Special Issue

Advances in Electrochemical Properties of Magnetic Materials

Message from the Guest Editor

The electrochemical properties of magnetic materials involve their response to electrical stimuli, encompassing charge storage and transfer, reactivity in electrochemical reactions, and magnetic behavior. This Special Issue centers on advancing our comprehension and characterization of magnetic materials' properties, with a particular focus on their applications in diverse fields, including energy storage, catalysis, and biomedical technologies: (1) Synthesis and characterization of magnetic materials with improved electrochemical properties; (2) Fundamental principles and mechanisms underlying the electrochemical properties of magnetic materials, such as their charge storage and transfer capabilities; (3) Potential applications of magnetic materials in electrochemical devices, such as batteries, supercapacitors, and sensors; (4) Magnetic materials in catalytic reactions and exploring their potential for use as catalysts; (5) Magnetic materials in biomedical technologies, such as drug delivery and magnetic resonance imaging (MRI).

Guest Editor

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Deadline for manuscript submissions

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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

Prof. Dr. Carlos J. Gómez García

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