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ISSN: 0304-8853

### DESCRIPTION

The *Journal of Magnetism and Magnetic Materials* provides an important forum for the disclosure and discussion of original contributions covering the whole spectrum of topics, from basic magnetism to the technology and applications of magnetic materials. The journal encourages greater interaction between the basic and applied sub-disciplines of magnetism with comprehensive review articles, in addition to full-length contributions. In addition, other categories of contributions are welcome, including Critical Focused issues, Current Perspectives and Outreach to the General Public.

#### Main Categories:

##### *Full-length articles:*

Technically original research documents that report results of value to the communities that comprise the journal audience. The link between chemical, structural and microstructural properties on the one hand and magnetic properties on the other hand are encouraged.

In addition to general topics covering all areas of magnetism and magnetic materials, the full-length articles also include three sub-sections, focusing on *Nanomagnetism*, *Spintronics* and *Applications*.

The sub-section on *Nanomagnetism* contains articles on magnetic nanoparticles, nanowires, thin films, 2D materials and other nanoscale magnetic materials and their applications.

The sub-section on *Spintronics* contains articles on magnetoresistance, magnetoimpedance, magneto-optical phenomena, Micro-Electro-Mechanical Systems (MEMS), and other topics related to spin current control and magneto-transport phenomena. The sub-section on *Applications* display papers that focus on applications of magnetic materials. The applications need to show a connection to magnetism.

##### *Review articles:*

Review articles organize, clarify, and summarize existing major works in the areas covered by the Journal and provide comprehensive citations to the full spectrum of relevant literature.

#### Other Categories:

*Critical Focused Issues* - consist of single articles on emerging topics of interest. Articles in this category identify problems of current interest that need to be addressed in the future in order to advance an emerging subfield of magnetism. By identifying such open issues, they focus the interest of the community to the challenges ahead. Thus, unlike review articles, this category will aim more on the future and what needs to be explored, rather than on what has been explored in the past. Of course, the articles include a review aspect in order to identify the open issues and put them into perspective. The articles need not be long, exhaustive or comprehensive. They provide the vision of the authors, who are recognized experts in the field. Readers utilize these articles to focus their thinking on future endeavors. These articles should also help to generate proposals to funding agencies worldwide.

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*Outreach to the General Public* - These are articles of a general nature that highlight the importance of magnetism and stimulate the interest of the public at large. A heightened awareness of magnetism is healthy for our field. Experts who have given public lectures will be encouraged to submit their work in order for them to reach a larger community. It will also help our readers in their own communications with the public. These articles need not be long, exhaustive or comprehensive. They provide the vision of the authors. Providing the public with the importance of magnetism and magnetic materials at a level that can be understood and appreciated will be a public service. It will also inspire a new generation of students, have a positive influence on science policy, and strengthen the case of our community in the eyes of funding agencies worldwide.

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AUDIENCE. Condensed matter physicists, materials scientists, chemists, engineers, biologist and other interdisciplinary researchers.

## **AUDIENCE**

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Solid state physicists, materials scientists.

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[3] W. Strunk Jr., E.B. White, *The Elements of Style*, fourth ed., Longman, New York, 2000.

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