Special Issue

Advanced Superconducting Materials and Technology

Message from the Guest Editors

The rapid development of technology observed in recent decades poses increasingly difficult challenges in the field of modern materials. Superconducting materials, especially high-temperature ones, are among the key materials for the development of modern energy industry, transport, and medicine. Hence, there is a constant search for new solutions in new, high-temperature materials through theoretical modeling and experimental work. Moreover, some materials are already so technologically mature, or will soon be, that they create the possibility of breakthroughs in many fields, from quantum computers to nuclear fusion technology. In this Special Issue, we provide a venue for presenting both theoretical and experimental research results in the field of superconducting materials, as well as reports on technological achievements using superconductivity. Full articles, short communications, and review papers are welcome for submission.

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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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