

Cuiyun Liu

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.

27
papers

890
citations

17
h-index

27
g-index

27
ext. papers

1,188
ext. citations

7.3
avg, IF

4.99
L-index

#	Paper	IF	Citations
27	Fractionation of alkali-extracted lignin from steam-exploded stalk by gradient acid precipitation. <i>Separation and Purification Technology</i> , 2013 , 105, 98-105	8.3	99
26	Enhancing the solubility and antioxidant activity of high-molecular-weight lignin by moderate depolymerization via in situ ethanol/acid catalysis. <i>Industrial Crops and Products</i> , 2019 , 128, 177-185	5.9	82
25	Fractionation of enzymatic hydrolysis lignin by sequential extraction for enhancing antioxidant performance. <i>International Journal of Biological Macromolecules</i> , 2017 , 99, 674-681	7.9	80
24	Fractionation and characterization of lignin from steam-exploded corn stalk by sequential dissolution in ethanol/water solvent. <i>Separation and Purification Technology</i> , 2013 , 120, 402-409	8.3	70
23	One-pot lignin depolymerization and activation by solid acid catalytic phenolation for lightweight phenolic foam preparation. <i>Industrial Crops and Products</i> , 2018 , 124, 216-225	5.9	60
22	Carbohydrate elimination of alkaline-extracted lignin liquor by steam explosion and its methylation for substitution of phenolic adhesive. <i>Industrial Crops and Products</i> , 2014 , 53, 93-101	5.9	57
21	Novel lignin-based phenolic nanosphere supported palladium nanoparticles with highly efficient catalytic performance and good reusability. <i>Industrial Crops and Products</i> , 2020 , 145, 112164	5.9	56
20	Preparation and Characterization of Chitosan by a Novel Deacetylation Approach Using Glycerol as Green Reaction Solvent. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 4690-4698	8.3	49
19	Using Green γ -Valerolactone/Water Solvent To Decrease Lignin Heterogeneity by Gradient Precipitation. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 10112-10120	8.3	40
18	Lignin Fractionation for Reduced Heterogeneity in Self-Assembly Nanosizing: Toward Targeted Preparation of Uniform Lignin Nanoparticles with Small Size. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 9174-9183	8.3	34
17	Enhanced lignin extraction process from steam exploded corn stalk. <i>Separation and Purification Technology</i> , 2016 , 157, 93-101	8.3	33
16	Subdivision of bamboo kraft lignin by one-step ethanol fractionation to enhance its water-solubility and antibacterial performance. <i>International Journal of Biological Macromolecules</i> , 2019 , 133, 156-164	7.9	31
15	Synthesis of lignin-functionalized phenolic nanosphere supported Ag nanoparticles with excellent dispersion stability and catalytic performance. <i>Green Chemistry</i> , 2020 , 22, 2879-2888	10	30
14	Successive ethanol/water fractionation of enzymatic hydrolysis lignin to concentrate its antimicrobial activity. <i>Journal of Chemical Technology and Biotechnology</i> , 2018 , 93, 2977-2987	3.5	28
13	Lignin fractionation: Effective strategy to reduce molecule weight dependent heterogeneity for upgraded lignin valorization. <i>Industrial Crops and Products</i> , 2021 , 165, 113442	5.9	24
12	Lignin as a Novel Tyrosinase Inhibitor: Effects of Sources and Isolation Processes. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 9510-9518	8.3	23
11	Mild One-Pot Lignocellulose Fractionation Based on Acid-Catalyzed Biphasic Water/Phenol System to Enhance Components' Processability. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 2772-2782	8.3	17

10	Functionality study of lignin as a tyrosinase inhibitor: Influence of lignin heterogeneity on anti-tyrosinase activity. <i>International Journal of Biological Macromolecules</i> , 2019 , 128, 107-113	7.9	14
9	Fabrication of lignin nanospheres by emulsification in a binary Valerolactone/glycerol system and their application as a bifunctional reducer and carrier for Pd nanoparticles with enhanced catalytic activity. <i>Green Chemistry</i> , 2020 , 22, 8594-8603	10	14
8	Improved high-solid loading enzymatic hydrolysis of steam exploded corn stalk using rapid room temperature Valerolactone delignification. <i>Industrial Crops and Products</i> , 2021 , 165, 113389	5.9	13
7	Using Lignin Monomer As a Novel Capping Agent for Efficient Acid-Catalyzed Depolymerization of High Molecular Weight Lignin to Improve Its Antioxidant Activity. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 9104-9114	8.3	12
6	Stepwise Ethanol-Water Fractionation of Enzymatic Hydrolysis Lignin to Improve Its Performance as a Cationic Dye Adsorbent. <i>Molecules</i> , 2020 , 25,	4.8	10
5	Tyrosinase inhibitory performance of hydrolysate from post-washing liquor of steam exploded corn stalk and its fractionation enhancement. <i>Industrial Crops and Products</i> , 2020 , 154, 112652	5.9	6
4	Reduction of lignin heterogeneity using aqueous two-phase system: A facile and universal "one-step-three-fractions" approach. <i>International Journal of Biological Macromolecules</i> , 2021 , 186, 341-350	7.9	3
3	Facile and scalable preparation of cage-like mesoporous carbon from lignin-based phenolic resin and its application in supercapacitor electrodes. <i>Carbon</i> , 2022 , 196, 819-827	10.4	3
2	Reduction of lignin heterogeneity for improved catalytic performance of lignin nanosphere supported Pd nanoparticles. <i>Industrial Crops and Products</i> , 2022 , 180, 114685	5.9	1
1	Novel Surfactant-Assisted Hydrothermal Fabrication of a Lignin Microsphere as a Green Reducer and Carrier for Pd Nanoparticles. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 17085-17095	8.3	1