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Ferromagnetic Materials: Crystal Structure and Magnetic Properties

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Message from the Guest Editors

Magnetic materials are applied across a wide range of industries and technologies. Magnetism in matter arises from the interaction between atoms and ions inside the solids and is hence closely tied to the arrangement of those atoms within solids. Crystal structure plays an important role in determining the magnetic structure of solids. Knowledge of the crystal structure, magnetic structure, and magnetic behavior of solids is desirable from technological as well as fundamental science perspectives. This Special Issue encourages the submission of papers focused on the use of different techniques in the synthesis and sample characterization of magnetic materials, including the use of crystal growth techniques, magnetic property measurements, X-ray and Neutron scattering measurements, and magneto transport measurements. This Special Issue aims to cover the subtopics outlined in the Keyword related to the growth and characterization of magnetic 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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