



energies



an Open Access Journal by MDPI

Advances in Electrodes for Perovskite Solar Cells

Guest Editors:

Dr. Di Zhang

Sustainable and Renewable
Energy Engineering Department,
University of Sharjah, Sharjah
27272, United Arab Emirates

Dr. Mejd Almheiri

Department of Physics, University
of Sharjah, Sharjah 27272, United
Arab Emirates

Deadline for manuscript
submissions:

31 July 2024

Message from the Guest Editors

At present, perovskite solar cells, (PSCs) are used in academia and industry due to their exceptional optoelectronic material properties. Furthermore, the commercial feasibility and appeal of PSCs are strongly supported by their low-cost solution-friendly manufacturing methods, which are unprecedented among mainstream silicon-based cells. The potential of PSCs is clearly evidenced by the record-breaking cell efficiency progression rising from ~3% in 2009 to over 25% to date. In PSCs, as well as all other solar cells, electrodes (opaque and transparent) are essential components that critically affect the cells' photovoltaic performance and manufacturing complexity/cost. The rapidly growing interest in PSCs has fueled cell electrode research for PSCs, with there being remarkable progress recently.

This Special Issue aims to present the most recent advances related to the performance, stability, material, design, and fabrication of all types of electrodes for perovskite solar cells.



mdpi.com/si/177962

Special Issue



energies



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and
Aerospace Engineering,
University of Roma Sapienza, Via
Eudossiana 18, 00184 Roma, Italy

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Ei Compendex, RePEc, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank: CiteScore - Q1 (*Engineering (miscellaneous)*)

Contact Us

Energies Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/energies
energies@mdpi.com
[X@energies_mdpi](https://x.com/energies_mdpi)