Special Issue

Interface Engineering and Stability Investigation for Organic, Perovskite, and Thin Film Solar Cells

Message from the Guest Editors

This Special Issue aims to provide a platform for researchers to present their cutting-edge work on interface engineering strategies to enhance the performance and stability of organic, perovskite, and thin-film solar cells. The scope of this Special Issue includes, but is not limited to, the following topics:

- Interface modification techniques;
- Novel materials and architectures for efficient and stable organic, perovskite, and thin-film solar cells;
- Characterization techniques for interface and photoactive layer analysis, including spectroscopy, microscopy, and electrical measurements;
- Interface design and optimization for tandem solar cells and multi-junction architectures;
- Strategies to mitigate interfacial degradation and improve long-term stability;
- Device modeling and simulation studies;
- Technological advancements in scalable manufacturing processes for organic, perovskite, and thin-film solar cells.

Authors are encouraged to submit original research papers that present significant findings, comprehensive reviews, and perspectives that discuss future directions and emerging trends in the field.

Guest Editors

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Deadline for manuscript submissions

closed (30 June 2025)

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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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