Zhilou Liu

List of Publications by Year
in descending order

14	607	623734	1058476
papers	citations	14 h-index	14 g-index

14	14	14	361
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	In-situ preparation of zinc sulfide adsorbent using local materials for elemental mercury immobilization and recovery from zinc smelting flue gas. Chemical Engineering Journal, 2022, 429, 132115.	12.7	36
2	Removing and recycling mercury from scrubbing solution produced in wet nonferrous metal smelting flue gas purification process. Journal of Environmental Sciences, 2021, 103, 59-68.	6.1	43
3	Development of Recyclable Iron Sulfide/Selenide Microparticles with High Performance for Elemental Mercury Capture from Smelting Flue Gas over a Wide Temperature Range. Environmental Science & Technology, 2020, 54, 604-612.	10.0	84
4	SO2 promoted ultrafine nano-sulfur dispersion for efficient and stable removal of gaseous elemental mercury. Fuel, 2020, 261, 116367.	6.4	31
5	Catalytic Oxidation of Elemental Mercury in Coal-Combustion Flue Gas over the CuAlO₂ Catalyst. Energy & Fuels, 2019, 33, 11380-11388.	5.1	32
6	Three-layer core-shell magnetic Fe3O4@C@Fe2O3 microparticles as a high-performance sorbent for the capture of gaseous arsenic from SO2-containing flue gas. Chemical Engineering Journal, 2019, 378, 122075.	12.7	59
7	Selective separation of chromium from sulphuric acid leaching solutions of mixed electroplating sludge using phosphate precipitation. Hydrometallurgy, 2019, 186, 42-49.	4.3	50
8	Selective recovery of mercury from high mercury-containing smelting wastes using an iodide solution system. Journal of Hazardous Materials, 2019, 363, 179-186.	12.4	38
9	Highly stable activated carbon composite material to selectively capture gas-phase elemental mercury from smelting flue gas: Copper polysulfide modification. Chemical Engineering Journal, 2019, 358, 1235-1242.	12.7	91
10	High catalytic activity and SO2-poisoning resistance of Pd/CuCl2/Î³-Al2O3 catalyst for elemental mercury oxidation. Catalysis Communications, 2018, 105, 1-5.	3.3	33
11	Selective Removal of Elemental Mercury from High-Concentration SO₂ Flue Gas by Thiourea Solution and Investigation of Mechanism. Industrial & Engineering Chemistry Research, 2017, 56, 4281-4287.	3.7	33
12	Transport and transformation of mercury during wet flue gas cleaning process of nonferrous metal smelting. Environmental Science and Pollution Research, 2017, 24, 22494-22502.	5.3	32
13	Mercury Re-Emission in the Smelting Flue Gas Cleaning Process: The Influence of Arsenite. Energy & Fuels, 2017, 31, 11053-11059.	5.1	20
14	The effect of selenite on mercury re-emission in smelting flue gas scrubbing system. Fuel, 2016, 168, 7-13.	6.4	25