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List of Publications by Year
in descending order

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27 papers	1,554 citations	361413 20 h-index	526287 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. Industrial Crops and Products, 2019, 128, 177-185.	5.2	129
2	Fractionation of alkali-extracted lignin from steam-exploded stalk by gradient acid precipitation. Separation and Purification Technology, 2013, 105, 98-105.	7.9	127
3	Fractionation of enzymatic hydrolysis lignin by sequential extraction for enhancing antioxidant performance. International Journal of Biological Macromolecules, 2017, 99, 674-681.	7.5	115
4	Fractionation and characterization of lignin from steam-exploded corn stalk by sequential dissolution in ethanolâ€“water solvent. Separation and Purification Technology, 2013, 120, 402-409.	7.9	97
5	Lignin Fractionation for Reduced Heterogeneity in Self-Assembly Nanosizing: Toward Targeted Preparation of Uniform Lignin Nanoparticles with Small Size. ACS Sustainable Chemistry and Engineering, 2020, 8, 9174-9183.	6.7	94
6	Novel lignin-based phenolic nanosphere supported palladium nanoparticles with highly efficient catalytic performance and good reusability. Industrial Crops and Products, 2020, 145, 112164.	5.2	94
7	Facile and scalable preparation of cage-like mesoporous carbon from lignin-based phenolic resin and its application in supercapacitor electrodes. Carbon, 2022, 196, 819-827.	10.3	91
8	One-pot lignin depolymerization and activation by solid acid catalytic phenolation for lightweight phenolic foam preparation. Industrial Crops and Products, 2018, 124, 216-225.	5.2	82
9	Lignin fractionation: Effective strategy to reduce molecule weight dependent heterogeneity for upgraded lignin valorization. Industrial Crops and Products, 2021, 165, 113442.	5.2	78
10	Carbohydrate elimination of alkaline-extracted lignin liquor by steam explosion and its methylolation for substitution of phenolic adhesive. Industrial Crops and Products, 2014, 53, 93-101.	5.2	76
11	Preparation and Characterization of Chitosan by a Novel Deacetylation Approach Using Glycerol as Green Reaction Solvent. ACS Sustainable Chemistry and Engineering, 2017, 5, 4690-4698.	6.7	73
12	Synthesis of lignin-functionalized phenolic nanosphere supported Ag nanoparticles with excellent dispersion stability and catalytic performance. Green Chemistry, 2020, 22, 2879-2888.	9.0	71
13	Using Green Î³-Valerolactone/Water Solvent To Decrease Lignin Heterogeneity by Gradient Precipitation. ACS Sustainable Chemistry and Engineering, 2019, 7, 10112-10120.	6.7	68
14	Subdivision of bamboo kraft lignin by one-step ethanol fractionation to enhance its water-solubility and antibacterial performance. International Journal of Biological Macromolecules, 2019, 133, 156-164.	7.5	53
15	Successive ethanolâ€“water fractionation of enzymatic hydrolysis lignin to concentrate its antimicrobial activity. Journal of Chemical Technology and Biotechnology, 2018, 93, 2977-2987.	3.2	45
16	Enhanced lignin extraction process from steam exploded corn stalk. Separation and Purification Technology, 2016, 157, 93-101.	7.9	39
17	Mild One-Pot Lignocellulose Fractionation Based on Acid-Catalyzed Biphasic Water/Phenol System to Enhance Componentsâ€™ Processability. ACS Sustainable Chemistry and Engineering, 2020, 8, 2772-2782.	6.7	34
18	Lignin as a Novel Tyrosinase Inhibitor: Effects of Sources and Isolation Processes. ACS Sustainable Chemistry and Engineering, 2018, 6, 9510-9518.	6.7	33

#	Article	IF	Citations
19	Fabrication of lignin nanospheres by emulsification in a binary Î³-valerolactone/glycerol system and their application as a bifunctional reducer and carrier for Pd nanoparticles with enhanced catalytic activity. Green Chemistry, 2020, 22, 8594-8603.	9.0	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. ACS Sustainable Chemistry and Engineering, 2020, 8, 9104-9114.	6.7	23
21	Improved high-solid loading enzymatic hydrolysis of steam exploded corn stalk using rapid room temperature Î³-valerolactone delignification. Industrial Crops and Products, 2021, 165, 113389.	5.2	21
22	Functionality study of lignin as a tyrosinase inhibitor: Influence of lignin heterogeneity on anti-tyrosinase activity. International Journal of Biological Macromolecules, 2019, 128, 107-113.	7.5	20
23	Stepwise Ethanol-Water Fractionation of Enzymatic Hydrolysis Lignin to Improve Its Performance as a Cationic Dye Adsorbent. Molecules, 2020, 25, 2603.	3.8	15
24	Reduction of lignin heterogeneity for improved catalytic performance of lignin nanosphere supported Pd nanoparticles. Industrial Crops and Products, 2022, 180, 114685.	5.2	15
25	Tyrosinase inhibitory performance of hydrolysate from post-washing liquor of steam exploded corn stalk and its fractionation enhancement. Industrial Crops and Products, 2020, 154, 112652.	5.2	13
26	Reduction of lignin heterogeneity using aqueous two-phase system: A facile and universal â€œone-step-three-fractionsâ€•approach. International Journal of Biological Macromolecules, 2021, 186, 341-350.	7.5	10
27	Novel Surfactant-Assisted Hydrothermal Fabrication of a Lignin Microsphere as a Green Reducer and Carrier for Pd Nanoparticles. ACS Sustainable Chemistry and Engineering, 2021, 9, 17085-17095.	6.7	6