Special Issue

Advances in Emerging Solar Cell Technologies

Message from the Guest Editor

Solar energy is considered one of the most promising energy sources that is capable of meeting our rapidly growing energy demand due to its cleanliness, sustainability, and effectiveness. To date, intensive efforts have been made to develop efficient, stable, and low-cost photovoltaic (PV) devices. This has resulted in various types of emerging solar cells, such as organic solar cells, dye-sensitized solar cells, quantum dot solar cells, and perovskite solar cells, being introduced as suitable alternatives to replace the expensive silicon-based solar cells that are currently dominating the PV market. Despite this excellent progress, there is still plenty of room to further improve the performance, scalability, and long-term stability of those cutting-edge systems. This Special Issue on "Advances in Emerging Solar Cell Technologies" is dedicated to highlighting the recent advances made in the development of state-of-the-art photovoltaic technologies. Original research articles based on theoretical/experimental studies and critical reviews are highly welcomed.

Guest Editor

Dr. Abdulaziz Bati
School of Chemistry and Molecular Biosciences, Faculty of Science, The University of Queensland, Brisbane, QLD 4072, Australia

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Energies
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
energies@mdpi.com

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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.

Editor-in-Chief

Prof. Dr. Enrico Sciubba
Department of Mechanical and Industrial Engineering, University Niccolò Cusano, 00166 Roma, Italy

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