Special Issue

Emerging Low-Dimensional Materials II

Message from the Guest Editor

Technologies related to renewable energy and a green environment have received extensive attention in the past few decades. Recently, low-dimensional materials, such as zero-dimensional (0D), one-dimensional (1D), and two-dimensional (2D) materials, have been intensively investigated due to their unique catalytic, mechanical, electronic, and optical properties, as well as their various applications. Great efforts have been devoted to studying their synthesis strategies, unique properties, chemical reaction processes, and potential applications. Nevertheless, challenges still exist. It is therefore urgent to launch a Special Issue to appreciate new advances and to review recent progress in novel low-dimensional materials. The present Special Issue on "Emerging Low-Dimensional Materials" may become a status report summarizing the progress achieved in the last few years. Considering the context of COVID-19, we hope that both researchers and also the wider community will benefit from the outcomes of this Special Issue.

- low-dimensional materials
- nanocrystals
- sustainable materials
- emerging functional nanomaterials
- heterostructures
- energy storage and conversion

Guest Editor

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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

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