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Solution-Processed Inorganic Functional Crystals

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Message from the Guest Editors

Synthesis of inorganic crystals has been an increasingly important subject for chemical engineering researchers over the last few years, owing to their functional properties and wide applications in many fields, such as ceramics, optoelectronics, catalysts, and composites. The ability to strongly exploit functional crystals and access their properties relies on the ability to fine-tune their crystalline phase, morphology, and surface chemistry. In this regard, solution-based routes provide suitable tools for the design and fabrication of inorganic functional crystals with tailored size-, shape-, composition-, and surface-dependent properties. Furthermore, uncovering the potential applications of inorganic crystals in various fields, especially in energy and environment-related fields, have become an urgent and booming issue. The topic will account for recent advances in inorganic crystal synthesis, characterization, surface engineering, functionalization and their applications.



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Special Issue



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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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