Special Issue

Toward Cost-Effective and Efficient Alternatives to Si Photovoltaics

Message from the Guest Editors

Solar energy is a non-carbon-emitting energy resource that can bring cheap energy to our daily lives. Nowadays, the drive to switch to a renewable energy economy is intensifying. In light of this, the photovoltaic industry has gone into high gear, manufacturing and installing solar cell modules across the globe at a frenzied pace and periodically achieving new record numbers. These figures will continue to increase as energy production becomes more sustainable and as the demand increases worldwide. Academic scholars and R&D teams need to meet this demand with new cost-effective designs, photovoltaic materials, and manufacturing processes.

This issue aims to publish original reports on the photovoltaic materials (light absorbers, charge-transporting layers, buffer layers, and contacts) and fabrication techniques such as high-throughput, sheet-to-sheet, or roll-to-roll printing processes that are cheaper than conventional materials and technologies but that do not sacrifice the efficiency and stability of solar cell devices. Works on perovskite solar cells, organic solar cells, and DSSC as well as other thin-film solar cells are the target of this issue.

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Deadline for manuscript submissions

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I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

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