

Min Song

List of Publications by Year in descending order

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49
papers

1,468
citations

394286

19
h-index

330025

37
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49
all docs

49
docs citations

49
times ranked

1510
citing authors

#	ARTICLE	IF	CITATIONS
1	The comparison of two activation techniques to prepare activated carbon from corn cob. <i>Biomass and Bioenergy</i> , 2013, 48, 250-256.	2.9	164
2	Removal of sulfonamide antibiotics and human metabolite by biochar and biochar/H ₂ O ₂ in synthetic urine. <i>Water Research</i> , 2018, 147, 91-100.	5.3	136
3	The contribution of oxygen-containing functional groups to the gas-phase adsorption of volatile organic compounds with different polarities onto lignin-derived activated carbon fibers. <i>Environmental Science and Pollution Research</i> , 2019, 26, 7195-7204.	2.7	118
4	The superoxide radicals ^{•-} production via persulfate activated with CuFe ₂ O ₄ @Biochar composites to promote the redox pairs cycling for efficient degradation of o-nitrochlorobenzene in soil. <i>Journal of Hazardous Materials</i> , 2020, 400, 122887.	6.5	112
5	Selective Degradation of Electron-Rich Organic Pollutants Induced by CuO@Biochar: The Key Role of Outer-Sphere Interaction and Singlet Oxygen. <i>Environmental Science & Technology</i> , 2022, 56, 10710-10720.	4.6	95
6	Study on adsorption properties and mechanism of Pb ²⁺ with different carbon based adsorbents. <i>Science of the Total Environment</i> , 2018, 618, 1416-1422.	3.9	90
7	Retention of arsenic in coal combustion flue gas at high temperature in the presence of CaO. <i>Fuel</i> , 2020, 259, 116249.	3.4	68
8	Enhanced degradation of Rhodamine B via Fe ₂ O ₃ microspheres induced persulfate to generate reactive oxidizing species. <i>Chemosphere</i> , 2020, 243, 125322.	4.2	55
9	Preparation of Polyethylenimine-Functionalized Graphene Oxide Composite and Its Application in Electrochemical Ammonia Sensors. <i>Electroanalysis</i> , 2013, 25, 523-530.	1.5	49
10	In-Furnace Control of Arsenic Vapor Emissions Using Fe ₂ O ₃ Microspheres with Good Sintering Resistance. <i>Environmental Science & Technology</i> , 2021, 55, 8613-8621.	4.6	36
11	The preparation and performance of lignin-based activated carbon fiber adsorbents for treating gaseous streams. <i>Frontiers of Chemical Science and Engineering</i> , 2017, 11, 328-337.	2.3	32
12	Alumina-Supported Spinel NiAl ₂ O ₄ as a Catalyst for Re-forming Pyrolysis Gas. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 11770-11778.	1.8	31
13	Hydrogen production from bio-oil by chemical looping reforming. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014, 115, 1921-1927.	2.0	28
14	Facile synthesis of CoFe ₂ O ₄ @BC activated peroxydisulfate for p-nitrochlorobenzene degradation: Matrix effect and toxicity evaluation. <i>Science of the Total Environment</i> , 2022, 828, 154275.	3.9	28
15	Comparison between in-situ and ex-situ catalytic pyrolysis of sawdust for gas production. <i>Journal of Analytical and Applied Pyrolysis</i> , 2018, 135, 189-198.	2.6	25
16	Adsorption of sulfur dioxide using nickel oxide/carbon adsorbents produced by one-step pyrolysis method. <i>Journal of Analytical and Applied Pyrolysis</i> , 2013, 99, 137-142.	2.6	24
17	Capture of arsenic in coal combustion flue gas at high temperature in the presence of CaSiO ₃ with good anti-sintering. <i>Fuel Processing Technology</i> , 2020, 205, 106428.	3.7	23
18	Alkali promoted the adsorption of toluene by adjusting the surface properties of lignin-derived carbon fibers. <i>Environmental Science and Pollution Research</i> , 2019, 26, 22284-22294.	2.7	22

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19	New insight on the combined effects of hydrothermal treatment and FeSO ₄ /Ca(ClO) ₂ oxidation for sludge dewaterability improvement: From experimental to theoretical investigation. <i>Fuel Processing Technology</i> , 2020, 197, 106196.	3.7	22
20	Inducing Ni phyllosilicate formation over a carbon fiber support as a catalyst for the CO ₂ reforming of methane. <i>Applied Catalysis A: General</i> , 2020, 592, 117418.	2.2	20
21	The application of prepared porous carbon materials: Effect of different components on the heavy metal adsorption. <i>Waste Management and Research</i> , 2016, 34, 534-541.	2.2	19
22	The Synergy Effect of Ni-M (M = Mo, Fe, Co, Mn or Cr) Bicomponent Catalysts on Partial Methanation Coupling with Water Gas Shift under Low H ₂ /CO Conditions. <i>Catalysts</i> , 2017, 7, 51.	1.6	18
23	The pyrolysis of multi-component municipal solid waste in fixed bed reactor for activated carbon production. <i>Journal of Analytical and Applied Pyrolysis</i> , 2014, 109, 278-282.	2.6	17
24	A Fenton-like system of biochar loading Fe-Al layered double hydroxides (FeAl-LDH@BC) / H ₂ O ₂ for phenol removal. <i>Chemosphere</i> , 2021, 266, 128992.	4.2	16
25	Hydroxyl-promoter on hydrated Ni-(Mg, Si) attapulgite with high metal sintering resistance for biomass derived gas reforming. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 20056-20067.	3.8	15
26	The Effect of Surface Functionalization on the Immobilization of Gold Nanoparticles on Graphene Sheets. <i>Journal of Nanotechnology</i> , 2012, 2012, 1-5.	1.5	14
27	Synergistic effect of underwater arc discharge plasma and Fe ₂ O ₃ -CoFe ₂ O ₄ enhanced PMS activation to efficiently degrade refractory organic pollutants. <i>Separation and Purification Technology</i> , 2022, 290, 120834.	3.9	14
28	Steam reforming of 1-methylnaphthalene as a model compound of biomass tar over Ni-based catalyst for hydrogen-rich gas. <i>Korean Journal of Chemical Engineering</i> , 2018, 35, 394-408.	1.2	13
29	Low-temperature hydrothermal liquefaction of pomelo peel for production of 5-hydroxymethylfurfural-rich bio-oil using ionic liquid loaded ZSM-5. <i>Bioresource Technology</i> , 2022, 352, 127050.	4.8	13
30	Direct Electrochemistry and Electrocatalysis of Hemoglobin@TiO ₂ Whisker Film Modified Glassy Carbon Electrode. <i>Electroanalysis</i> , 2010, 22, 668-672.	1.5	12
31	Preparation of ZnO-Loaded Lignin-Based Carbon Fiber for the Electrocatalytic Oxidation of Hydroquinone. <i>Catalysts</i> , 2017, 7, 180.	1.6	12
32	CO ₂ reforming of methane over carbon fiber-lanthanum oxide supported bimetallic nickel-cobalt catalysts: Kinetic and mechanistic studies. <i>Chemical Engineering Research and Design</i> , 2021, 145, 236-246.	2.7	12
33	Combining Carbon Fibers with Ni-Al ₂ O ₃ Used for Syngas Production: Part A: Preparation and Evaluation of Complex Carrier Catalysts. <i>Catalysts</i> , 2018, 8, 658.	1.6	11
34	Incorporation of humic acid into biomass derived carbon for enhanced adsorption of phenol. <i>Scientific Reports</i> , 2019, 9, 19931.	1.6	11
35	Flue Gas Hg ⁰ Removal by FeCl ₃ -Impregnated LTA and MFI Zeolites: Influences of Topology and Cation Sites. <i>Energy & Fuels</i> , 2020, 34, 9903-9913.	2.5	11
36	Insights into the mechanism of redox pairs and oxygen vacancies of Fe ₂ O ₃ @CoFe ₂ O ₄ hybrids for efficient refractory organic pollutants degradation. <i>Chemosphere</i> , 2022, 291, 133069.	4.2	11

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37	Preparation and application of nickel based carbon fibers for the steam reforming of methane. Reaction Kinetics, Mechanisms and Catalysis, 2017, 120, 477-488.	0.8	10
38	High performance single material-based triboelectric nanogenerators made of hetero-triboelectric half-cell plant skins. Nano Energy, 2022, 94, 106959.	8.2	9
39	Promotion Effect of SiO ₂ on the Catalytic Performance of Ni/CF for Biomass Derived Gas Reforming. Industrial & Engineering Chemistry Research, 2018, 57, 10851-10858.	1.8	8
40	New Insight on the Combined Effects of Hydrothermal Treatment and FeSO ₄ /Ca(ClO) ₂ Oxidation for Sludge Dewaterability Improvement: Moisture Distribution and Noncovalent Interaction Calculation. ACS Omega, 2020, 5, 15891-15900.	1.6	8
41	Promoting adsorption of organic pollutants via tailoring surface physicochemical properties of biomass-derived carbon-attapulgite. Environmental Science and Pollution Research, 2021, 28, 11106-11118.	2.7	7
42	New anthracene-tetrathiafulvalene derivative-encapsulated SWNT nanocomposite and its application for biosensing. Journal of Colloid and Interface Science, 2010, 343, 48-51.	5.0	6
43	Effect of CO ₂ atmosphere on biomass pyrolysis and in-line catalytic reforming. International Journal of Energy Research, 2020, 44, 8936-8950.	2.2	6
44	The formation of novel carbon/carbon composite by chemical vapor deposition: An efficient adsorbent for enhanced desulfurization performance. Journal of Analytical and Applied Pyrolysis, 2016, 118, 34-41.	2.6	5
45	The influence of different surface-modification treatments on biomass-based carbons and their effects on adsorption of carbon dioxide. International Journal of Green Energy, 2016, 13, 1084-1089.	2.1	4
46	Optimized Reforming of Biomass Derived Gas Based on Thermodynamic and Kinetics Analysis with Activated Carbon Fibers Supported Ni-Al ₂ O ₃ . Bioenergy Research, 2020, 13, 581-590.	2.2	4
47	CO ₂ Reforming of Methane Over Ni/Carbon Fibers-La ₂ O ₃ Catalyst: Effects of Ultrasound-Assisted Method and La ₂ O ₃ Doping on Catalytic Properties and Activity. Waste and Biomass Valorization, 2019, 10, 3897-3905.	1.8	3
48	Electrochemistry and electrocatalysis with hemoglobin in hollow polyelectrolyte fibrous mats. Journal of Applied Polymer Science, 2010, 117, 1613-1617.	1.3	1
49	The combined effects of hydrothermal treatment and Na ₂ S ₂ O ₈ /CuFe ₂ O ₄ magnetic oxidation on sludge dewaterability improvement. E3S Web of Conferences, 2020, 194, 04023.	0.2	0