



materials



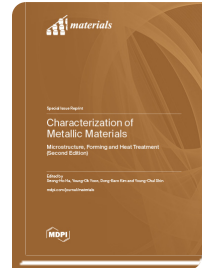
Special Issue Reprint

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

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This Special Issue features research and review articles focused on the characterization of metallic materials in various material behaviors such as solidification, forming, and heat treatment. This Special Issue encompasses 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 contained. 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 within 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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