

Special Issue

New Advances in Material, Performance and Design of Solar Cells

Message from the Guest Editors

Photovoltaic technologies have attracted vivid attention due to the inexhaustibility of its source, and many efforts have been dedicated to improve performances and reduce costs, with focuses on both materials and conceptual designs. The main challenges deal with (i) chemical formulation, (ii) synthetic and post-process approach, and (iii) adaptation to the different environmental conditions, such as spatial, urban, building, agricultural and offshore.

- Novel photovoltaic materials (both inorganic and organic);
- Novel conversion approaches;
- Multijunction and tandem solar cells;
- Innovative concentrators;
- Technology cost reduction;
- Synthetic pathways;
- Post-processing methods;
- Characterization techniques;
- Theoretical and computational modelling;
- Space or terrestrial applications;
- Building and architectural implementation;
- Reliability and implementation of Environmental Impact Assessment .

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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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