Special Issue

Novel Superconducting Materials and Applications of Superconductivity

Message from the Guest Editor

Superconductivity is a fascinating phenomenon that still eludes a comprehensive understanding, leaving room for new experiments and analysis. New materials and approaches for obtaining superconductivity are continuously being discovered, fuelling the need for fundamental investigations and theoretical studies. Moreover, some materials are now technologically mature or close to becoming so, opening the way to paradigm shifts in several fields ranging from quantum computing and sensing to nuclear fusion technology. This Special Issue, therefore, aims to provide a space for theoretical and experimental studies in superconducting materials, as well as reports on technological advances based on exploiting superconductivity. Full articles, short communications, and review papers are welcome for submission.

Guest Editor

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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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