Special Issue

Fabrication, Characterization, and Development of Hot-Deformed Magnets

Message from the Guest Editors

1) High-performance permanent magnets are a core material in the production of motors of next-generation mobility driven by environmentally friendly electric energy. In particular, among various magnet manufacturing processes, the hot-deformation process is a promising next-generation industrial process for the production of high-coercivity permanent magnets comprising nano-sized grains. Therefore, for sustainable R&D in the permanent magnet field, significant research results regarding the fabrication, characterization, and development of hot-deformed magnets should be accumulated and shared. 2) The aim of this Special Issue is to share the state-of-the-art development in high-performance hot-deformed permanent magnets. We cordially invite you to contribute to the permanent magnet field both academically and industrially by submitting your meaningful research results regarding hot-deformed magnets. We are sure that your contribution will be of great help to the growth and expansion of the worldwide permanent magnet field. Manuscripts in the form of full research papers, communications, and review articles are encouraged.

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Deadline for manuscript submissions

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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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