Special Issue

Organic-Inorganic Hybrids: Synthesis, Property and Application

Message from the Guest Editors

Over the past several decades, crystalline organic-inorganic hybrid materials, composed of standalone inorganic and organic moieties or modules blended at the atomic or molecular scale, have been extensively explored. In the resulting hybrid structures, the integration of the inorganic modules and organic ligands combines the superiority of the excellent electronic, optical, magnetic, thermal, and mechanical properties of the inorganic compounds and the superior structural flexibility, lightweight, processability, and functionality of organic molecules with greatly enhanced structural, chemical and physical properties. This Special Issue covers the recent development of solid-state inorganic and inorganic–organic hybrid materials that possess interesting and unique properties potentially useful for clean and renewable energy applications, including but not limited to photovoltaics, solid-state lighting, thermoelectrics, gas storage, capture and separation, catalysis and chemical sensing.

Guest Editors

Dr. Wei Liu

Prof. Xin Wu

Dr. Haoran Lin

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

mdpi.com/journal/crystals

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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

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

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