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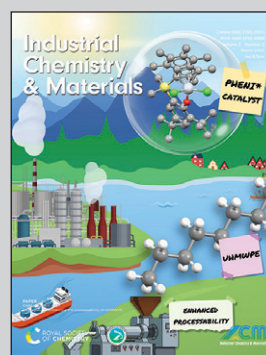
Showcasing research from Xinghui Liu's laboratory,
Hubei Institute of Aerospace Chemotechnology,
Xiangyang, China.

Enhanced pollutant photodegradation activity of graphitic carbon nitride on *via* bismuth oxyhalide graphene hybridization and the mechanism study

The Z-scheme heterojunction structure of g-C₃N₄ and Bi₄O₅Br₂ adjusts the band positions of the dominant active species, providing suitable energy levels for the generation of h⁺ and ·O₂⁻, enhanced pollutant degradation.

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As featured in:



See Xinghui Liu, Xiang Guo,
Fuchun Zhang, Yongfa Zhu *et al.*,
Ind. Chem. Mater., 2025, **3**, 191.