

Wenli Song

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Process Simulation Development of Coal Combustion in a Circulating Fluidized Bed Combustor Based on Aspen Plus. <i>Energy & Fuels</i> , 2011, 25, 1721-1730.	5.1	41
2	Pyrolysis of antibiotic mycelial dreg and characterization of obtained gas, liquid and biochar. <i>Journal of Hazardous Materials</i> , 2021, 402, 123826.	12.4	35
3	A Comparison of Monomeric Phenols Produced from Lignin by Fast Pyrolysis and Hydrothermal Conversions. <i>International Journal of Chemical Reactor Engineering</i> , 2013, 11, 135-145.	1.1	32
4	NO Reduction in Decoupling Combustion of Biomass and Biomass-Coal Blend. <i>Energy & Fuels</i> , 2009, 23, 224-228.	5.1	30
5	Density Functional Theory Study of the Role of a Carbon-Oxygen Single Bond Group in the NO-Char Reaction. <i>Energy & Fuels</i> , 2018, 32, 7734-7744.	5.1	27
6	Conversion of furan derivatives for preparation of biofuels over Ni-Cu/C catalyst. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2017, 39, 1176-1181.	2.3	21
7	In-situ hydrodeoxygenation of furfural to furans over supported Ni catalysts in aqueous solution. <i>Korean Journal of Chemical Engineering</i> , 2019, 36, 1235-1242.	2.7	20
8	Thermogravimetric analysis on gasification reactivity of Hailar lignite. <i>Journal of Thermal Analysis and Calorimetry</i> , 2012, 109, 337-343.	3.6	16
9	Coal Pyrolysis in a Laboratory-Scale Two-Stage Reactor: Catalytic Upgrading of Pyrolytic Vapors. <i>Chemical Engineering and Technology</i> , 2014, 37, 2135-2142.	1.5	15
10	Mass transfer and reaction performance of the downer and its hydrodynamic explanation. <i>Canadian Journal of Chemical Engineering</i> , 2008, 86, 436-447.	1.7	13
11	Process Simulation of Emission and Control for NO and N ₂ O during Coal Combustion in a Circulating Fluidized Bed Combustor Based on Aspen Plus. <i>Energy & Fuels</i> , 2011, 25, 3718-3730.	5.1	12
12	Component fractionation of wood-tar by column chromatography with the packing material of silica gel. <i>Science Bulletin</i> , 2011, 56, 1434-1441.	1.7	12
13	Cyclic CO ₂ capture performance of carbide slag. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2016, 38, 577-582.	2.3	12
14	Pyrolysis of cellulose under catalysis of SAPO-34, ZSM-5, and Y zeolite via the Py-GC/MS method. <i>International Journal of Green Energy</i> , 2016, 13, 853-858.	3.8	12
15	Residence Time Distribution of Particles in a Screw Feeder: Experimental and Modelling Study. <i>Canadian Journal of Chemical Engineering</i> , 2015, 93, 1635-1642.	1.7	11
16	Preparation of furans from catalytic conversion of corn stover in H ₂ O-THF co-solvent system - The effects of acids combined with alkali metal cations. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019, 97, 105-111.	5.3	9
17	Characterization of Solid Residues from Entrained Flow Gasification of Coal Bio-Oil Slurry. <i>Energy & Fuels</i> , 2020, 34, 5900-5906.	5.1	8
18	Efficient Conversion of Cellulose to 5-Hydroxymethylfurfural in NaHSO ₄ /ZrO ₂ /H ₂ O-THF Biphasic System. <i>ChemistrySelect</i> , 2018, 3, 12243-12249.	1.5	7

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19	Pyrolysis of heavy tar for improving the yield of light components through a microwave pyrolysis reactor. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2019, 41, 2786-2794.	2.3	7
20	Density Functional Theory Study on the Initial Reactions of D-Xylose and D-Xylulose Dehydration to Furfural. <i>Carbohydrate Research</i> , 2021, 511, 108463.	2.3	6
21	Catalytic pyrolysis of corn straw for deoxygenation of bio-oil with different types of catalysts. <i>Korean Journal of Chemical Engineering</i> , 2022, 39, 1240-1247.	2.7	6
22	Influence of the Gas and Particle Residence Time on Fast Pyrolysis of Lignite. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , 2007, 129, 152-158.	2.3	4
23	Catalytic Upgrading of Phenolic Oil by Etherification with Methanol. <i>Chemical Engineering and Technology</i> , 2016, 39, 1797-1803.	1.5	4
24	Wood-Tar Fractionation by Column Chromatography with an Adsorbent of Acidic Al_2O_3 . <i>International Journal of Green Energy</i> , 2014, 11, 320-328.	3.8	3
25	Characterization of transverse mixing in a screw mixer by image analysis. <i>Drying Technology</i> , 2016, 34, 194-205.	3.1	2
26	Fuel gas production from dusty tar pyrolysis. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2018, 40, 2745-2752.	2.3	2
27	Staged Condensation of Coal Tar from the Pyrolysis of Coal in a Screw Pyrolyzer. <i>Chemical Engineering and Technology</i> , 2020, 43, 1442-1450.	1.5	2
28	Two-step etherification of phenolic-oil with methanol under catalysis of alumina-supported metal salts. <i>New Journal of Chemistry</i> , 2019, 43, 8250-8259.	2.8	1
29	Investigation on the water-washing of corn straw for de-ash, de-chlorination, and increase of heating value through response surface methodology. <i>Biomass Conversion and Biorefinery</i> , 2024, 14, 2129-2140.	4.6	0