



Advances in Magnetic Properties of Nanostructure Materials

Guest Editor:

Message from the Guest Editor

Deadline for manuscript
submissions:
closed (20 December 2020)

It has long been clear that the basic functional properties of magnetic materials, and sensors based on them are largely determined at the nanometer level. In the transition from microcrystalline to nanocrystalline materials, mechanical, magnetic, and electric interactions on the interfaces of neighbouring grains or layers of magnetic films begin to play an essential role in the formation of their properties.

It is awared that magnetic properties are inextricably linked to the chemical composition and crystal structure of materials. Only the well-established influence of structure on properties of materials allows us to search and create materials with necessary magnetic properties purposefully.

This issue is dedicated to experimental and theoretical research works providing new insights and practical findings to advance the field of magnetic properties of nanostructure materials. Potential papers include but are not limited to the following topics covering modern magnetic materials:

- Soft and hard magnetic materials
- Magnetic soft matter
- Spintronics and magnetic nanostructures
- Magnetism in biology and medicine
- Composite magnetic materials





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Editor-in-Chief

Prof. Dr. Alessandra Toncelli

Department of Physics, University of Pisa, 56126 Pisa, Italy

Message from the Editor-in-Chief

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Contact Us

Crystals Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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