Special Issue

Advances of Low-Dimensional Metal Halide Perovskite Materials

Message from the Guest Editors

Low-dimensional metal halide perovskites (MHPs) have emerged as outstanding materials due to their excellent optoelectronic properties and structural diversity, which exhibits great potential in the field of solid-state luminescence, photoconductor, catalysis, and solar cells. Although more and more MHPs with different structures and components have been found, the exploration is mainly based on trial-and-error strategies without guidelines or prediction. In the meantime, their applications in sensing, bioimaging, and catalysis lag far behind.

This Special Issue focuses on the most recent advances of low-dimensional metal halide perovskites, including experimental and theoretical studies and provides an exclusive opportunity to help to understand this kind of materials. Manuscripts including research articles, short communications, and reviews that are related but not limited to the following topics are encouraged to be submitted to this Special Issue.

Guest Editors

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Deadline for manuscript submissions

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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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