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Advances on Ferroics and Superconducting Materials

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Deadline for manuscript
submissions:

closed (20 April 2024)

Message from the Guest Editor

New discoveries are taking place where the competition between diverse ferroic phases and superconductivity seems to play a major role, not only in the search of higher superconducting transition temperatures, but in the process of manufacturing more stable superconducting frames and other applications. Thus, this Special Issue aims to provide a key platform for new research on how superconductors and ferroics are both contributing to the development of new technologies, seeking to meet the global net zero target by 2050.

This Special Issue welcomes articles, perspectives, review papers, and theoretical or experimental studies on multifunctional systems that use superconductors, as well as the development of further applications in hybrid systems involving ferromagnets and ferroelectrics. Microscopic and macroscopic studies on the physical properties of highly textured superconducting perovskites, iron-based superconductors, multiferroic oxides, or other ferroics with direct engineering applications in the energy sector are all welcome.



mdpi.com/si/158448

Special Issue



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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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