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Progress and Prospects of Perovskite Films

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Message from the Guest Editors

Dear Colleagues,

Organic and inorganic hybrid perovskites have emerged as a highly promising class of optoelectronic semiconductors, offering advantages such as facile processing, tunable bandgaps, and superior charge-transfer properties. These materials have shown great potential for various applications, including perovskite solar cells (PSCs), perovskite light-emitting diodes (PLEDs), perovskite photodetectors (PPDs), and perovskite lasers. The field of perovskite optoelectronics is inherently interdisciplinary, encompassing chemistry, physics, and materials science. Recent advancements in material synthesis and device fabrication have significantly propelled the development of perovskite optoelectronic applications.

The present Special Issue on the "Progress and Prospects of Perovskite Films" may provide a comprehensive and scholarly examination of the field of perovskite optoelectronics. This Special Issue seeks to deepen our understanding and accelerate the development of perovskite optoelectronic devices.

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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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