

Ji Shi

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

520
citations

687363

13
h-index

839539

18
g-index

19
all docs

19
docs citations

19
times ranked

478
citing authors

#	ARTICLE	IF	CITATIONS
1	Economically Competitive Biodegradable PBAT/Lignin Composites: Effect of Lignin Methylation and Compatibilizer. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 5338-5346.	6.7	113
2	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
3	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
4	Selective precipitation and characterization of lignin-carbohydrate complexes (LCCs) from <i>Eucalyptus</i> . <i>Planta</i> , 2018, 247, 1077-1087.	3.2	39
5	Design of a Superhydrophobic Strain Sensor with a Multilayer Structure for Human Motion Monitoring. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 1874-1884.	8.0	37
6	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
7	Effect of various pretreatments on improving cellulose enzymatic digestibility of tobacco stalk and the structural features of co-produced hemicelluloses. <i>Bioresource Technology</i> , 2020, 297, 122471.	9.6	30
8	Modified TiO ₂ particles for heterogeneous photocatalysis under solar irradiation. <i>Materials Letters</i> , 2020, 279, 128472.	2.6	25
9	Synthesis and characterization of waterborne polyurethane/polyhedral oligomeric silsesquioxane composites with low dielectric constants. <i>Polymers for Advanced Technologies</i> , 2019, 30, 2313-2320.	3.2	20
10	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.	5.2	20
11	Efficient and Product-Controlled Depolymerization of Lignin Oriented by Raney Ni Cooperated with Cs ₃ HW ₁₂ O ₄₀ . <i>Bioenergy Research</i> , 2017, 10, 1155-1162.	3.9	16
12	Structural Features of Alkaline Dioxane Lignin and Residual Lignin from <i>Eucalyptus grandis</i> and <i>Eucalyptus urophylla</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 968-974.	5.2	16
13	Structural Transformations of Hybrid Pennisetum Lignin: Effect of Microwave-Assisted Hydrothermal Pretreatment. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 3073-3082.	6.7	15
14	Revealing the Topochemistry and Structural Features of Lignin during the Growth of <i>Eucalyptus grandis</i> and <i>Eucalyptus urophylla</i> . <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 9198-9207.	6.7	13
15	Migration Prediction Model of Residual Contaminants from Food Packaging Paper and its Experimental Verification. <i>Packaging Technology and Science</i> , 2013, 26, 59-69.	2.8	9
16	Upgrading Traditional Pulp Mill into Biorefinery Platform: Wheat Straw as a Feedstock. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 15284-15291.	6.7	9
17	Anti-algal activity of a fluorine-doped titanium oxide photocatalyst against <i>Microcystis aeruginosa</i> and its photocatalytic degradation. <i>New Journal of Chemistry</i> , 2021, 45, 17483-17492.	2.8	8
18	Facile Fabrication of Durable Biochar/H ₂ -TiO ₂ for Highly Efficient Solar-Driven Degradation of Enrofloxacin: Properties, Degradation Pathways, and Mechanism. <i>ACS Omega</i> , 2022, 7, 12158-12170.	3.5	8

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19	Study on synthesis of cationic wet-strengthening agent with cassava starch used in paper making process. , 2011, , .		0