Special Issue

Functional Magnetic Nanomaterials and Nanostructures: Properties and Applications

Message from the Guest Editors

The development of modern experimental techniques, especially synchrotron techniques (SAXS, X-ray imaging, XMCD), has allowed scientists to obtain new knowledge concerning the nanostructure and morphology of nano-objects, as well as their physico-chemical properties. The development of our understanding of the origin of properties of nanomaterials is significantly expanding the possible application of such materials. Currently, the use of magnetic nanomaterials has become vital due to, for instance, their high catalytic, sorption activities, and attractive magnetic characteristics. However, the precise investigation of prospective nanomaterials is strictly indispensable, as it may enable the precise tuning of the properties of nanomaterials for precise exploitation methods. This Special Issue welcomes submissions from researchers who study the fundamental origin of the properties of functional nanomaterials and studies exploring their wide area of application. We hope that this Special Issue of the open access journal *Magnetochemistry* presents a platform to investigate modern synthesis methods, investigation tools, and new prospective applications of functional nanomaterials.

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About the Journal

Message from the Editor-in-Chief

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

Editor-in-Chief

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