Special Issue

Research on High-Efficiency Catalytic Materials for Energy and Environment

Message from the Guest Editor

We are pleased to announce the upcoming Special Issue of *Materials* on "Research on High-Efficiency Catalytic Materials for Energy and Environment". This SI aims to highlight recent advances and innovations in catalytic materials for applications in energy conversion and environmental protection. Key topics of interest for this SI include, but are not limited to:

- Novel synthesis methods and techniques for the preparation of catalytic materials;
- Catalytic materials for energy conversion processes and environmental applications;
- Advanced characterization techniques for understanding the structure-property relationships of catalytic materials;
- Computational modeling and simulation of catalytic processes and materials;
- High-performance catalyst design and optimization strategies;
- Sustainable and eco-friendly approaches for catalyst synthesis and manufacturing.

Researchers are encouraged to submit original research papers, reviews, and communications that contribute to this important and timely field. Thank you for your consideration.

Guest Editor

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Deadline for manuscript submissions

closed (20 January 2025)

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Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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