

Special Issue

Towards High-Performance and Stable Organic Solar Cells: Processing and Characterization

Message from the Guest Editors

Organic solar cells (OSCs) have become a focus of rapid development in recent years owing to the increase in their power conversion efficiencies (from 12% to 18% efficiency in 2 years) through the development of non-fullerene small molecule acceptors (NF-SMAs). This Special Issue of *Crystals* aims to receive and publish manuscripts that focus on various processing protocols and characterization techniques to study and improve the lifetimes of organic solar cells. The potential topics include, but are not limited to:

- The thermomechanical behavior of organic solar cells and organic semiconductor blends;
- The thermal transitions of organic semiconductors;
- The morphological characterization of organic semiconductors and blends using various spectroscopic and scattering techniques;
- The structure–function–property relationships of organic semiconductors, performance, and stability;
- The engineering of interfaces to develop reliable OSCs.

Guest Editors

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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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