

Special Issue

Solution Processing and Properties of Oxide Films and Nanostructures

Message from the Guest Editors

This Special Issue will address the solution processing of nanostructured oxides and related hybrid materials with specific functionalities depending on processing conditions. We invite authors to contribute original research as well as review articles on the current state of research on the synthesis and processing of solution-derived oxide and nanocomposite thin films, patterned surfaces, and nanostructures, including their properties and applications.

Topics to be covered are solution synthesis, structure evolution and phase growth, fabrication, and porous or oxide nanostructures, including their assembly into functional components. The characterization by advanced analytical methods, establishment of processing–structure–property relationships, and application of solution-derived oxides in forefront technologies are addressed. Finally, integration issues in the realization of devices will also be considered.

Guest Editors

Prof. Dr. Chien-Jung Huang

Prof. Dr. Chin-Hau Chia

Prof. Dr. Kuan-Wei Lee

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Crystals
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
crystals@mdpi.com

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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

Prof. Dr. Alessandra Toncelli
Department of Physics, University of Pisa, 56126 Pisa, PI, Italy

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