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Thermal Energy Conversion and Transport in Materials

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Message from the Guest Editor

Dear Colleagues,

As one of the basic forms of energy, thermal energy plays an important role in our daily life and in industrial applications. For applications aimed at obtaining thermal energy, such as solar thermal systems, it is important to achieve a high conversion efficiency.

This Special Issue aims to present and disseminate recent advances in the theory, modeling, experiment, and applications of materials related to thermal energy conversion and transport.

Topics of interest for publication include, but are not limited to:

- Energy conversion processes and applications related to thermal energy;
- Theory, modeling, and experiment of thermal energy conversion and transport in materials;
- Thermal management solutions;
- Heat exchanger design;
- Thermal energy storage systems;
- Phase change materials;
- Solar thermal systems;
- Thermoelectric materials.

Prof. Dr. Zuyuan Wang

Guest Editor



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Special Issue



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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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