

Liu Huimin

List of Publications by Year in descending order

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papers

724
citations

516710

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Review of arsenic behavior during coal combustion: Volatilization, transformation, emission and removal technologies. <i>Progress in Energy and Combustion Science</i> , 2018, 68, 1-28.	31.2	147
2	Removal of Gas-Phase As ₂ O ₃ by Metal Oxide Adsorbents: Effects of Experimental Conditions and Evaluation of Adsorption Mechanism. <i>Energy & Fuels</i> , 2015, 29, 6578-6585.	5.1	104
3	Experiment and mechanism research on gas-phase As ₂ O ₃ adsorption of Fe ₂ O ₃ / γ -Al ₂ O ₃ . <i>Fuel</i> , 2016, 181, 1034-1040.	6.4	66
4	Review on the Current Status of the Co-combustion Technology of Organic Solid Waste (OSW) and Coal in China. <i>Energy & Fuels</i> , 2020, 34, 15448-15487.	5.1	45
5	Volatilization of Arsenic During Coal Combustion Based on Isothermal Thermogravimetric Analysis at 600–1500 °C. <i>Energy & Fuels</i> , 2016, 30, 6790-6798.	5.1	43
6	Simultaneous volatilization characteristics of arsenic and sulfur during isothermal coal combustion. <i>Fuel</i> , 2017, 203, 152-161.	6.4	37
7	Experimental and Mechanism Study of Gas-Phase Arsenic Adsorption Over Fe ₂ O ₃ / γ -Al ₂ O ₃ Sorbent in Oxy-Fuel Combustion Flue Gas. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 10656-10663.	3.7	36
8	Re-using of coal-fired fly ash for arsenic vapors in-situ retention before SCR catalyst: Experiments and mechanisms. <i>Chemosphere</i> , 2020, 254, 126700.	8.2	27
9	Effect of Volatile and Ash Contents in Coal on the Volatilization of Arsenic during Isothermal Coal Combustion. <i>Energy & Fuels</i> , 2017, 31, 12831-12838.	5.1	24
10	Experimental and modeling study on the volatilization of arsenic during co-combustion of high arsenic lignite blends. <i>Applied Thermal Engineering</i> , 2016, 108, 1336-1343.	6.0	23
11	The key roles of Fe-bearing minerals on arsenic capture and speciation transformation during high-As bituminous coal combustion: Experimental and theoretical investigations. <i>Journal of Hazardous Materials</i> , 2021, 415, 125610.	12.4	23
12	Volatilization of Arsenic in Coal during Isothermal Oxy-Fuel Combustion. <i>Energy & Fuels</i> , 2016, 30, 3479-3487.	5.1	21
13	Particle Size Distributions of Fly Ash Arising from Vaporized Components of Coal Combustion: A Comparison of Theory and Experiment. <i>Energy & Fuels</i> , 2018, 32, 4300-4307.	5.1	20
14	Investigation of properties change in the reacted molten salts after molten chlorides cyclic thermal treatment of toxic MSWI fly ash. <i>Journal of Hazardous Materials</i> , 2022, 421, 126536.	12.4	18
15	Enrichment mechanism of arsenic in fine ash deposits during co-combustion of rice husk and coal. <i>Fuel</i> , 2020, 281, 118712.	6.4	17
16	Effect of CO ₂ in Flue Gas on Arsenic Adsorption over a Carbonaceous Surface. <i>Energy & Fuels</i> , 2019, 33, 4412-4419.	5.1	16
17	Combustion Characteristics and Nitric Oxide Release of the Pulverized Coals under Oxy-enrich Conditions. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 14355-14360.	3.7	14
18	Vaporization model of arsenic during single-particle coal combustion: Numerical simulation. <i>Fuel</i> , 2021, 287, 119412.	6.4	12

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19	Vaporization model for arsenic during single-particle coal combustion: Model development. <i>Combustion and Flame</i> , 2019, 205, 534-546.	5.2	9
20	Arsenic Partitioning in High-Temperature Ash Deposits during Oxy-fuel Combustion. <i>Energy & Fuels</i> , 2020, 34, 863-870.	5.1	9
21	Feasibility study on co-processing of automobile shredder residue in coal-fired power plants via pyrolysis. <i>Waste Management</i> , 2022, 143, 135-143.	7.4	5
22	Effect of CO ₂ on the As ₂ O ₃ adsorption over carbonaceous surface: Experiment and quantum chemistry study. <i>Chemical Engineering Journal</i> , 2022, 446, 137156.	12.7	5
23	Insights into the transformation mechanism of Se in sized ash particles arising from coal combustion: Model vs. experiment. <i>Fuel Processing Technology</i> , 2022, 236, 107392.	7.2	3