

Special Issue

Advances in Atomic Magnetometers

Message from the Guest Editors

In recent years there have been great advances in the field of **atomic magnetometers**. The performance of atomic magnetometers is improving, and their application field is becoming ever-wider; however, improving the experimental performance of atomic magnetometers, in addition to the problems encountered in their practical application, is very challenging. This Special Issue aims to publish a collection of forefront research articles that will expose the latest achievements in the study, theory, method, experimental results, and development of atomic magnetometers as well as their related application systems that impact the quantum precision measurement fields. We are particularly interested in, and invite colleagues to submit, original research articles that will fit into one of the topics listed below. We are hoping to offer a portal for some of this exciting new research with a promotional Special Issue of this open access journal.

Guest Editors

Dr. Xinda Song

Dr. Liwei Jiang

Dr. Bo Li

Deadline for manuscript submissions

closed (20 October 2023)



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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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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).