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Interface Engineering for Efficient and Stable Perovskite Based Solar Cells

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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

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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.

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