

## Special Issue

# Spin Crossover Materials: Towards Applications in Devices

### Message from the Guest Editor

This Special Issue, entitled “Spin Crossover Materials: Toward Applications in Devices”, aims to illustrate the current relevance of a focused topic, based on spin crossover materials, which is in turn highly versatile. The spin crossover phenomenon, which was discovered almost a century ago, still attracts plenty of attention from researchers from various disciplines and is moving toward fascinating materials. In this context, spin crossover materials embedded in devices have emerged at the intersection between molecular junctions and magnetic-based molecules devices, resulting in a very exciting class of multifunctional materials. Thanks to their intrinsic properties, spin-crossover-based devices can appear with a large range of potential technological applications for spintronics, data storage, and sensing devices. This Special Issue of *Magnetochemistry* aims at publishing new research, illustrating recent achievements in spin crossover materials.

### Guest Editor

Dr. Lorenzo Poggini

Consiglio Nazionale delle Ricerche – CNR, Istituto di Chimica dei Composti OrganoMetallici – ICCOM, Area di Ricerca di Firenze via Madonna del Piano 10, 50019 Sesto Fiorentino (Firenze), Italy

### Deadline for manuscript submissions

closed (30 September 2021)



## Magnetochemistry

an Open Access Journal  
by MDPI

Impact Factor 2.5  
CiteScore 4.6



[mdpi.com/si/62488](https://mdpi.com/si/62488)

*Magnetochemistry*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[magnetochemistry@mdpi.com](mailto:magnetochemistry@mdpi.com)

[mdpi.com/journal/  
magnetochemistry](https://mdpi.com/journal/magnetochemistry)





# Magnetochemistry

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 4.6



[mdpi.com/journal/  
magnetochemistry](https://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 Burjassot, 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).