Special Issue

Synthesis and Crystal Chemistry of Potential Electrode Materials

Message from the Guest Editor

The present *Crystals* Special Issue focuses on the crystal chemistry of crystalline compounds with the potential to become electrode or solid electrolyte materials in various energy storage systems. The aim of the present Special Issue is to explore new potential electrode materials and to improve the understanding of phase transformations between the charged and discharged states of the electrodes. We provide a welcome venue for all contributions on various related subjects. This includes but is not limited to:

- Novel cathode, anode, and ionic conductor materials for any types of rechargeable batteries;
- Synthesis and design of potential electrode structures;
- Crystal chemistry of electrode materials;
- Investigation of ion diffusion properties of crystalline materials.

Guest Editor

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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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