



an Open Access Journal by MDPI

Coordination Environment for Metal Centers in Crystals

Guest Editors:

Dr. Haixiang Han

School of Materials Science and Engineering, Tongji University, Shanghai, China

Dr. Zheng Zhou

School of Materials Science and Engineering, Tongji University, Shanghai, China

Deadline for manuscript submissions: closed (15 February 2023)

Message from the Guest Editors

The design of compounds featuring an appropriate metal coordination environment is a constant pursuit in research "coordination to realize target properties The environment" could be a comprehensive concept that involves metal coordination bonds, geometries, ligand chelating/bridging patterns, etc. Taking a broader view, it can be the metal types, oxidation states, and metal/metal ratios if the compound is in a heterometallic composition. Nevertheless, all of the key variables associated with metal in a coordination compound or nanocrystal may be the key elements to control over the displaying activities of the compounds. Therefore, establishing effective approaches to tune the metal coordination environments is meaningful to design compounds for specific applications.



Specialsue





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Alessandra Toncelli Department of Physics, University of Pisa, 56126 Pisa, Pl, Italy

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions. **High Visibility:** indexed within Scopus, SCIE (Web of Science), Inspec, Ei Compendex, CAPlus / SciFinder, and other databases. **Journal Rank:** JCR - Q2 (Crystallography) / CiteScore - Q2 (Condensed Matter Physics)

Contact Us

Crystals Editorial Office MDPI, Grosspeteranlage 5 4052 Basel, Switzerland Tel: +41 61 683 77 34 www.mdpi.com mdpi.com/journal/crystals crystals@mdpi.com X@Crystals_MDPI