

# Cuiyun Liu

## List of Publications by Year in descending order

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Version: 2024-02-01

27  
papers

1,554  
citations

361045

20  
h-index

525886

27  
g-index

27  
all docs

27  
docs citations

27  
times ranked

1297  
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	2.5	129
2	Fractionation of alkali-extracted lignin from steam-exploded stalk by gradient acid precipitation. <i>Separation and Purification Technology</i> , 2013, 105, 98-105.	3.9	127
3	Fractionation of enzymatic hydrolysis lignin by sequential extraction for enhancing antioxidant performance. <i>International Journal of Biological Macromolecules</i> , 2017, 99, 674-681.	3.6	115
4	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.	3.9	97
5	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.	3.2	94
6	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.	2.5	94
7	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.	5.4	91
8	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.	2.5	82
9	Lignin fractionation: Effective strategy to reduce molecule weight dependent heterogeneity for upgraded lignin valorization. <i>Industrial Crops and Products</i> , 2021, 165, 113442.	2.5	78
10	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.	2.5	76
11	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.	3.2	73
12	Synthesis of lignin-functionalized phenolic nanosphere supported Ag nanoparticles with excellent dispersion stability and catalytic performance. <i>Green Chemistry</i> , 2020, 22, 2879-2888.	4.6	71
13	Using Green $\gamma$ -Valerolactone/Water Solvent To Decrease Lignin Heterogeneity by Gradient Precipitation. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 10112-10120.	3.2	68
14	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.	3.6	53
15	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.	1.6	45
16	Enhanced lignin extraction process from steam exploded corn stalk. <i>Separation and Purification Technology</i> , 2016, 157, 93-101.	3.9	39
17	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.	3.2	34
18	Lignin as a Novel Tyrosinase Inhibitor: Effects of Sources and Isolation Processes. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 9510-9518.	3.2	33

#	ARTICLE	IF	CITATIONS
19	Fabrication of lignin nanospheres by emulsification in a binary $\gamma$ -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.	4.6	32
20	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.	3.2	23
21	Improved high-solid loading enzymatic hydrolysis of steam exploded corn stalk using rapid room temperature $\gamma$ -valerolactone delignification. <i>Industrial Crops and Products</i> , 2021, 165, 113389.	2.5	21
22	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.	3.6	20
23	Stepwise Ethanol-Water Fractionation of Enzymatic Hydrolysis Lignin to Improve Its Performance as a Cationic Dye Adsorbent. <i>Molecules</i> , 2020, 25, 2603.	1.7	15
24	Reduction of lignin heterogeneity for improved catalytic performance of lignin nanosphere supported Pd nanoparticles. <i>Industrial Crops and Products</i> , 2022, 180, 114685.	2.5	15
25	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.	2.5	13
26	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.	3.6	10
27	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.	3.2	6