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Research Progress of Halide Perovskite Materials for Photovoltaic Applications

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Deadline for manuscript submissions:

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Message from the Guest Editors

Dear Colleagues,

In recent years, organic–inorganic halide perovskites have garnered significant attention due to their remarkable photovoltaic performance. These materials possess a range of exceptional properties, including tunable band gaps, low exciton binding energies, long charge carrier recombination lifetimes, and defect tolerance. Collectively, these features make them outstanding candidates for solar cell applications.

This Special Issue aims to bring together research papers, short communications, perspectives, and review articles focusing on understanding the phenomena that contribute to the exceptional performance of halide perovskites in photovoltaic applications. Submissions may include experimental and computational studies, whether combined or separate. Additionally, studies on novel fabrication techniques and innovative device designs are welcome to provide a comprehensive overview of the state of the art in the field.



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Special issue



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Message from the Editor-in-Chief

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