

## Special Issue

# Research in Magnetoresistance of Magnetic Materials

### Message from the Guest Editors

This Special Issue focuses on the recent great achievements in anisotropic magnetoresistance (AMR), giant magnetoresistance (GMR), tunneling magnetoresistance (TMR), and colossal magnetoresistance (CMR) in the metallic magnetic thin films and heterostructures, and on promising two-dimensional magnets. At the same time, we also welcome authors in the fields of new low-dimensional magnetism, topological magnetic states, antiferromagnetic spintronics and novel spintronic devices to submit papers. We cordially invite colleagues to submit original research articles or reviews that will fit in one of the topics listed below:

- Anisotropic magnetoresistance (AMR);
- Giant magnetoresistance (GMR);
- Tunneling magnetoresistance (TMR);
- Colossal magnetoresistance (CMR);
- Magnetic thin films and devices;
- 2D magnetism;
- Antiferro-magnetic spintronics;
- Magnetic tunnel junction;
- Hall effect; topological magnetism;
- Multiferroic thin film and devices;
- Novel electronic states in the magnetic materials;
- XMCD and XAS characterizations;
- Magnetic simulations and theory.

### Guest Editors

Dr. Yuanjun Yang

School of Physics, Hefei University of Technology, Hefei, China

Dr. Kang Wang

High Magnetic Field Laboratory, Chinese Academy of Sciences, Hefei, China

### Deadline for manuscript submissions

closed (29 February 2024)



## Magnetochemistry

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*Magnetochemistry*

Editorial Office

MDPI, Grosspeteranlage 5

4052 Basel, Switzerland

Tel: +41 61 683 77 34

[magnetochemistry@mdpi.com](mailto:magnetochemistry@mdpi.com)

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## About the Journal

### Message from the Editor-in-Chief

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#### Editor-in-Chief

Prof. Dr. Carlos J. Gómez García

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

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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).