Special Issue

Advances in Synthesis and Thermal Properties of Energy Materials

Message from the Guest Editors

This Special Issue intends to provide a platform for scientists, researchers, students, and engineers to discuss recent findings and attitudes on the role of thermal properties in advanced energy technologies. Proposed topics include the state-of-the-art and perspectives on a wide range of multidisciplinary topics:

- Thermal conductivity: creating materials with appropriate thermal conductivities for use in energy storage, thermoelectrics, and electronic thermal control;
- Materials with high specific heat for effective thermal energy storage in phase change materials, solar thermal systems, and building insulation;
- Thermal diffusivity: materials with high thermal diffusivities for high-power electronics, heat sinks, and heat exchangers that require quick heat transfer;
- Thermal stability: adequate methods and instruments for investigation of the thermal stability of energy materials under various operating conditions in order to accurately predict long-term performance and reliability.

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Deadline for manuscript submissions

5 December 2025

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/si/229441

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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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