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Stability, Encapsulation Strategy and Reliability Assessment of Perovskite Solar Cells

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Deadline for manuscript
submissions:

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Message from the Guest Editors

Dear Colleagues,

The Guest Editors are inviting you to submit papers to a Special Issue of *Energies* on the subject “Stability, Encapsulation Strategy and Reliability Assessment of Perovskite Solar Cells”. Since 2009, perovskite photovoltaics have reached high power conversion efficiencies (PCE), now exceeding 25%. Besides the high PCE demonstrated, this technology still suffers from operational instabilities which affect their potential route to commercialization.

Indeed, to guarantee a wide implementation of the perovskite solar cells maintaining a competitive Levelized Cost of Energy it is critical to be able to combine long-term stability with high PCE. This Special Issue will welcome, but is not limited to, works investigating the intrinsic stability (e.g., under temperature, illumination, or electrical stress) of perovskite materials and the architectures, and encapsulation strategies of the Perovskite Solar Cells to maximize the overall long term operational stability.



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Special Issue



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Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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