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Recent Advances in Novel Topological Materials

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Message from the Guest Editors

Ever since the experimental discovery of the first 2D and 3D topological insulators, there have been intense emerging worldwide research activities in searching for and identifying new topological phases of condensed matter. Recent years have witnessed the laboratory-based realization of numerous novel topological materials, such as topological crystalline insulator, Weyl semimetals and new fermion matters. The interest in this topic arises from, not only the realization of exotic theoretical concepts in fundamental physics, but also the promise of device applications, which can potentially revolutionize the entire Si-based electronics industry.

This Special Issue on “Recent Advances in Novel Topological Materials” is intended to provide a unique and timely forum aimed at covering a broad description of novel topological matters. Scientists working in this fast-developing field are invited to contribute to this cause.

Keywords

- Topological insulators/semimetals
- Topological superconductors
- Sample growth and characterizations
- Theoretical prediction and analysis

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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.

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