

Special Issue

Organic-Inorganic Hybrid Metal Cluster Compound

Message from the Guest Editors

This Special Issue on organic–inorganic hybrid metal cluster compounds will center on organic–inorganic hybrid materials and their utilization as optical and electronic functional materials for the development of new technologies. Mostly, we will focus on organic–inorganic hybrid materials containing polymers as one of the components, which will widen the scope of hybrid materials for diverse areas of applications.

For the improvement of hybrid photovoltaic systems of inorganic semiconductors and conducting polymers: (i) the right combination of inorganic and organic semiconductors should be chosen; (ii) the LUMO of the conducting polymer needs to be aligned with the conducting band of the inorganic semiconductor; or (iii) the bandgap of the inorganic semiconductor can be tuned by the quantum confinement effect. The comprehensive depiction and discussion of a variety of hybrid functional organic–inorganic materials and their contribution to the design of specific modern technologies is the prime focus of this Special Issue.

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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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