

Special Issue

Innovative Functional Materials for Solar Cells: Developments and Challenges

Message from the Guest Editor

This Special Issue will focus on the innovative functional materials for solar cells, in particular, to overcome the Shockley-Queisser limit of a single junction solar cell and to boost the efficiency of next-generation solar cells. It is my great pleasure to invite you to submit original and review papers within the scope of this Special Issue. Both theoretical and experimental works of the groundbreaking materials are warmly welcomed. We look forward to your contribution in this Special Issue.

- hybrid organic/inorganic solar cells
- perovskite solar cells
- dye sensitized solar cells
- 2D materials
- transparent electrode materials
- transparent charge transfer materials
- interface engineering

Guest Editor

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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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