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Progress on Performance Improvement of Perovskite Solar Cells and Modules

Guest Editor:

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Message from the Guest Editor

Photovoltaics (PV) plays a key role in the renewable energy transition to achieve net-zero greenhouse gas emission within this century. To meet the terawatt energy production demand, more innovations will be needed to improve cost-effectiveness of fabrication processes with less energy input, shortened processing time and low-cost materials. Metal halide perovskite solar cells present an emerging high efficiency technology with low cost and a wide range of application potential.

This Special Issue aims to publish high quality original research and review papers on progresses in perovskite materials and device/module performance and stability. Although the focus is on the single junction cell and module technology, advanced concepts and more diversified new deployment applications such as multi-junction devices, light management and structure integrated PV are also important topics of this Special Issue.



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Special Issue



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Message from the Editor-in-Chief

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