Special Issue

Characterization of Metallic Materials: Microstructure, Forming and Heat Treatment (Second Edition)

Message from the Guest Editors

This Special Issue features research and review articles on the characterization of metallic materials in various material behaviors, such as solidification, forming, and heat treatment. This Special Issue focuses on all characterization methods, including all forms of microscopy (transmission electron microscope, scanning electron microscope, etc.) and analytical techniques on microstructure, interface, surface, etc. Studies focusing on analysis using computational science are also welcome. Recent studies dealing with the behavior of materials in various phenomena (solidification, phase transformation, oxidation, diffusion, deformation, and so on) that can occur in processes such as casting, plastic working, and heat treatment are suitable for publication in this Special Issue. This Special Issue aims to provide materials scientists with up-to-date information explaining the behavior of many types of metallic materials using novel approaches. This Special Issue covers all kinds of metallic materials.

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Deadline for manuscript submissions

closed (20 September 2024)

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/198455

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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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