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## Structured Nanomaterials for Practical Lithium-Sulfur Batteries and Beyond

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Deadline for manuscript submissions:

**30 December 2024**

### Message from the Guest Editors

Dear Colleagues,

Great attention has recently been paid to new energy storage devices owing to a growing demand for renewable energy. Lithium–sulfur batteries are regarded as one of the most promising next-generation electrochemical energy storage devices due to their ultra-high theoretical energy density and abundant sulfur resource.

The present Special Issue of *Nanomaterials* is aimed at presenting comprehensive research on sulfur–host design and porous structured nanomaterials for lithium–sulfur batteries. This includes carbon-based materials, metal compound materials, polymer materials, and so on. We are inviting contributions from leading groups in the field to show the latest progress of nanomaterials in the field of lithium–batteries and shed light on the search of new generation energy storage devices.

See more information in

<https://www.mdpi.com/si/203792>

Dr. Yan Wang  
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*Guest Editors*



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# Special Issue



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## Message from the Editor-in-Chief

Nanoscience and nanotechnology are exciting fields of research and development, with wide applications to electronic, optical, and magnetic devices, biology, medicine, energy, and defense. At the heart of these fields are the synthesis, characterization, modeling, and applications of new materials with lower nanometer-scale dimensions, which we call “nanomaterials”. These materials can exhibit unusual mesoscopic properties and include nanoparticles, coatings and thin films, metal-organic frameworks, membranes, nano-alloys, quantum dots, self-assemblies, 2D materials such as graphene, and nanotubes. Our journal, *Nanomaterials*, has the goal of publishing the highest quality papers on all aspects of nanomaterial science to an interdisciplinary scientific audience. All of our articles are published with rigorous refereeing and open access.

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