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Frontiers in Perovskite Solar Cells and Energy Storage

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Deadline for manuscript submissions:
closed (30 June 2023)

Message from the Guest Editors

Dear Colleagues,

Tremendous improvement in power conversion efficiency and versatile properties of halide perovskites have shown that it can be implemented in various applications including photovoltaics, light-emitting diodes, X-ray detectors, photocatalysis, and storage devices. In this regard, low-temperature processed perovskite thin films, its scalability, physical and structural characterizations, and problems associated with large-area flexible devices are key factors for commercialization of this technology. Original papers on all types of deposition techniques and all-halide perovskites including lead-free and all-inorganic perovskites and its implementation in tandem solar cells are welcome. Of particular interest are recent developments in flexible perovskite solar cells, stabilization aspects, and large-area device fabrication. Articles and reviews dealing with applications and prospects in low-cost photovoltaics and its other applications including photocatalysis, optoelectronics, metal halide perovskite solar-driven electrocatalysis and energy storage devices are very welcome.

Dr. Sawanta S. Mali
Dr. Jyoti V. Patil
Guest Editors

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Message from the Editor-in-Chief

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