

Zhilou Liu

List of Publications by Year in descending order

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14
papers

607
citations

623734

14
h-index

1058476

14
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14
all docs

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docs citations

14
times ranked

361
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly stable activated carbon composite material to selectively capture gas-phase elemental mercury from smelting flue gas: Copper polysulfide modification. <i>Chemical Engineering Journal</i> , 2019, 358, 1235-1242.	12.7	91
2	Development of Recyclable Iron Sulfide/Selenide Microparticles with High Performance for Elemental Mercury Capture from Smelting Flue Gas over a Wide Temperature Range. <i>Environmental Science & Technology</i> , 2020, 54, 604-612.	10.0	84
3	Three-layer core-shell magnetic Fe ₃ O ₄ @C@Fe ₂ O ₃ microparticles as a high-performance sorbent for the capture of gaseous arsenic from SO ₂ -containing flue gas. <i>Chemical Engineering Journal</i> , 2019, 378, 122075.	12.7	59
4	Selective separation of chromium from sulphuric acid leaching solutions of mixed electroplating sludge using phosphate precipitation. <i>Hydrometallurgy</i> , 2019, 186, 42-49.	4.3	50
5	Removing and recycling mercury from scrubbing solution produced in wet nonferrous metal smelting flue gas purification process. <i>Journal of Environmental Sciences</i> , 2021, 103, 59-68.	6.1	43
6	Selective recovery of mercury from high mercury-containing smelting wastes using an iodide solution system. <i>Journal of Hazardous Materials</i> , 2019, 363, 179-186.	12.4	38
7	In-situ preparation of zinc sulfide adsorbent using local materials for elemental mercury immobilization and recovery from zinc smelting flue gas. <i>Chemical Engineering Journal</i> , 2022, 429, 132115.	12.7	36
8	Selective Removal of Elemental Mercury from High-Concentration SO ₂ Flue Gas by Thiourea Solution and Investigation of Mechanism. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 4281-4287.	3.7	33
9	High catalytic activity and SO ₂ -poisoning resistance of Pd/CuCl ₂ /γ-Al ₂ O ₃ catalyst for elemental mercury oxidation. <i>Catalysis Communications</i> , 2018, 105, 1-5.	3.3	33
10	Transport and transformation of mercury during wet flue gas cleaning process of nonferrous metal smelting. <i>Environmental Science and Pollution Research</i> , 2017, 24, 22494-22502.	5.3	32
11	Catalytic Oxidation of Elemental Mercury in Coal-Combustion Flue Gas over the CuAlO ₂ Catalyst. <i>Energy & Fuels</i> , 2019, 33, 11380-11388.	5.1	32
12	SO ₂ promoted ultrafine nano-sulfur dispersion for efficient and stable removal of gaseous elemental mercury. <i>Fuel</i> , 2020, 261, 116367.	6.4	31
13	The effect of selenite on mercury re-emission in smelting flue gas scrubbing system. <i>Fuel</i> , 2016, 168, 7-13.	6.4	25
14	Mercury Re-Emission in the Smelting Flue Gas Cleaning Process: The Influence of Arsenite. <i>Energy & Fuels</i> , 2017, 31, 11053-11059.	5.1	20