

Special Issue

Structure, Magnetic and Thermal Properties of Nanocrystalline Materials

Message from the Guest Editors

Nanocrystalline materials have functional properties, such as magnetic properties, that depend largely on their structure. In this special issue, experimental, theoretical or review articles in which nanocrystalline materials are produced and analyzed are welcome. Studies of the structure at macroscopic, micro or nanostructural level, as well as crystallographic defects are appreciated. Studies on thermal stability or mechanical properties are also welcome. Regarding magnetism, the behavior can be ferromagnetic (soft or hard); paramagnetic; ferrimagnetic and so on. Among the manufacturing techniques, in addition to traditional ones, nanocrystalline alloys are being produced using additive manufacturing techniques. In addition to theoretical or simulation studies, work using big data is also expected.

Guest Editors

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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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