

Special Issue

Superconducting Fault Current Limiters: Theories, Technologies, Applications and Field Experience

Message from the Guest Editor

With the rapid development of high-temperature superconducting (HTS) materials, superconducting power applications have attracted increasing attention in the power industry, particularly for electrical systems with a high proportion of renewable energies. Superconducting fault current limiters (SFCLs) have obtained many successful engineering projects around the world and can be regarded as an extremely potential solution to assist electrical systems against fault intrushes. The purpose of this Special Issue is to provide a platform for presenting the latest research results on superconducting fault current limiters. This Special Issue covers but is not limited to theories, technologies, applications, and field experience of SFCLs. We seek original research papers on theoretical, methodological, and empirical studies, as well as review papers that provide a critical overview on the state of the art of technologies. This Special Issue is open to all types of SFCLs, such as resistive type, inductive type, flux-coupling type, and saturated core type. It is also open to all voltage classes of power system protection with SFCLs.

Guest Editor

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Deadline for manuscript submissions

closed (10 September 2023)



Materials

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Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed



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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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