Special Issue

Solar Cells and Energy Storage Devices II

Message from the Guest Editor

One of the major challenges of modern society is the generation of energy from sustainable sources. Currently, about 70% of the world's energy supply relies on fossil fuels, and their prolonged exploitation causes global warming associated with increased greenhouse gas emission. Since the availability of renewable energy sources such as sunlight and wind varies greatly, energy storage is also critical for their efficient utilization. This very same reason has aroused huge interest in developing high-performance solar energy conversion and electrochemical energy storage devices. Different types of solar cells (DSSC, QSSC, etc.), batteries (Li-ion, Na-ion, Mg-ion, Al-ion, etc.) and capacitors (double layer, pseudocapacitor, etc.) are demonstrated as suitable candidates for solar energy conversion and energy storage under various operating conditions. The present Special Issue invites researchers to submit original research articles, letters, as well as review and feature articles and perspective views on the technological developments and realization of various solar cells and energy storage devices...

Guest Editor

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