Karnowo

List of Publications by Year in Descending Order

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Version: 2024-04-20

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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.

69 papers	1,103 citations	20 h-index	31 g-index
76 ext. papers	1,708 ext. citations	6.5 avg, IF	4.97 L-index

#	Paper	IF	Citations
69	Binder free 3D core-shell NiFe layered double hydroxide (LDH) nanosheets (NSs) supported on Cu foam as a highly efficient non-enzymatic glucose sensor.. *Journal of Colloid and Interface Science*, **2022**, 615, 865-875	9.3	2
68	Volatile-char interactions during biomass pyrolysis: Reactor design toward product control. *Renewable Energy*, **2022**, 185, 1-7	8.1	2
67	Involvement of the organics in aqueous phase of bio-oil in hydrothermal carbonization of lignin.. *Bioresource Technology*, **2022**, 127055	11	1
66	Pyrolysis of cellulose: Correlation of hydrophilicity with evolution of functionality of biochar.. *Science of the Total Environment*, **2022**, 825, 153959	10.2	0
65	Highly dispersive Ru confined in porous ultrathin g-CN nanosheets as an efficient peroxymonosulfate activator for removal of organic pollutants.. *Journal of Hazardous Materials*, **2022**, 435, 128939	12.8	3
64	Activation of waste paper: Influence of varied chemical agents on product properties.. *Waste Management*, **2022**, 146, 94-105	8.6	1
63	Production of methyl levulinate from cellulose over cobalt disulfide: The importance of the crystal facet (111). *Bioresource Technology*, **2021**, 347, 126436	11	0
62	Research progress on the preparation and application of biomass derived methyl levulinate. *Green Chemistry*, **2021**, 23, 9254-9282	10	4
61	Cross-interaction of volatiles from co-pyrolysis of lignin with pig manure and their effects on properties of the resulting biochar. *Biochar*, **2021**, 3, 391-405	10	1
60	Effects of the molecular structure from pitch fractions on the properties of pitch-based electrospun nanofibers. *Journal of Applied Polymer Science*, **2021**, 138, 50728	2.9	3
59	Hydrogenation of biomass derivatives over Ni/clay catalyst: significant impacts of the treatment of clay with NaOH on the reaction network. *Journal of Chemical Technology and Biotechnology*, **2021**, 96, 2569-2578	3.5	2
58	Selective Conversion of Furfural into Diols over Co-Based Catalysts: Importance of the Coordination of Hydrogenation Sites and Basic Sites. *Industrial & Engineering Chemistry Research*, **2021**, 60, 10393-10406	3.9	1
57	Preparation and electrochemical performance of activated carbon microspheres from recycled novolak phenol formaldehyde. *Waste Management*, **2021**, 120, 635-641	8.6	0
56	Synergetic effects of hydrogenation and acidic sites in phosphorus-modified nickel catalysts for the selective conversion of furfural to cyclopentanone. *Catalysis Science and Technology*, **2021**, 11, 575-593	5.5	9
55	Conversion and transformation of N species during pyrolysis of wood-based panels: A review. *Environmental Pollution*, **2021**, 270, 116120	9.3	16
54	Fates of heavy organics of bio-oil in hydrotreatment: The key challenge in the way from biomass to biofuel. *Science of the Total Environment*, **2021**, 778, 146321	10.2	5
53	Co-hydrothermal carbonization of swine and chicken manure: Influence of cross-interaction on hydrochar and liquid characteristics. *Science of the Total Environment*, **2021**, 786, 147381	10.2	9

52	Decomposition of benzyl phenyl ether over char-supported Ni: The effect of char structures. *Fuel Processing Technology*, **2021**, 221, 106941	7.2	4
51	Co-hydrothermal carbonization of swine manure and cellulose: Influence of mutual interaction of intermediates on properties of the products. *Science of the Total Environment*, **2021**, 791, 148134	10.2	3
50	In situ characterization of functional groups of biochar in pyrolysis of cellulose. *Science of the Total Environment*, **2021**, 799, 149354	10.2	8
49	N Evolution and Physiochemical Structure Changes in Chars during Co-Pyrolysis: Effects of Abundance of Glucose in Fiberboard. *Energies*, **2020**, 13, 5105	3.1	2
48	Volatile-char interactions during biomass pyrolysis: Contribution of amino group on graphitized carbon nanotube to xylose evolution based on experimental and theoretical studies. *Fuel*, **2020**, 282, 118921	7.1	12
47	Benign-by-design N-doped carbonaceous materials obtained from the hydrothermal carbonization of sewage sludge for supercapacitor applications. *Green Chemistry*, **2020**, 22, 3885-3895	10	39
46	A new method for removal of nitrogen in sewage sludge-derived hydrochar with hydrotalcite as the catalyst. *Journal of Hazardous Materials*, **2020**, 398, 122833	12.8	27
45	Coke Formation during Thermal Treatment of Bio-oil. *Energy & Fuels*, **2020**, 34, 7863-7914	4.1	64
44	Investigation into Properties of Carbohydrate Polymers Formed from Acid-Catalyzed Conversion of Sugar Monomers/Oligomers over Brønsted Acid Catalysts. *Energy Technology*, **2020**, 8, 1901476	3.5	5
43	Importance of the synergistic effects between cobalt sulfate and tetrahydrofuran for selective production of 5-hydroxymethylfurfural from carbohydrates. *Catalysis Science and Technology*, **2020**, 10, 2293-2302	5.5	3
42	Evolution of the functionalities and structures of biochar in pyrolysis of poplar in a wide temperature range. *Bioresource Technology*, **2020**, 304, 123002	11	50
41	Impacts of Solvents on the Stability of the Biomass-Derived Sugars and Furans. *Energy & Fuels*, **2020**, 34, 3250-3261	4.1	8
40	Sulfated TiO2 nanosheets catalyzing conversion of biomass derivatives: influences of the sulfation on distribution of Brønsted and Lewis acidic sites. *Journal of Chemical Technology and Biotechnology*, **2020**, 95, 1337-1347	3.5	12
39	Coordination of Acidic Deep Eutectic Solvent–Chromium Trichloride Catalytic System for Efficient Synthesis of Fructose to 5-Hydroxymethylfurfual. *Industrial & Engineering Chemistry Research*, **2020**, 59, 17554-17563	3.9	7
38	Pyrolysis of cellulose with co-feeding of formic or acetic acid. *Cellulose*, **2020**, 27, 4909-4929	5.5	5
37	Importance of Magnesium in Cu-Based Catalysts for Selective Conversion of Biomass-Derived Furan Compounds to Diols. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 5217-5228	8.3	23
36	Volatile-char interactions during biomass pyrolysis: Cleavage of C-C bond in a β-5 lignin model dimer by amino-modified graphitized carbon nanotube. *Bioresource Technology*, **2020**, 307, 123192	11	19
35	Changes in Biochar Functional Groups and Its Reactivity after Volatile–Char Interactions during Biomass Pyrolysis. *Energy & Fuels*, **2020**, 34, 14291-14299	4.1	11

34	Effects of calcium on the evolution of nitrogen during pyrolysis of a typical low rank coal. *International Journal of Coal Science and Technology*, **2020**, 7, 397-404	4.5	5
33	Clay as support for copper catalysts for the hydrogenation of furfural and phenolics. *Journal of Chemical Technology and Biotechnology*, **2020**, 95, 1400-1411	3.5	5
32	Mini-Review on Char Catalysts for Tar Reforming during Biomass Gasification: The Importance of Char Structure. *Energy & Fuels*, **2020**, 34, 1219-1229	4.1	50
31	Characteristics and mechanisms of phosphorous adsorption by rape straw-derived biochar functionalized with calcium from eggshell. *Bioresource Technology*, **2020**, 318, 124063	11	28
30	Integrated Leaching and Thermochemical Technologies for Producing High-Value Products from Rice Husk: Leaching of Rice Husk with the Aqueous Phases of Bioliquids. *Energies*, **2020**, 13, 6033	3.1	5
29	Volatile-char interactions during biomass pyrolysis: Understanding the potential origin of char activity. *Bioresource Technology*, **2020**, 316, 123938	11	28
28	Fundamental Advances in Biomass Autothermal/Oxidative Pyrolysis: A Review. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 11888-11905	8.3	37
27	Effects of Glucose on Nitrogen Retention and Transformation during Copyrolysis with Fiberboard Waste. *Energy & Fuels*, **2020**, 34, 11083-11090	4.1	5
26	Progress of the development of reactors for pyrolysis of municipal waste. *Sustainable Energy and Fuels*, **2020**, 4, 5885-5915	5.8	16
25	A Review on Biomass Gasification: Effect of Main Parameters on Char Generation and Reaction. *Energy & Fuels*, **2020**, 34, 13438-13455	4.1	17
24	Impacts of temperature on evolution of char structure during pyrolysis of lignin. *Science of the Total Environment*, **2020**, 699, 134381	10.2	23
23	Correlation of composition, cooling rate and superheating temperature with solidification behaviors and microstructures of Al□Bi□Sn ribbons. *Materials Research Express*, **2019**, 6, 066539	1.7	1
22	Application of Biochar Derived From Pyrolysis of Waste Fiberboard on Tetracycline Adsorption in Aqueous Solution. *Frontiers in Chemistry*, **2019**, 7, 943	5	20
21	Conversion of monosaccharides into levulinic acid/esters: impacts of metal sulfate addition and the reaction medium. *Journal of Chemical Technology and Biotechnology*, **2019**, 94, 3676-3686	3.5	10
20	Copper-based catalysts with tunable acidic and basic sites for the selective conversion of levulinic acid/ester to □-valerolactone or 1,4-pentanediol. *Green Chemistry*, **2019**, 21, 4499-4511	10	63
19	Nanofibers and amorphous Ni/Al2O3 catalysts □effect of steric hindrance on hydrogenation performance. *Catalysis Science and Technology*, **2019**, 9, 4510-4514	5.5	11
18	Cross-Polymerization between the Typical Sugars and Phenolic Monomers in Bio-Oil: A Model Compounds Study. *Energy & Fuels*, **2019**, 33, 7480-7490	4.1	24
17	Conversion of Cellulose to Levulinic Acid/Ester over an Acid Catalyst: Impacts of Dispersion of Hydrogen Ions on Polymerization Reactions. *Energy & Fuels*, **2019**, 33, 11187-11199	4.1	5

16	Cross-interaction during Co-gasification of wood, weed, plastic, tire and carton. *Journal of Environmental Management*, **2019**, 250, 109467	7.9	23
15	Balanced distribution of Br□sted acidic sites and Lewis acidic sites for highly selective conversion of xylose into levulinic acid/ester over Zr-beta catalysts. *Green Chemistry*, **2019**, 21, 6634-6645	10	36
14	Preparation of CaO-containing carbon pellet from recycling of carbide slag: Effects of temperature and HPO. *Waste Management*, **2019**, 84, 64-73	8.6	12
13	Pyrolysis of palm kernel shell with internal recycling of heavy oil. *Bioresource Technology*, **2019**, 272, 77-82	11	44
12	The catalytic reforming of tar from pyrolysis and gasification of brown coal: Effects of parental carbon materials on the performance of char catalysts. *Fuel Processing Technology*, **2018**, 174, 142-148	7.2	52
11	Effects of Water Content and Particle Size on Yield and Reactivity of Lignite Chars Derived from Pyrolysis and Gasification. *Molecules*, **2018**, 23,	4.8	4
10	Modification of Reactivity and Strength of Formed Coke from Victorian Lignite by Leaching of Metallic Species. *ISIJ International*, **2015**, 55, 765-774	1.7	11
9	Leaching of Alkali and Alkaline Earth Metallic Species from Rice Husk with Bio-oil from Its Pyrolysis. *Energy & Fuels*, **2014**, 28, 6459-6466	4.1	33
8	Preparation of Coke from Hydrothermally Treated Biomass in Sequence of Hot Briquetting and Carbonization. *ISIJ International*, **2014**, 54, 2461-2469	1.7	13
7	Kinetics and Mechanism of Steam Gasification of Char from Hydrothermally Treated Woody Biomass. *Energy & Fuels*, **2014**, 28, 7133-7139	4.1	32
6	Effects of volatile□char interactions on the evolution of char structure during the gasification of Victorian brown coal in steam. *Fuel*, **2011**, 90, 1529-1535	7.1	124
5	Development of CO2/H2O activated biochar derived from pine pyrolysis: application in methylene blue adsorption. *Journal of Chemical Technology and Biotechnology*,	3.5	2
4	The fate of char in controlling the rate of heavy metal transfer from soil to potato. *Chemical Papers*,1	1.9	
3	Hydrogen- and Methane-Rich Clean Producer Gas from the Reforming of Bio-oil with Fe/AC Catalyst Prepared by a Stepwise Impregnation Method. *Bioenergy Research*,1	3.1	0
2	Pyrolysis behaviors of rapeseed meal: products distribution and properties. *Biomass Conversion and Biorefinery*,1	2.3	
1	Hydrothermal treatment of furfural and sugar monomers and oligomers: a model-compound approach to probe the cross-polymerization reactions in heating bio-oil. *Biomass Conversion and Biorefinery*,1	2.3	