Special Issue

Multi-Dimensional and Multi-Scale Applications of Perovskite Materials

Message from the Guest Editors

Perovskite materials have shown great application prospects in modern thin-film optoelectronic devices such as solar cells, X-ray detectors, spintronic devices and transistors, owing to the widely tunable optoelectronic properties and simple solution processability. In recent years, solution spin-coating has been an important and widely used method for the preparation of organic and perovskite-based optoelectronic devices. It is well known that the preparation of semiconductor thin films by solution spin coating is the foundation of the modern microelectronics industry. The present Special Issue, "Multi-Dimensional and Multi-Scale Applications of Perovskite Materials", may become a status report summarizing the progress achieved in the last ten years for perovskite. This Special Issue not only provides important experimental and theoretical support for the industrialization of perovskite materials and promotes the realization of wearable flexible devices, but also promotes the development and application of perovskite at multiple dimensions and multiple scales, including the characterized techniques and optoelectronics applications.

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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.

Editor-in-Chief

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