Special Issue

Design, Synthesis, Controlled Assembly and Devices Foundation of Molecular Nanomagnet

Message from the Guest Editor

Nanomagnets have attracted large attention because they exhibit many excellent magnetic properties useful for technological applications, especially the magnetic hysteresis effect can be suitable for high-density information storage. Understanding how to improve the density of magnetic storage is one of the most important challenges in developing high-density magnetic storage materials in the present and future.

This Special Issue aims to publish work pertaining to the design and synthesis of high-performance nanomagnets by experimental means and computational modeling simulations. Exploring the relaxation process of nanomagnets can provide support for potentially efficient information storage devices. We welcome all novel achievements in the improvement of nanomolecular magnets.

Guest Editor

Dr. Dan Liu
Institute of Flexible Electronics, Northwestern Polytechnical University, Xi'an 710072, China

Deadline for manuscript submissions

closed (10 May 2023)

Magnetochemistry

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 4.6

mdpi.com/si/130377

Magnetochemistry
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
magnetochemistry@mdpi.com

mdpi.com/journal/magnetochemistry

Magnetochemistry

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 4.6

mdpi.com/journal/magnetochemistry

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
Department of Inorganic Chemistry, Faculty of Chemistry, University of Valencia, C/Dr. Moliner 50, 46100 Burjasot, Spain

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Chemistry, Inorganic and Nuclear) / CiteScore - Q2 (Electronic, Optical and Magnetic Materials)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.9 days after submission; acceptance to publication is undertaken in 3.5 days (median values for papers published in this journal in the second half of 2025).