Special Issue

Synthesis, Crystal Structures and Hirshfeld Surface Analysis of Coordination Compounds (3rd Edition)

Message from the Guest Editor

It is worth recalling that 125 years have passed since the pioneering work of Alfred Werner on the stereochemistry of coordination compounds, which emphasized the number and nature of the groups attached to the metal ion. These compounds are still compelling and experimentally demanding frontiers in modern inorganic chemistry. Every year, we observe the emergence of scientific reports on the synthesis of new complexes with unexpected bonding modes, structures, and properties. This Special Issue of *Crystals* is expected to provide an excellent platform to report results that highlight the synthesis and crystal structures of coordination compounds. Furthermore, Hirshfeld surface analysis has become a widely used method for exploring intermolecular interactions within a crystal structure in a remarkable way. As , I invite scientists from various fields to submit articles that discuss the crystal chemistry of coordination chemistry. This includes examples of synthesis and experimentally determined crystal structures. New approaches to the synthesis of coordination complexes are particularly encouraged.

Guest Editor

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About the Journal

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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