Special Issue

Revolutionary Magnetic Materials

Message from the Guest Editors

Magnetic materials are foundational to numerous technological advancements, spanning data storage, energy conversion, medical diagnostics, and quantum computing. This Special Issue will highlight developments in magnetic materials, focusing on novel functionalities and their superior performance. The exploration of these revolutionary materials—from their design and synthesis to a fundamental understanding of their unique magnetic phenomena and diverse applications—represents a particularly vibrant and fast-moving area of research. For this Special Issue, both original research articles and reviews are welcome. Research areas may include the following:

- Molecular magnetism, including single-molecule magnets and magnetic metal–organic frameworks;
- Multifunctional magnetic materials (e.g., multiferroics, magnetocalorics);
- Flexible magnetoelectric materials and devices;
- Spintronic materials and phenomena in inorganic systems;
- Nanomagnetism and its applications (e.g., biomedical, data storage);
- Computational design and theoretical understanding of new magnetic materials;
- Permanent magnets and magnetic materials for energy applications

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Message from the Editor-in-Chief

Inorganic chemistry remains a lynchpin of modern chemistry, not only embracing the function and reactivity of combinations of most elements of the periodic table, but also providing a footing for studies of materials, catalysts, drugs, fuels and industrial chemicals. Arguably, the role and reach of inorganics in society have never been as great as today. Adventurous research at the heart and at the extremes of inorganic chemistry is vital to further advances and Inorganics offers authors the opportunity to publish exciting new research in an open access format.

Editor-in-Chief

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