

Han-Min Wang

List of Publications by Citations

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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	Green and Facile Preparation of Regular Lignin Nanoparticles with High Yield and Their Natural Broad-Spectrum Sunscreens. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 2658-2666	8.3	78
22	Structural Characteristics of Lignin Macromolecules from Different Eucalyptus Species. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 11618-11627	8.3	67
21	Chemosynthesis and structural characterization of a novel lignin-based bio-sorbent and its strong adsorption for Pb (II). <i>Industrial Crops and Products</i> , 2017 , 108, 72-80	5.9	55
20	Structural and Morphological Transformations of Lignin Macromolecules during Bio-Based Deep Eutectic Solvent (DES) Pretreatment. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 2130-2137	8.3	53
19	Amination of biorefinery technical lignins using Mannich reaction synergy with subcritical ethanol depolymerization. <i>International Journal of Biological Macromolecules</i> , 2018 , 107, 426-435	7.9	31
18	Advanced and versatile lignin-derived biodegradable composite film materials toward a sustainable world. <i>Green Chemistry</i> , 2021 , 23, 3790-3817	10	30
17	Unraveling the Fate of Lignin from Eucalyptus and Poplar during Integrated Delignification and Bleaching. <i>ChemSusChem</i> , 2019 , 12, 1059-1068	8.3	26
16	Assessment of integrated process based on autohydrolysis and robust delignification process for enzymatic saccharification of bamboo. <i>Bioresource Technology</i> , 2017 , 244, 717-725	11	25
15	Structural Variations of Lignin Macromolecules from Early Growth Stages of Poplar Cell Walls. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 1813-1822	8.3	23
14	Green and efficient conversion strategy of Eucalyptus based on mechanochemical pretreatment. <i>Energy Conversion and Management</i> , 2018 , 175, 112-120	10.6	23
13	Structural elucidation of lignin macromolecule from abaca during alkaline hydrogen peroxide delignification. <i>International Journal of Biological Macromolecules</i> , 2020 , 144, 596-602	7.9	21
12	Tunable, UV-shielding and biodegradable composites based on well-characterized lignins and poly(butylene adipate-co-terephthalate). <i>Green Chemistry</i> , 2020 , 22, 8623-8632	10	18
11	Structural elucidation of tobacco stalk lignin isolated by different integrated processes. <i>Industrial Crops and Products</i> , 2019 , 140, 111631	5.9	16
10	Effect of integrated treatment on improving the enzymatic digestibility of poplar and the structural features of isolated hemicelluloses. <i>Carbohydrate Polymers</i> , 2021 , 252, 117164	10.3	15
9	Comparative study of hemicelluloses from Hybrid Pennisetum via a green and clean integrated process. <i>Carbohydrate Polymers</i> , 2019 , 205, 135-142	10.3	13
8	Insights into the Structural Changes and Potentials of Lignin from Bagasse during the Integrated Delignification Process. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 13886-13897	8.3	11
7	Structural Transformations of Hybrid Pennisetum Lignin: Effect of Microwave-Assisted Hydrothermal Pretreatment. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 3073-3082	8.3	9

6	Chemosynthesis, characterization and application of lignin-based flocculants with tunable performance prepared by short-wavelength ultraviolet initiation. <i>Industrial Crops and Products</i> , 2020 , 157, 112897	5.9	8
5	Technical Lignin Valorization in Biodegradable Polyester-Based Plastics (BPPs). <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 12017-12042	8.3	5
4	Understanding the Structural Changes of Lignin Macromolecules From Balsa Wood at Different Growth Stages. <i>Frontiers in Energy Research</i> , 2020 , 8,	3.8	4
3	Multiple Analysis and Characterization of Novel and Environmentally Friendly Feather Protein-Based Wood Preservatives. <i>Polymers</i> , 2020 , 12,	4.5	3
2	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> , 2022 , 180, 114696	5.9	1
1	Value-added products from lignin: Isolation, characterization and applications 2021 , 33-55		0