Special Issue

Interface Engineering for Efficient and Stable Perovskite Based Solar Cells

Message from the Guest Editors

Perovskite materials presents an amphiphilic character and long carrier transport, usually two selective layers (hole and electron) are deposited to assist charge extraction. Therefore, the proper selection of those selective contacts contributes not only in the improvement of the final performance of the solar cells but also the intrinsic stability of the device. The possibility to tune the band-gap of the perovskite material, affect the energy alignment between the charge selective layers, therefore a modification in the former materials should be considered. In addition, the layered structure requires a good connection and a perfect energy level alignment between layers in order to reduce the interface recombination.

We invite researchers to contribute to the Special Issue on interface engineering as a method to improve efficiency and long-term stability in perovskite solar cells, which is intended to serve as a unique multidisciplinary forum covering broad aspects of science, technology and the application of perovskit

Guest Editors

Dr. Manuel Salado Manzorro

Dr. Clara Aranda Alonso

Dr. Laura Calió

Deadline for manuscript submissions

closed (31 March 2021)

Crystals

an Open Access Journal by MDPI

Impact Factor 2.4
CiteScore 5.0

mdpi.com/si/61371

Crystals
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
crystals@mdpi.com

mdpi.com/journal/crystals

Crystals

an Open Access Journal by MDPI

Impact Factor 2.4
CiteScore 5.0

mdpi.com/journal/crystals

MDPI

About the Journal

Message from the Editor-in-Chief

Welcome to *Crystals*, the journal dedicated to the fascinating world of crystallographic research! Crystals are more than mere decorative elements; they hold the key to understanding the fundamental structure of matter. Our mission is to explore the crucial significance of this research across various fields. From medicine to technology, chemistry to geology, crystals play a vital role. Their structure provides insights into new advanced materials, innovative drugs, and groundbreaking technologies. Through *Crystals*, we delve into the microscopic world to discover solutions that will shape the future. Join us on a journey through the *Crystals*, where science merges with beauty and innovation.

Editor-in-Chief

Prof. Dr. Alessandra Toncelli
Department of Physics, University of Pisa, 56126 Pisa, PI, Italy

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), Inspec, Ei Compendex, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Crystallography) / CiteScore - Q2 (Condensed Matter Physics)