

Special Issue

Optical and Spectroscopic Properties of Rare-Earth-Doped Crystals

Message from the Guest Editors

We invite researchers to contribute to the Special Issue “Optical and Spectroscopic Properties of Rare-Earth Doped Crystals”, which is intended to serve as a unique multidisciplinary forum covering all aspects of science, technology, and applications of RE-doped crystals starting from the growth techniques with specific attention to the emission features of these materials and their applications. Potential topics include, but are not limited to:

- synthesis and growth of RE-doped crystals
- new host materials for efficient emission
- upconversion efficiency
- characterisation of RE-doped crystals by spectroscopic, microscopic, and other advanced techniques
- analysis of the energy transfer processes
- biomedical and imaging applications
- integrated optics applications
- photovoltaic applications
- sensing applications

Guest Editors

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Deadline for manuscript submissions

closed (15 June 2022)



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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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