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Novel Materials and Processes for Photovoltaic Technology

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submissions:

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Message from the Guest Editor

Photovoltaic technology is the symbol of a sustainable future in many countries around the globe. As a result, numerous investments have been made in research, development, demonstrators, and production lines. New technologies have traced the way for new materials, products, and additional market segments. Engineering, nanoscience, nanotechnology, and surface science have contributed to introducing new materials and customized processes for solar. In the last decades, many research institutes, companies, and consortia have demonstrated that the new concept of solar cell technology can achieve high performance, large application areas, and industrialization. There are different types of solar devices among the third generation photovoltaics that have recently emerged and their benefits and issues have been exhibited: dye-sensitized solar cells, hybrid and organic solar cells, quantum dot solar cells, and perovskite solar cells. This Special Issue aims to be a global reference for research and industrial developments in third-generation photovoltaics. We expect to receive original or review manuscripts that can be of interest and help to researchers, experts, and entrepreneurs.



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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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