Special Issue

Advances in Magnetic Soft Materials: Synthesis, Characterization and Applications

Message from the Guest Editors

Soft magnetic materials have been used widely for almost one century. These materials can be farbricated into various high-performance devices owing to their low coercivity and high saturation magnetization and permeability. Recently, novel soft magnetic materials have been used to develop innovative devices with low loss and small size using cutting-edge micro-nano technology. This Special Issue focuses on recent developments in magnetic soft materials, focusing micro- and nano-structure aspects, including their synthesis, characterization, and applications. Contributions focusing on the topic from different perspectives are welcome. The aim of this Special Issue is to share the most recent novel findings on the growth and development of soft magnetic materials for micro-nano-systems and innovative devices, including areas of magnetic micro/nano-particles, ferrofluids, magnetic-resonance imaging, magnetic filtering, magnetic sensors, magnetic actuators, biomedical applications, etc.

Guest Editors

Prof. Dr. Zhizheng Wu
School of Mechatronic Engineering and Automation, Shanghai University, Shanghai 200444, China

Dr. Tao Wang
School of Mechatronic Engineering and Automation, Shanghai University, Shanghai 200444, China

Deadline for manuscript submissions

closed (10 July 2023)

Magnetochemistry

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 4.6

mdpi.com/si/115997

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

mdpi.com/journal/magnetochemistry

Magnetochemis

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

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 16 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the first half of 2025).