Special Issue

Recent Advances in Magnetic and Electronic Materials and Their Applications

Message from the Guest Editors

This Special Issue aims to provide a unique international forum for researchers working in magnetic and electronic functional materials to report on their latest endeavors in advancing this field. Topics of interest include the following: new pristine magnetic and electronic materials, strategies to improve the performance, theoretical understanding, physical insights into engineering high-performance magnetic and electronic materials, computational discovery of new materials, and more. This Special Issue seeks to collate cutting-edge research and developments in the field, fostering collaboration and innovation among scientists and engineers dedicated to exploring and enhancing the capabilities of magnetic and electronic functional materials. Research areas may include, but are not limited to, the following: magnetic materials; electronic materials; electronic transition; 2D magnetic materials; antiferromagnetic materials; half-metal; topological materials; spin transport; spinterface; single-molecule magnets; spin–orbit torque; spin Hall effect; multiferroic materials; and magnetoresistance.

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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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