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List of Publications by Year in descending order

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59
papers

1,452
citations

331670

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36
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all docs

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docs citations

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times ranked

729
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Research on the preparations and properties of fertilizer recycling from biomass ash, slags, and waste acid liquid from desulfurization and denitrification process of flue gas. Biomass Conversion and Biorefinery, 2024, 14, 3235-3247. | 4.6 | 0 |
| 2 | One new channel for the reduction of NO during gasification condition: An insight from DFT calculations. Combustion Science and Technology, 2023, 195, 2191-2209. | 2.3 | 1 |
| 3 | Nanosized Zn-In spinel-type sulfides loaded on facet-oriented CeO ₂ nanorods heterostructures as Z-scheme photocatalysts for efficient elemental mercury removal. Science of the Total Environment, 2022, 813, 151865. | 8.0 | 16 |
| 4 | First principles study on electronic properties and oxygen evolution mechanism of 2D bimetallic N-doped graphene. Journal of Molecular Graphics and Modelling, 2022, 111, 108101. | 2.4 | 5 |
| 5 | Oxidative desulfurization of fuel oil catalyzed by a carbon nitride supported phosphotungstic acid based dicationic ionic liquid. Reaction Chemistry and Engineering, 2022, 7, 1380-1390. | 3.7 | 5 |
| 6 | Salt-Assisted Synthesis of Rod-Like Bi ₂ S ₃ Single Crystals for Gas-Phase Elemental Mercury Removal. Energy & Fuels, 2022, 36, 2591-2599. | 5.1 | 15 |
| 7 | Gaseous Elemental Mercury Capture by Magnetic FeS ₂ Nanorods Synthesized via a Molten Salt Method. ACS Applied Nano Materials, 2022, 5, 2626-2635. | 5.0 | 14 |
| 8 | CuS-Doped Ti ₃ C ₂ MXene Nanosheets for Highly Efficient Adsorption of Elemental Mercury in Flue Gas. Energy & Fuels, 2022, 36, 2503-2514. | 5.1 | 13 |
| 9 | The preparation of slow-release fertilizers with biomass ash and water/waste acid solutions from desulfurization and denitrification of flue gas. Environmental Science and Pollution Research, 2022, , 1. | 5.3 | 2 |
| 10 | Nitrogen-rich biomass derived three-dimensional porous structure captures FeNi metal nanospheres: An effective electrocatalyst for oxygen evolution reaction. International Journal of Hydrogen Energy, 2022, 47, 12487-12499. | 7.1 | 10 |
| 11 | Improving the performance of organic lead-tin laminated perovskite solar cells from the perspective of device simulation. Optical and Quantum Electronics, 2022, 54, 1. | 3.3 | 6 |
| 12 | Graphitic Carbon Nitride for Gaseous Mercury Emission Control: A Review. Energy & Fuels, 2022, 36, 4297-4313. | 5.1 | 15 |
| 13 | Molten salt synthesis of WS ₂ and MoS ₂ nanosheets toward efficient gaseous elemental mercury capture. Science of the Total Environment, 2022, 824, 153934. | 8.0 | 19 |
| 14 | 3D/0D Cu ₃ SnS ₄ /CeO ₂ Heterojunction Photocatalyst with Dual Redox Pairs Synergistically Promotes the Photocatalytic Reduction of CO ₂ . Energy & Fuels, 2022, 36, 7763-7774. | 5.1 | 7 |
| 15 | Characterization and Reuse Investigation on Scrapped V ₂ O ₅ -WO ₃ /TiO ₂ Catalysts Operated in Various Industrial Flue Gases for NH ₃ -SCR Reactions. Waste and Biomass Valorization, 2021, 12, 2597-2608. | 3.4 | 1 |
| 16 | Effect of flue gas on elemental mercury removal capacity of defective carbonaceous surface: A first-principles study. Journal of Hazardous Materials, 2021, 404, 124013. | 12.4 | 23 |
| 17 | Elemental mercury capture from industrial gas emissions using sulfides and selenides: a review. Environmental Chemistry Letters, 2021, 19, 1395-1411. | 16.2 | 26 |
| 18 | Self-grown oxygen vacancies-rich CeO ₂ /BiOBr Z-scheme heterojunction decorated with rGO as charge transfer channel for enhanced photocatalytic oxidation of elemental mercury. Journal of Colloid and Interface Science, 2021, 587, 402-416. | 9.4 | 120 |

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|----|--|------|-----------|
| 19 | Copper Sulfide-Loaded Boron Nitride Nanosheets for Elemental Mercury Removal from Simulated Flue Gas. <i>Energy & Fuels</i> , 2021, 35, 2234-2242. | 5.1 | 19 |
| 20 | Fabrication of a Z-Scheme Heterojunction Polyhedral-Shaped BiOIO ₃ /MIL-53(Fe) Photocatalyst for Enhancing Gaseous Hg ⁰ Removal. <i>Energy & Fuels</i> , 2021, 35, 3252-3265. | 5.1 | 19 |
| 21 | Study on arsenic, selenium, and lead produced in coal combustion: bibliometric method. <i>Environmental Science and Pollution Research</i> , 2021, 28, 32190-32199. | 5.3 | 5 |
| 22 | Study of Sheetlike BiOI/Rodlike Bi ₅ O ₇ I Composite Photocatalyst by In Situ Crystallization of BiOI with pH-Dependence for Hg ⁰ Removal. <i>Energy & Fuels</i> , 2021, 35, 11415-11426. | 5.1 | 17 |
| 23 | Rod-Shaped Bi ₂ S ₃ Supported on Flaky Carbon Nitride for Effective Removal of Elemental Mercury in Flue Gas. <i>Energy & Fuels</i> , 2021, 35, 14634-14646. | 5.1 | 6 |
| 24 | Spherical-shaped CuS modified carbon nitride nanosheet for efficient capture of elemental mercury from flue gas at low temperature. <i>Journal of Hazardous Materials</i> , 2021, 415, 125692. | 12.4 | 64 |
| 25 | A tin-based perovskite solar cell with an inverted hole-free transport layer to achieve high energy conversion efficiency by SCAPS device simulation. <i>Optical and Quantum Electronics</i> , 2021, 53, 1. | 3.3 | 25 |
| 26 | Bismuth-based photocatalyst for photocatalytic oxidation of flue gas mercury removal: A review. <i>Journal of Hazardous Materials</i> , 2021, 418, 126280. | 12.4 | 82 |
| 27 | Nanosized ZnIn ₂ S ₄ supported on facet-engineered CeO ₂ nanorods for efficient gaseous elemental mercury immobilization. <i>Journal of Hazardous Materials</i> , 2021, 419, 126436. | 12.4 | 49 |
| 28 | Microscopic Spherical $\hat{\pm}$ -Fe ₂ O ₃ for Highly Efficient Gaseous Arsenic Capture in Simulated Flue Gas Under a Wide Temperature Range. <i>Energy & Fuels</i> , 2021, 35, 19581-19591. | 5.1 | 16 |
| 29 | Preparation of CeO ₂ /CaO with Anti-sintering for Efficient Capture of As ₂ O ₃ from Flue Gas at a High Temperature. <i>Energy & Fuels</i> , 2021, 35, 20197-20205. | 5.1 | 18 |
| 30 | Investigation of CaO Influences on Fast Gasification Characteristics of Biomass in a Fixed-bed Reactor. <i>Waste and Biomass Valorization</i> , 2020, 11, 3731-3738. | 3.4 | 8 |
| 31 | Influence of BiOIO ₃ morphology on the photocatalytic efficiency of Z-scheme BiOIO ₃ /g-C ₃ N ₄ heterojunctioned composite for Hg ⁰ removal. <i>Journal of Colloid and Interface Science</i> , 2020, 558, 123-136. | 9.4 | 89 |
| 32 | Sorbents for hydrogen sulfide capture from biogas at low temperature: a review. <i>Environmental Chemistry Letters</i> , 2020, 18, 113-128. | 16.2 | 49 |
| 33 | Photocatalytic oxidation removal of elemental mercury from flue gas. A review. <i>Environmental Chemistry Letters</i> , 2020, 18, 417-431. | 16.2 | 40 |
| 34 | Constructing 2D BiOIO ₃ /MoS ₂ Z-scheme heterojunction wrapped by C500 as charge carriers transfer channel: Enhanced photocatalytic activity on gas-phase heavy metal oxidation. <i>Journal of Colloid and Interface Science</i> , 2020, 562, 429-443. | 9.4 | 62 |
| 35 | Fabrication of Z-Scheme Heterojunction g-C ₃ N ₄ /Yb ³⁺ -Bi ₅ O ₇ I Photocatalysts with Enhanced Photocatalytic Performance under Visible Irradiation for Hg ⁰ Removal. <i>Energy & Fuels</i> , 2020, 34, 16445-16455. | 5.1 | 26 |
| 36 | Study on Low-Temperature SCR Denitration Mechanisms of Manganese-Based Catalysts with Different Carriers. <i>Water, Air, and Soil Pollution</i> , 2020, 231, 1. | 2.4 | 18 |

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|----|---|------|-----------|
| 37 | Elemental Mercury Capture from Simulated Flue Gas by Graphite-Phase Carbon Nitride. <i>Energy & Fuels</i> , 2020, 34, 6851-6861. | 5.1 | 51 |
| 38 | HONEYCOMB-LIKE MESOPOROUS g-C ₃ N ₄ FOR ELEMENTAL MERCURY REMOVAL FROM SIMULATED FLUE GAS. <i>Surface Review and Letters</i> , 2020, 27, 2050017. | 1.1 | 8 |
| 39 | Experimental study on cogasification mechanisms of straw and kitchen waste in the fixed-bed gasifier. <i>International Journal of Energy Research</i> , 2020, 44, 8578-8590. | 4.5 | 5 |
| 40 | Experimental Study on the Influence of Surface Characteristics of Activated Carbon on Mercury Removal in Flue Gas. <i>Energy & Fuels</i> , 2020, 34, 6168-6177. | 5.1 | 13 |
| 41 | Molybdenum trioxide impregnated carbon aerogel for gaseous elemental mercury removal. <i>Korean Journal of Chemical Engineering</i> , 2020, 37, 641-651. | 2.7 | 5 |
| 42 | Improved NO removal from flue gas by hydrazine and its mechanism analysis. <i>Journal of Chemical Technology and Biotechnology</i> , 2019, 94, 3263-3268. | 3.2 | 5 |
| 43 | Co ₃ O ₄ /g-C ₃ N ₄ Hybrids for Gas-Phase Hg ⁰ Removal at Low Temperature. <i>Processes</i> , 2019, 7, 279. | 2.8 | 38 |
| 44 | Enhancing photocatalytic activity on gas-phase heavy metal oxidation with self-assembled BiOI/BiOCl microflowers. <i>Journal of Colloid and Interface Science</i> , 2019, 546, 32-42. | 9.4 | 73 |
| 45 | Elemental Mercury Removal by MnO ₂ Nanoparticle-Decorated Carbon Nitride Nanosheet. <i>Energy & Fuels</i> , 2019, 33, 3089-3097. | 5.1 | 50 |
| 46 | A review of sorbents for high-temperature hydrogen sulfide removal from hot coal gas. <i>Environmental Chemistry Letters</i> , 2019, 17, 259-276. | 16.2 | 53 |
| 47 | Enhanced photocatalytic activity of TiO ₂ /graphene by tailoring oxidation degrees of graphene oxide for gaseous mercury removal. <i>Korean Journal of Chemical Engineering</i> , 2019, 36, 115-125. | 2.7 | 21 |
| 48 | KINETIC BEHAVIOR OF ELEMENTAL MERCURY SORPTION ON CERIUM- AND LANTHANUM-BASED COMPOSITE OXIDES. <i>Surface Review and Letters</i> , 2019, 26, 1850141. | 1.1 | 7 |
| 49 | Elemental Mercury Adsorption by Cupric Chloride-Modified Mesoporous Carbon Aerogel. <i>Colloids and Interfaces</i> , 2018, 2, 66. | 2.1 | 6 |
| 50 | Fabrication of Carbon-Modified BiOI/BiOIO ₃ Heterostructures With Oxygen Vacancies for Enhancing Photocatalytic Activity. <i>Catalysis Letters</i> , 2018, 148, 3349-3362. | 2.6 | 21 |
| 51 | CuO/g-C ₃ N ₄ nanocomposite for elemental mercury capture at low temperature. <i>Journal of Nanoparticle Research</i> , 2018, 20, 1. | 1.9 | 33 |
| 52 | Fabrication of BiVO ₄ /BiOIO ₃ Heterojunctions via Hydrothermal Method for Photocatalytic Activity Under Visible Light. <i>Catalysis Letters</i> , 2018, 148, 3193-3204. | 2.6 | 18 |
| 53 | One-Pot Synthesized BiOI/TiO ₂ Heterostructure with Enhanced Photocatalytic Performance and Photocatalytic Treatment of Gas-Phase Hg ⁰ . <i>Catalysis Letters</i> , 2018, 148, 2337-2347. | 2.6 | 21 |
| 54 | Fabrication and Fractality of Fe ₂ O ₃ -CeO ₂ /ZSM-5 Composites for High-Temperature Desulfurization. <i>Colloids and Interfaces</i> , 2017, 1, 10. | 2.1 | 1 |

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|----|--|------|-----------|
| 55 | CeO ₂ -La ₂ O ₃ /ZSM-5 sorbents for high-temperature H ₂ S removal. Korean Journal of Chemical Engineering, 2016, 33, 1837-1845. | 2.7 | 35 |
| 56 | Cu Nanoparticles Inlaid Mesoporous Carbon Aerogels as a High Performance Desulfurizer. Environmental Science & Technology, 2016, 50, 5370-5378. | 10.0 | 27 |
| 57 | CuO-CeO ₂ /ZSM-5 composites for reactive adsorption of hydrogen sulphide at high temperature. Canadian Journal of Chemical Engineering, 2016, 94, 2276-2281. | 1.7 | 22 |
| 58 | Perovskite LaMnO ₃ /ZSM-5 composites for H ₂ S reactive adsorption at high temperature. Adsorption, 2016, 22, 327-334. | 3.0 | 29 |
| 59 | Effect of coloured TiO ₂ with different oxygen vacancy concentrations on the photocatalytic oxidation of gaseous mercury. International Journal of Environmental Analytical Chemistry, 0, , 1-10. | 3.3 | 0 |