

Special Issue

Organic and Hybrid Solar Cells for Efficient Solar Power Conversion

Message from the Guest Editors

This Special Issue aims to gather a collection of papers that delve into the preparation and characterization of perovskite materials specifically tailored to photovoltaic applications. At the heart of this lies a profound interest in perovskite solar cells (PSCs), where hybrid organic–inorganic perovskite compounds serve as the absorbing materials. We warmly welcome submissions that explore various facets of PSCs, including, but not limited to, the following:

- Investigations into the formation, crystal structure, and morphology of perovskite layers.
- Studies focusing on enhancing the bandgap, efficiency, and overall performance of PSCs.
- Research addressing the toxicity and long-term stability of perovskite-based solar cells.
- Analysis of the hysteresis in current–voltage characteristics and strategies to mitigate it.

Furthermore, we encourage contributions on materials possessing perovskite structures, moving beyond conventional organic–inorganic hybrids to include inorganic perovskites. Your expertise and contributions are essential to furthering our understanding of perovskite materials in the realm of photovoltaics.

Guest Editors

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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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