

Special Issue

Recent Advances of Spectroscopic Research on Magnetic Materials

Message from the Guest Editors

Light, an electromagnetic wave, interacts with materials via the charge and spin of the electrons or nucleons.

Advances in light sources, such as lasers, synchrotron accelerators, terahertz generators further expanded our scope of research activity to unprecedented level. In recent years, light scattering studies of magnetic materials have attracted much research interests. Valuable information regarding the nature of the spin excitations and the possibility of application to optically-operating spin devices is obtained through light scattering investigation of various magnetic materials.

For this special issue, we cordially invite you to contribute and share with our colleagues your research articles, reviews, and communications that will stimulate continuing efforts in the light, from infra-red (even radio-wave) to x-ray, scattering research on magnetic materials. Recent topics and progresses of light scattering research of magnetic materials including fundamental spin excitations and application to optical spin devices are encouraged.

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Message from the Editorial Board

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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