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Advances of Carborane Compounds

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Message from the Guest Editor

The times when carboranes were considered laboratory curiosities are long gone! Boron, in contrast to its neighbor carbon, prefers to form cluster motifs, reflected in the numerous forms of the pure element, which feature B₁₂ icosahedra. When paired with other elements, polyhedral boranes show a compelling structural variety. Carboranes, such as carbon-containing closo or nido cages, and also metallocarboranes, have found applications in many fields. To name a few: Coordination chemistry, study of reactive species, catalysis, supramolecular chemistry, luminescent molecules, materials science, and medicinal chemistry.

This Special Issue of Crystals will comprise fundamental and synthetic aspects of carboranes along with their multifaceted applications as single molecules and polymers. This collection of papers will certainly be of high interest to a broad audience.



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Special Issue



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Editor-in-Chief

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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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