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Advanced Energy Materials for Flexible Perovskite Solar Cells

Guest Editor:

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Message from the Guest Editor

Photovoltaic (PV) devices play a vital role in converting solar energy into electricity, offering a promising avenue for mitigating carbon emissions and addressing the escalating demand for energy consumption. Several PV technologies have helped to shape the environment of renewable sources of energy. Perovskite solar cells (PSCs) have emerged as particularly noteworthy contenders in this area. Therefore, the pursuit of highly efficient perovskite solar cells in response to pressing economic concerns has become paramount. Driven by their physicochemical properties, high power conversion efficiencies, flexibility, low manufacturing costs, and long-term stability, perovskite solar cells are considered to be one of the most promising photovoltaic technologies. This Special Issue aims to delve into the latest achievements in perovskite solar cells, covering novel materials, device structures, technologies, and characterization methods. This Special Issue aims to provide a comprehensive overview of both experimental and theoretical approaches, showcasing the cutting-edge developments in this field.



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Special Issue



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Message from the Editor-in-Chief

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