



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

Crystals are a very important class of structured material, both from a scientific and technological viewpoint. In 2011, the Nobel Prize in Chemistry was awarded to Dan Schechtman for his work on quasicrystals. Our journal already expresses in its name *Crystals* that its focus centers around all aspects of this class of materials, which has fascinated humankind from its beginning. Despite decades of research on crystals, it remains a hot and fascinating research topic.

Crystals is a good platform for dissemination of knowledge in this area.

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