Special Issue

Design and Optimization of Energy Materials

Message from the Guest Editors

The demand for sustainable energy solutions drives innovation in advanced materials. This Special Issue highlights breakthroughs in materials for energy generation, storage, and conversion, including photovoltaics, batteries, supercapacitors, thermoelectrics, fuel cells, and hydrogen storage. We invite original research, reviews, and perspectives on:

- **Nanomaterials for Energy Conversion:** Enhanced efficiency in solar cells, thermoelectrics, and photocatalysis.
- **Advanced Energy Storage:** Next-gen batteries and supercapacitors.
- **Sustainable Clean Energy:** Earth-abundant, eco-friendly materials.
- **Hydrogen & Fuel Cells:** Efficient storage, electrodes, and electrocatalysis.

This issue fosters collaboration and advances real-world applications, offering insights for researchers and policymakers in sustainable energy.

Guest Editors

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About the Journal

Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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