Special Issue

Crystal Growth of Multifunctional Borates and Related Materials

Message from the Guest Editor

Most borate materials have attracted considerable attention, owing to their remarkable characteristics and potential applications. Nowadays, more than 1000 representatives of the anhydrous borate family are listed in the Inorganic Crystal Structure Database. These compounds are characterized by the great variety in their crystal structures, caused in the linkage of planar BO3–triangles and BO4–tetrahedra as fundamental structural units, and this leads to glass formation in viscous borate-based melts. Investigations of "conditions–composition–structure-properties" relationships can help to develop growth in technology of single crystal components for high performance electronic and optical devices for industrial, medical and entertainment applications. Our Special Issue aims to provide a forum for investigators to submit manuscripts on recent advances about borate materials.

Guest Editor

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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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