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Topological Materials

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Message from the Guest Editors

The past decades have witnessed a rapid progress in the development of topological materials, from theoretical concepts to material realizations. Topological materials including topological insulators, topological superconductors and topological semimetals, have attracted enormous attention in the communities of condensed matter physics, material science and chemistry due to the exotic non-trivial properties such as quantum anomalous Hall effect, quantum spin Hall effect, Majorana zero mode, Berry curvature and so on. It is believed that such exotic properties can be used in the fields of dissipationless transport, topological quantum computation, spintronics, photoelectrical response and so on. Despite great progress has been made in recent years in both theory and experiment of the topological materials research, application exploitation based on topological materials are encountering many practical issues. The next step may focus on how to develop the practical application of topological materials, or to search for application-oriented topological materials.



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Special Issue



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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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