

Environmental Science: Atmospheres

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Fundamental questions
Elemental answers





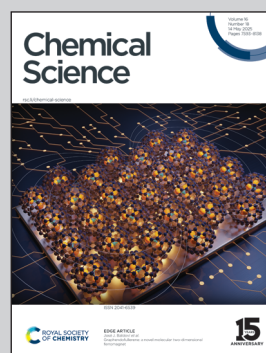
Showcasing research from Professor Liu's laboratory,
Department of Chemistry, Zhejiang University, Zhejiang,
China.

Discovery of a molecular adsorbent for efficient CO₂/CH₄ separation using a computation-ready experimental database of porous molecular materials

A computation-ready database of 7,939 macrocycles and cages accelerates the discovery of porous molecular materials for CO₂/CH₄ separation, bridging structure, property, and function.

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Chem. Sci., 2025, **16**, 7685.

As featured in:



See Linjiang Chen, Ming Liu *et al.*,
Chem. Sci., 2025, **16**, 7685.