

Special Issue

Nanomaterials for Catalysis and Energy Storage: Design, Synthesis, and Molecular Applications

Message from the Guest Editors

This Special Issue will highlight recent advances in nanomaterials for applications in all topics of heterogeneous catalysis (electrocatalysis, photocatalysis, biocatalysis, etc.) and energy storage (batteries and supercapacitors). We welcome researchers to submit original research, review, mini review, and perspective articles on themes including, but not limited to:

- Synthesis of novel nanostructured noble-metal-based catalysts;
- Synthesis of novel nanostructured non-noble catalysts;
- Advanced shape-, size- and composition-controlled nanomaterials;
- Computation-assisted nanocatalyst development;
- Advanced characterizations of nanomaterials;
- Nanomaterials for electrocatalysis;
- Nanomaterials for photocatalysis;
- Nanomaterials for biocatalysis;
- Nanomaterials for biomass conversion;
- Nanomaterials to tackle pollution (air, water, surfaces);
- Nanomaterials for CO₂ reduction;
- Nanomaterials for petrochemistry;
- Nanomaterials for supercapacitors;
- Nanomaterials for batteries.

Guest Editors

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Deadline for manuscript submissions

closed (31 July 2023)



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Message from the Editor-in-Chief

The *International Journal of Molecular Sciences (IJMS)* is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, and molecular biophysics. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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