

Special Issue on
Perovskite Solar Cell: New Materials for Enhanced Efficiency and Stability

CALL FOR PAPERS

Perovskite solar cells (PSCs) are one of the most promising PV technologies due to the outstanding optical/electrical properties of the perovskite compounds, the low cost, and the easy manufacturing. In few years, power conversion efficiency up to 20% has been demonstrated thanks to the optimization of the perovskite materials and the interfaces.

Nevertheless, PSC stability represents the main issue which needs to be solved for its commercialization. The main issues regarding the stability of the PSC device are mainly ascribed to the humidity (environmental stability), the temperature (thermal stability), and the light (photostability).

This special issue will accept research articles and reviews about the investigation of new materials, architectures, and processes in order to enhance the efficiency and the stability of the cell under light, heating, and moisture.

Potential topics include but are not limited to the following:

- ▶ New perovskite compounds
- ▶ Alternative electron/hole transport materials
- ▶ Low-cost electrodes
- ▶ Role of the interfaces in the efficiency/stability
- ▶ Accelerated life time tests
- ▶ Encapsulation processes
- ▶ Materials and processes for the scale-up

Authors can submit their manuscripts through the Manuscript Tracking System at <https://mts.hindawi.com/submit/journals/ijp/pscn/>.

Papers are published upon acceptance, regardless of the Special Issue publication date.

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