

Liu Huimin

List of Publications by Year in descending order

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454
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| # | ARTICLE | IF | CITATIONS |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 1 | 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 |
| 2 | 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 |
| 3 | 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 |
| 4 | 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 |
| 5 | Vaporization model of arsenic during single-particle coal combustion: Numerical simulation. <i>Fuel</i> , 2021, 287, 119412. | 6.4 | 12 |
| 6 | 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 |
| 7 | Arsenic Partitioning in High-Temperature Ash Deposits during Oxy-fuel Combustion. <i>Energy & Fuels</i> , 2020, 34, 863-870. | 5.1 | 9 |
| 8 | 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 |
| 9 | 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 |
| 10 | 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 |
| 11 | Vaporization model for arsenic during single-particle coal combustion: Model development. <i>Combustion and Flame</i> , 2019, 205, 534-546. | 5.2 | 9 |
| 12 | 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 |
| 13 | 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 |
| 14 | 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 |
| 15 | Simultaneous volatilization characteristics of arsenic and sulfur during isothermal coal combustion. <i>Fuel</i> , 2017, 203, 152-161. | 6.4 | 37 |
| 16 | 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 |
| 17 | Experiment and mechanism research on gas-phase As ₂ O ₃ adsorption of Fe ₂ O ₃ /Al ₂ O ₃ . <i>Fuel</i> , 2016, 181, 1034-1040. | 6.4 | 66 |
| 18 | Experimental and Mechanism Study of Gas-Phase Arsenic Adsorption Over Fe ₂ O ₃ /Al ₂ O ₃ Sorbent in Oxy-Fuel Combustion Flue Gas. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 10656-10663. | 3.7 | 36 |

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|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Experimental and modeling study on the volatilization of arsenic during co-combustion of high arsenic lignite blends. Applied Thermal Engineering, 2016, 108, 1336-1343. | 6.0 | 23 |
| 20 | Volatilization of Arsenic During Coal Combustion Based on Isothermal Thermogravimetric Analysis at 600–1500 °C. Energy & Fuels, 2016, 30, 6790-6798. | 5.1 | 43 |
| 21 | Volatilization of Arsenic in Coal during Isothermal Oxy-Fuel Combustion. Energy & Fuels, 2016, 30, 3479-3487. | 5.1 | 21 |
| 22 | Removal of Gas-Phase As ₂ O ₃ by Metal Oxide Adsorbents: Effects of Experimental Conditions and Evaluation of Adsorption Mechanism. Energy & Fuels, 2015, 29, 6578-6585. | 5.1 | 104 |
| 23 | Combustion Characteristics and Nitric Oxide Release of the Pulverized Coals under Oxy-enrich Conditions. Industrial & Engineering Chemistry Research, 2012, 51, 14355-14360. | 3.7 | 14 |