

Special Issue

Transparent Glass Ceramics

Message from the Guest Editors

Glass ceramics are a very interesting class of engineered materials capable of incorporating extreme optical, mechanical, and thermal properties. For this Special Issue, we aim to present a collection of papers encompassing a wide range of topics on transparent glass ceramics, including their developmental aspects, properties, and applications in different technological frontiers. The collection of contributed articles will also summarize recent developments in transparent glass ceramics. This Special Issue will focus on the following topics:

- Crystallization kinetics, controlled crystallization, total crystallization, laser crystallization, photo-thermo-crystallization, and microstructures;
- Transparent glass ceramics for infrared windows, low thermal expansion substrates/monoliths, solid-state lighting, waveguides, laser cavities, non-linear effects, and luminescent hosts;
- Improved mechanical strength, hardness, structural glass ceramics, transparency, and birefringence;
- Nano-glass ceramics and transparent ceramics.

Contributions on all relevant topics are welcome.

Guest Editors

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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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