Special Issue

Advanced Nanomagnetic Material

Message from the Guest Editors

The demand for new or improved magnetic materials has increased in recent years in light of emerging technologies such as climate-friendly electric vehicles and wind energy or recording media needed to store ever-increasing data. This motivates magnetics research to identify new approaches to determining the potential of novel magnetic materials or optimizing the performance of existing materials to suit the needs. Nanostructuring emerged as a solution to this problem as it helps to realize the unprecedented potential of magnetic materials for various applications, starting from nanocomposite permanent magnets to nanoscale magnetic materials for spintronics applications such as magnetic recording and data storage. This Special Issue is focused on this aspect where nanoscale magnetism helps to understand fundamental physics and also to develop new magnetic applications. Specifically, the strength of this issue will be the discussion of novel magnetic properties or novel engineering approaches which can only be obtained via nanostructuring of magnetic materials.

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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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