Special Issue

Intermetallic

Message from the Guest Editor

Being extremely different in crystal and electronic structures, intermetallic compounds display a great variety of properties that justify their application. Many of them have been known for centuries, for instance the mechanical and acoustic properties of tin-rich bronze were known to the Chinese about four thousand years ago. The others have emerged in recent years, covering a broad scope of properties and applications, including superconductivity, complex magnetic phenomena, thermoelectric effect, and catalysis. In their discovery, we rely on elaborate synthetic methods as well as new and advanced tools for analyzing structure–property relations; and as our tools and methods progress, we begin to appreciate the growing complexity of intermetallic compounds that provides a vast field for emerging phenomena and materials. This makes the realm of intermetallic compounds an inexhaustible source of new compounds with new and better properties and advanced applications; it is a playground for generations of chemists, with high expectations of future remarkable discoveries.

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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