



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

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closed (31 July 2023)

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.





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Message from the Editor-in-Chief

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