



Synthesis and Crystal Growth of Superconductors Materials

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Message from the Guest Editors

Dear Colleagues,

Understanding and controlling the fundamental properties of materials are critical to improving their functionality on every level. Significant progress in the physics of condensed matter was made through the discovery of interesting phenomena, including magnetism, ferroelectricity, superionicity, etc. It is apparently safe to state that “without the material there is no physics”.

The discovery of high critical temperature superconductivity in complex metal cuprates is one of the most remarkable events in modern science. To reveal intrinsic properties in depth and further resolve the mechanism of superconductivity, synthesizing high-quality polycrystalline or single crystals is crucial. We kindly invite researchers to contribute to this Special Issue, which is intended to provide new insights and advances in the synthesis and characterization of superconductor materials.





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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.

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