Xinping Ouyang

List of Publications by Year
in descending order

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43 papers	1,563 citations	361413 20 h-index	302126 39 g-index
43 all docs	43 docs citations	43 times ranked	1633 citing authors

#	Article	IF	Citations
1	Sulfonation of Alkali Lignin and Its Potential Use in Dispersant for Cement. Journal of Dispersion Science and Technology, 2009, 30, 1-6.	2.4	171
2	Physicochemical characterization of calcium lignosulfonateâ€"A potentially useful water reducer. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2006, 282-283, 489-497.	4.7	122
3	In Situ Preparation of Ru@N-Doped Carbon Catalyst for the Hydrogenolysis of Lignin To Produce Aromatic Monomers. ACS Catalysis, 2019, 9, 5828-5836.	11.2	110
4	Corrosion and Scale Inhibition Properties of Sodium Lignosulfonate and Its Potential Application in Recirculating Cooling Water System. Industrial & Engineering Chemistry Research, 2006, 45, 5716-5721.	3.7	98
5	Effect of solvent on hydrothermal oxidation depolymerization of lignin for the production of monophenolic compounds. Fuel Processing Technology, 2016, 144, 181-185.	7.2	97
6	Microwave assisted liquefaction of wheat straw alkali lignin for the production of monophenolic compounds. Journal of Energy Chemistry, 2015, 24, 72-76.	12.9	70
7	Depolymerization of lignin by microwave-assisted methylation of benzylic alcohols. Bioresource Technology, 2016, 218, 718-722.	9.6	66
8	The feasibility of synthetic surfactant as an air entraining agent for the cement matrix. Construction and Building Materials, 2008, 22, 1774-1779.	7.2	65
9	Adsorption Characteristics of Lignosulfonates in Salt-Free and Salt-Added Aqueous Solutions. Biomacromolecules, 2011, 12, 3313-3320.	5.4	64
10	Effect of structural characteristics on the depolymerization of lignin into phenolic monomers. Fuel, 2018, 223, 366-372.	6.4	55
11	Microwave-assisted selective cleavage of C C bond for lignin depolymerization. Fuel Processing Technology, 2017, 161, 155-161.	7.2	45
12	Photoluminescent Composites of Lanthanide-Based Nanocrystal-Functionalized Cellulose Fibers for Anticounterfeiting Applications. ACS Sustainable Chemistry and Engineering, 2018, 6, 13960-13967.	6.7	45
13	Ethanol-Enhanced Liquefaction of Lignin with Formic Acid as an in Situ Hydrogen Donor. Energy & Fuels, 2015, 29, 5835-5840.	5.1	41
14	Effect of functional groups on hydrogenolysis of lignin model compounds. Fuel Processing Technology, 2016, 154, 132-138.	7.2	39
15	Effect of Cholesterol on Cellular Uptake of Cancer Drugs Pirarubicin and Ellipticine. Journal of Physical Chemistry B, 2016, 120, 3148-3156.	2.6	38
16	Improving antioxidant activity of lignin by hydrogenolysis. Industrial Crops and Products, 2018, 125, 228-235.	5.2	36
17	Insights into the effect of aggregation on lignin fluorescence and its application for microstructure analysis. International Journal of Biological Macromolecules, 2020, 154, 981-988.	7.5	36
18	Impact of nitrogen species and content on the catalytic activity to Câ€"O bond cleavage of lignin over N-doped carbon supported Ru-based catalyst. Fuel, 2020, 278, 118324.	6.4	26

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19	Selective cleavage of aryl ether bonds in dimeric lignin model compounds. RSC Advances, 2016, 6, 17880-17887.	3.6	24
20	Hydrogenolysis of lignin to produce aromatic monomers over Fe Pd bimetallic catalyst supported on HZSM-5. Fuel Processing Technology, 2021, 213, 106713.	7.2	24
21	Long-Acting Ultraviolet-Blocking Mechanism of Lignin: Generation and Transformation of Semiquinone Radicals. ACS Sustainable Chemistry and Engineering, 2022, 10, 5421-5429.	6.7	22
22	Preparation of Light-Colored Lignosulfonate Sunscreen Microcapsules with Strengthened UV-Blocking and Adhesion Performance. ACS Sustainable Chemistry and Engineering, 2022, 10, 9381-9388.	6.7	22
23	Extraction of Noncondensed Lignin from Poplar Sawdusts with p-Toluenesulfonic Acid and Ethanol. Journal of Agricultural and Food Chemistry, 2021, 69, 10838-10847.	5.2	20
24	Nonconventional photoluminescence from sulfonated acetoneâ€“formaldehyde condensate with aggregation-enhanced emission. RSC Advances, 2016, 6, 47632-47636.	3.6	19
25	Catalytic upgrading of biopolyols derived from liquefaction of wheat straw over a high-performance and stable supported amorphous alloy catalyst. Energy Conversion and Management, 2018, 156, 130-139.	9.2	18
26	Physicochemical Behavior of Sulphonated Acetone-Formaldehyde Resin and Naphthalene Sulfonate-Formaldehyde Condensate in Coal-Water Interface. Journal of Dispersion Science and Technology, 2009, 30, 353-360.	2.4	16
27	Lignosulfonate: A Convenient Fluorescence Resonance Energy Transfer Platform for the Construction of a Ratiometric Fluorescence pH-Sensing Probe. Journal of Agricultural and Food Chemistry, 2019, 67, 1044-1051.	5.2	15
28	Separation of short-chain glucan oligomers from molten salt hydrate and hydrolysis to glucose. Green Chemistry, 2021, 23, 4114-4124.	9.0	15
29	Lignin â€" a promising biomass resource. Tappi Journal, 2018, 17, 125-141.	0.5	15
30	Mild hydrodeoxygenation of lignin-derived bio-oils to hydrocarbons over bifunctional ZrP2O7-Ni12P5 catalysts. Fuel, 2022, 313, 123044.	6.4	15
31	Fabricating nickel phyllosilicate-like nanosheets to prepare a defect-rich catalyst for the one-pot conversion of lignin into hydrocarbons under mild conditions. Green Chemistry, 2022, 24, 846-857.	9.0	15
32	Oxidative depolymerization of lignin improved by enzymolysis pretreatment with laccase. Journal of Energy Chemistry, 2018, 27, 801-805.	12.9	14
33	Chemical modification of lignin assisted by microwave irradiation. Holzforschung, 2011, 65, .	1.9	13
34	Adsorption-Enhanced Glucan Oligomer Production from Cellulose Hydrolysis over Hyper-Cross-Linked Polymer in Molten Salt Hydrate. ACS Applied Materials & Interfaces, 2021, 13, 52082-52091.	8.0	12
35	Effect of Benzyl Functionality on Microwave-Assisted Cleavage of C_{Î±}â€“C_{Î²} Bonds in Lignin Model Compounds. Journal of Physical Chemistry C, 2017, 121, 1537-1545.	3.1	10
36	Microwave-assisted oxidative digestion of lignin with hydrogen peroxide for TOC and color removal. Water Science and Technology, 2015, 71, 390-396.	2.5	9

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37	Furfural hydrogenation over amorphous alloy catalysts prepared by different reducing agents. BioResources, 2017, 12, 8755-8774.	1.0	9
38	Metalloporphyrin as a Biomimetic Catalyst for the Catalytic Oxidative Degradation of Lignin to Produce Aromatic Monomers. Waste and Biomass Valorization, 2020, 11, 4481-4489.	3.4	8
39	Lignin Removal from Tobacco Stem with Laccase Improved by Synergistic Action of Weak Alkali and Tween 80. Waste and Biomass Valorization, 2019, 10, 3343-3350.	3.4	7
40	Production of water-soluble sugar from cellulose and corn stover via molten salt hydrate impregnation and separation. Cellulose, 2022, 29, 879-891.	4.9	7
41	Improvement on the catalytic performances of butyl levulinate hydrogenation to Î³-valerolactone over self-regenerated CuNiCoB/Palygorskite catalyst. Molecular Catalysis, 2021, 504, 111483.	2.0	4
42	pH EFFECT ON ELECTROSTATIC LAYER-BY-LAYER SELF-ASSEMBLY OF SODIUM LIGNOSULFONATE. Acta Polymerica Sinica, 2010, 010, 699-704.	0.0	4
43	Liquidâ€“Liquid Equilibrium Data for Cyclohexaneâ€“Ethanolâ€“Solvent Ternary Systems and Their Correlation with the Nonrandom Two-Liquid Model. Journal of Chemical & Engineering Data, 2021, 66, 4384-4390.	1.9	2