

Special Issue

Modeling and Characterization of Magnetic Materials

Message from the Guest Editors

Developments in materials science and engineering as well as in ICT tools and industrial applications present the magnetism community with new challenges in expanding the foundation of our knowledge on determining, controlling and tailoring magnetic properties, designing and characterizing new materials, developing new applications based on magnetic phenomena. The goal of this Special Issue is to offer a comprehensive overview of the state of the art in the modeling and characterization of conventional and novel magnetic materials at various length and time scales, not limited but with special emphasis to applications. We invite contributions that, among others, target the development and innovative uses of magnetic materials, the understanding of underlying physics and control of magnetic phenomenology by relating microstructure to magnetic macroscopic behavior, the improved process control utilizing or compensating for magnetic phenomena.

Guest Editors

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Prof. Dr. Alfredo Garcia-Arribas

Deadline for manuscript submissions

closed (28 February 2021)



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Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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