Special Issue

Applications of Magnetization and Polarization for Molecules and Materials

Message from the Guest Editors

Magneto-related effects in chemistry is a field in rapid growth and expansion, involving both fundamental and applicative aspects. This Special Issue focuses in particular, but not exclusively, on magnetic field effects combined with electric field effects, with particular emphasis on electrochemical-based systems. The effect of magnetic fields on the potential and current quantities characteristic of an electrochemical cell are typical observables worth measuring, as are the entangled effects of chiral systems (chiral surfaces) and the observation of spin-related effects. The relationship, also based on purely theoretical considerations, between spin and magnetic effects and a material's electronic structure at the molecular level is also of great interest. Original papers as well as reviews on these subjects are welcome.

Guest Editors

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Dr. Francesco Tassinari
Prof. Massimo Innocenti

Deadline for manuscript submissions

closed (28 February 2021)

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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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