



Functional Nanomaterials for Catalysis, Energy Storage and Sensing Applications

Guest Editor:

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Message from the Guest Editor

Functional nanomaterials are a promising area with applications in catalysis, energy storage, and sensing. Their tailored properties offer advantages over traditional materials. In catalysis, nanomaterials' high surface area and composition allow fine-tuning of catalytic activity, transforming raw materials into valuable products.

For energy storage, nanomaterials with high surface area and charge transfer enhance battery and supercapacitor performance. They can optimize energy capacity and stability, revolutionizing renewable energy systems and electronics.

In sensing, nanomaterials act as sensors by responding to changes in temperature, pressure, or specific molecules. Their high surface-to-volume ratio enables sensitive and selective detection.

These materials drive research in multiple industries, promising groundbreaking applications and enhancing people's quality of life. The Special Issue invites original research and review articles on catalysts, energy storage, and sensing applications employing nanomaterials.





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Message from the Editor-in-Chief

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