

Han-Min Wang

List of Publications by Year in descending order

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24
papers

1,168
citations

430874

18
h-index

642732

23
g-index

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all docs

24
docs citations

24
times ranked

872
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	5.2	25
2	Fractionation of technical lignin and its application on the lignin/poly-(butylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 Td (adipate-co-209, 1065-1074.	7.5	25
3	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.	10.2	27
4	Advanced and versatile lignin-derived biodegradable composite film materials toward a sustainable world. <i>Green Chemistry</i> , 2021, 23, 3790-3817.	9.0	114
5	Technical Lignin Valorization in Biodegradable Polyester-Based Plastics (BPPs). <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 12017-12042.	6.7	33
6	Value-added products from lignin: Isolation, characterization and applications. , 2021, , 33-55.		2
7	Structural Variations of Lignin Macromolecules from Early Growth Stages of Poplar Cell Walls. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 1813-1822.	6.7	56
8	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.	6.7	131
9	Structural elucidation of lignin macromolecule from abaca during alkaline hydrogen peroxide delignification. <i>International Journal of Biological Macromolecules</i> , 2020, 144, 596-602.	7.5	51
10	Chemosynthesis, characterization and application of lignin-based γ -irradiation crosslinkers with tunable performance prepared by short-wavelength ultraviolet initiation. <i>Industrial Crops and Products</i> , 2020, 157, 112897.	5.2	20
11	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.	9.0	59
12	Understanding the Structural Changes of Lignin Macromolecules From Balsa Wood at Different Growth Stages. <i>Frontiers in Energy Research</i> , 2020, 8, .	2.3	14
13	Multiple Analysis and Characterization of Novel and Environmentally Friendly Feather Protein-Based Wood Preservatives. <i>Polymers</i> , 2020, 12, 237.	4.5	9
14	Structural elucidation of tobacco stalk lignin isolated by different integrated processes. <i>Industrial Crops and Products</i> , 2019, 140, 111631.	5.2	23
15	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.	6.7	32
16	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.	6.7	148
17	Structural Transformations of Hybrid <i>Pennisetum</i> Lignin: Effect of Microwave-Assisted Hydrothermal Pretreatment. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 3073-3082.	6.7	15
18	Unraveling the Fate of Lignin from Eucalyptus and Poplar during Integrated Delignification and Bleaching. <i>ChemSusChem</i> , 2019, 12, 1059-1068.	6.8	37

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19	Comparative study of hemicelluloses from Hybrid Pennisetum via a green and clean integrated process. Carbohydrate Polymers, 2019, 205, 135-142.	10.2	18
20	Amination of biorefinery technical lignins using Mannich reaction synergy with subcritical ethanol depolymerization. International Journal of Biological Macromolecules, 2018, 107, 426-435.	7.5	45
21	Green and efficient conversion strategy of Eucalyptus based on mechanochemical pretreatment. Energy Conversion and Management, 2018, 175, 112-120.	9.2	39
22	Chemosynthesis and structural characterization of a novel lignin-based bio-sorbent and its strong adsorption for Pb (II). Industrial Crops and Products, 2017, 108, 72-80.	5.2	88
23	Structural Characteristics of Lignin Macromolecules from Different <i>Eucalyptus</i> Species. ACS Sustainable Chemistry and Engineering, 2017, 5, 11618-11627.	6.7	122
24	Assessment of integrated process based on autohydrolysis and robust delignification process for enzymatic saccharification of bamboo. Bioresource Technology, 2017, 244, 717-725.	9.6	35