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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

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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.



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Special Issue



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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

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Energies Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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