

Meng Liu

List of Publications by Year in descending order

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37
papers

1,284
citations

430874

18
h-index

361022

35
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all docs

37
docs citations

37
times ranked

1017
citing authors

#	ARTICLE	IF	CITATIONS
1	Removal characteristics of particulate matters and hazardous trace elements in a 660MW ultra-low emission coal-fired power plant. <i>Fuel</i> , 2022, 311, 122535.	6.4	19
2	Influence of Fe-modified Mn-Ce-Co x /P84 catalytic filter materials for low-temperature NO removal synergistic Hg O oxidation. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2021, 16, e2677.	1.5	5
3	Effect of flue gas components on the NO removal and element mercury oxidation performance of Mn-modified low-temperature catalyst. <i>International Journal of Chemical Reactor Engineering</i> , 2021, 19, 1031-1043.	1.1	2
4	Performance and reaction mechanism for low-temperature NO _x catalytic synergistic Hg ⁰ oxidation of catalytic polyphenylene sulfide filter materials. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2020, 15, e2403.	1.5	7
5	Pilot-Scale Study on Improving SNCR Denitrification Efficiency by Using Gas Additives. <i>International Journal of Chemical Reactor Engineering</i> , 2019, 17, .	1.1	1
6	A review on mercury in coal combustion process: Content and occurrence forms in coal, transformation, sampling methods, emission and control technologies. <i>Progress in Energy and Combustion Science</i> , 2019, 73, 26-64.	31.2	327
7	Influence of Interactions among Three Biomass Components on the Pyrolysis Behavior. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 5241-5249.	3.7	69
8	Distribution and Speciation Transformation of Hazardous Trace Element Arsenic in Particulate Matter of a Coal-Fired Power Plant. <i>Energy & Fuels</i> , 2018, 32, 6049-6055.	5.1	33
9	Investigation of mercury adsorption and cyclic mercury retention over MnO ₂ -Al ₂ O ₃ sorbent. <i>Chemosphere</i> , 2018, 202, 358-365.	8.2	27
10	Effects on enrichment characteristics of trace elements in fly ash by adding halide salts into the coal during CFB combustion. <i>Journal of the Energy Institute</i> , 2018, 91, 214-221.	5.3	12
11	The Migration and Transformation of Heavy Metals in Sewage Sludge during Hydrothermal Carbonization Combined with Combustion. <i>BioMed Research International</i> , 2018, 2018, 1-11.	1.9	4
12	Thermal stability, chemical speciation and leaching characteristics of hazardous trace elements in FGD gypsum from coal-fired power plants. <i>Fuel</i> , 2018, 231, 94-100.	6.4	54
13	Chemical speciation and leaching characteristics of hazardous trace elements in coal and fly ash from coal-fired power plants. <i>Fuel</i> , 2018, 232, 463-469.	6.4	94
14	Effects of NH ₄ Br additive on mercury transformation and removal during CFB coal combustion. <i>Journal of Chemical Technology and Biotechnology</i> , 2017, 92, 391-398.	3.2	16
15	Migration Behavior of Trace Elements at a Coal-Fired Power Plant with Different Boiler Loads. <i>Energy & Fuels</i> , 2017, 31, 747-754.	5.1	41
16	Study on emission of hazardous trace elements in a 350MW coal-fired power plant. Part 2. arsenic, chromium, barium, manganese, lead. <i>Environmental Pollution</i> , 2017, 226, 404-411.	7.5	82
17	Effect of Modified Sludge on the Particles Flocculation and Slurry Stability in the Co-slurry of Sludge and Petroleum Coke. <i>International Journal of Chemical Reactor Engineering</i> , 2017, 15, .	1.1	1
18	Study on the mercury emission and transformation in an ultra-low emission coal-fired power plant. <i>Fuel</i> , 2017, 199, 653-661.	6.4	103

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19	Experimental characterization of enhanced SNCR process with carbonaceous gas additives. <i>Chemosphere</i> , 2017, 177, 149-156.	8.2	20
20	Partitioning and Emission of Hazardous Trace Elements in a 100 MW Coal-Fired Power Plant Equipped with Selective Catalytic Reduction, Electrostatic Precipitator, and Wet Flue Gas Desulfurization. <i>Energy & Fuels</i> , 2017, 31, 12383-12389.	5.1	29
21	Effects of Acidic Gases on Mercury Adsorption by Activated Carbon in Simulated Oxy-Fuel Combustion Flue Gas. <i>Energy & Fuels</i> , 2017, 31, 9745-9751.	5.1	39
22	Effect of the Amount of Sludge on Physicochemical Properties and Chemical Structure of Low-rank Coal under Hydrothermal Conditions. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2017, 12, 755-764.	1.5	2
23	Evaluation of wall slip effects on the flow characteristics of petroleum coke-water slurry flow along pipelines. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2017, 12, 818-826.	1.5	0
24	Study on emission of hazardous trace elements in a 350 MW coal-fired power plant. Part 1. Mercury. <i>Environmental Pollution</i> , 2017, 229, 863-870.	7.5	69
25	Studies on Mercury Adsorption Species and Equilibrium on Activated Carbon Surface. <i>Energy & Fuels</i> , 2017, 31, 14211-14218.	5.1	25
26	Effects of organic and inorganic metal salts on thermogravimetric pyrolysis of biomass components. <i>Korean Journal of Chemical Engineering</i> , 2017, 34, 3077-3084.	2.7	33
27	Prediction of Synergic Effects of H_2O , SO_2 , and HCl on Mercury and Arsenic Transformation under Oxy-Fuel Combustion Conditions. <i>Energy & Fuels</i> , 2016, 30, 8463-8468.	5.1	16
28	Migration and Emission Characteristics of Trace Elements in a 660 MW Coal-Fired Power Plant of China. <i>Energy & Fuels</i> , 2016, 30, 5937-5944.	5.1	55
29	Experimental Study on Mercury Oxidation in a Fluidized Bed under O_2/CO_2 and O_2/N_2 Atmospheres. <i>Energy & Fuels</i> , 2016, 30, 5065-5070.	5.1	10
30	The effect of organic solvent thermal treatment on the physicochemical properties of lignite. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2015, 10, 724-733.	1.5	9
31	Effects of the Types and Addition Amounts of Sludge on the True Rheological Properties of Petroleum Coke Slurry Flowing in Pipelines. <i>International Journal of Chemical Reactor Engineering</i> , 2015, 13, 311-322.	1.1	2
32	Effect of Surface Chemistry and Structure of Sludge Particles on Their Co-slurrying Ability with Petroleum Coke. <i>International Journal of Chemical Reactor Engineering</i> , 2014, 12, 429-439.	1.1	4
33	Effect of modified sludge on the rheological properties and co-slurry mechanism of petroleum coke-sludge slurry. <i>Powder Technology</i> , 2013, 243, 18-26.	4.2	30
34	Predicting the Liquid Film Thickness and Droplet-Gas Flow in Effervescent Atomization: Influence of Operating Conditions and Fluid Viscosity. <i>International Journal of Chemical Reactor Engineering</i> , 2013, 11, 393-405.	1.1	2
35	Influence of sewage sludge on the rheological properties of petroleum coke-water slurry. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2013, 8, 453-460.	1.5	6
36	Slip flow of coal water slurries in pipelines. <i>Fuel</i> , 2010, 89, 1119-1126.	6.4	32

#	ARTICLE	IF	CITATIONS
37	Local resistance characteristics of highly concentrated coal-water slurry flow through fittings. Korean Journal of Chemical Engineering, 2009, 26, 569-575.	2.7	4