Special Issue

Research and Applications of ZnO Thin Films

Message from the Guest Editors

Zinc oxide (ZnO) thin films present themselves as a versatile class of materials that, over time, have captured the attention of researchers due to the balance established between their low cost and the versatility of their synthesis processes. Their optical, electrical, piezoelectric, and chemical properties have been the subject of relevant research efforts reported in the literature. Their unique electro-optical performance, represented by the combination of high optical transparency and low resistivity, together with their wide bandgap and high exciton binding energy, elects ZnO as a promising material to be applied in a wide range of applications.

The aim of this Special Issue is to gather recent advances in the synthesis, characterization, and application of ZnO thin films. We welcome original research articles, reviews, and communications that highlight innovative approaches, whether experimental or theoretical, and that contribute to a broader understanding of ZnO as a key material for future technologies.

I look forward to your contributions to this Special Issue, "Research and Applications of ZnO Thin Films."

Guest Editors

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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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