Special Issue

Advances in Flexible Solar Cells

Message from the Guest Editors

Flexible photovoltaic devices have attracted much attention because of their promising applications in portable or wearable electronics, power-generated textiles, building-integrated photovoltaic systems, the Internet of Things, and soft robots. Compared to their conventional rigid counterparts, such as crystalline silicon solar cells, flexible photovoltaic devices possess unique advantages of being lightweight, flexible, easy to manipulate, processable at low temperatures, and potentially low-cost. Realizing high performance of solar cells on flexible substrates is an urgent step for their practical application, including high efficiency and good stability, which is currently under intensive research on cadmium telluride, copper indium gallium selenide, organics, and perovskites. The aim of this Special Issue is to provide recent developments in flexible solar cells because of their increasing importance and rapid progress. We hereby to invite you to submit your recent work on this promising topic.

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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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