Special Issue

Perovskite Solar Cells

Message from the Guest Editor

Perovskite solar cells are rapidly becoming a new paradigm in photovoltaic energy conversion. They have been demonstrated to compete with established materials such as silicon at the lab scale, with a power conversion efficiency exceeding 25% in single-junction perovskite-based devices. Perovskites offer the opportunity to work in tandem with other photovoltaic materials in double and triple-junction solar cells. However, there remains a challenge in making the perovskite stable under solar cell working conditions. In this Special Issue of *Energies*, we aim to present a collection of experimental and review papers reporting the most recent advances in the field. In particular, we are interested in papers detailing new solutions to increasing the stability of perovskite solar cells compatible with established technologies. We will give priority to works focusing on environmentally safe solutions, which include the use of lead-free perovskites and green processing.

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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