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Research on Improvement and Application of Energy Materials Based on Advanced Polymer Materials

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Advanced polymer materials, with their unique properties and versatility, have extremely wide applications in energy material fields such as secondary batteries, supercapacitors, fuel cells, photovoltaics, phase change energy storage materials, etc., playing a crucial role in promoting the development of the energy industry across multiple dimensions such as improving storage and conversion efficiency, driving technological advancements, and fostering sustainable development. Undoubtedly, with continuous technological advancements and innovations, advanced polymeric materials will play an even more critical role in the energy industry, making greater contributions to the construction of a clean, low-carbon, and efficient energy system.

This Special Issue aims to present and disseminate the most recent advances related to the theory, design, synthesis, modelling, and modification of all types of advanced polymer materials applied in the field of energy materials.

Dr. Dongdong Li
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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