

Special Issue

Advances in Antiferromagnetic Spintronics

Message from the Guest Editor

Antiferromagnetic spintronics is one of the emerging topics in spintronics due to a wide range of advantages, including terahertz operation, no stray field, and highly efficient spin generation. The discussion of this topic covers aspects ranging from the development of new antiferromagnetic materials to the applications of these materials in devices. Traditionally, antiferromagnets were treated as less common magnetic materials for fundamental studies and applications. However, recent miniaturisation and high-frequency operation have revealed them to be advantageous over the conventional ferromagnets. This Special Issue reviews the current status and future perspectives of antiferromagnetic spintronics. Contributions in the form of full papers, reviews, and communications about the related topics are very welcome.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

Magnetochimistry constitutes a multidisciplinary field where chemists and physicists not only study magnetic properties but also design and synthesize chemical compounds with desired magnetic properties.

Magnetochimistry is inviting contributions in any field related with this area, such as theoretical models, crystal engineering, molecular magnetism, SMM, SIM, SCM, SCO, magnetic nanostructures, magnetic MOFs, magnetic recording, qubits, magneto-caloric materials, etc. Our goal is to share your contribution in a timely fashion and in a manner that will be valued by the scientific community.

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