Special Issue

Coordination Polymers: Design and Application

Message from the Guest Editor

In chemistry and materials science, coordination polymers (CPs) are among the most promising materials currently available. They are constructed using a combination of organic linkers and metal ions which gives rise to the formation of various structures. When designing CPs, organic ligands and metal ions are carefully selected in order to achieve desirable structures. However, by altering the reaction conditions such as reaction pressure, temperature or guest molecules or even pH, coordination polymers can be structurally and topologically modified, which can lead to a wide variety of topologically and structurally exclusive products. Due to their diverse structures and topologies, these CPs are often used in gas storage/separation, luminescent materials, catalysis, magnetism, conductivity, etc. Although many CPs have already been reported with diverse applications, the development of new materials with unique properties still has a great deal of scope in future research.

Guest Editor

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Deadline for manuscript submissions

closed (20 February 2023)

Crystals

an Open Access Journal by MDPI

Impact Factor 2.4
CiteScore 5.0

mdpi.com/si/136186

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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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