for enzymatic saccharification of bamboo. <i>Bioresource Technology</i> , <b>2017</b> , 244, 717-725	11	25