

Special Issue

Advanced Functional Two-Dimensional, Layered and Hybrid Composite Materials for Catalytic Applications

Message from the Guest Editor

This Special Issue aims to highlight recent advances in the design, synthesis, characterization, and catalytic performance of 2D materials, layered structures, and their hybrid composites for various optoelectronic and photocatalytic applications. The research topics of interest include, but are not limited to, the following:

- Two-dimensional and layered materials;
- Materials synthesis and applications;
- Catalysis;
- Photocatalysis;
- Electrocatalysis;
- OER;
- HER;
- Energy storage;
- Hydrogen production;
- Fuel cells.

Original research articles and comprehensive review articles (both experimental and theoretical studies) in the field of catalysis, photocatalysis, and electrocatalysis are welcomed.

Guest Editor

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Deadline for manuscript submissions

closed (30 November 2025)



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