Special Issue

Progress in Plastic Deformation of Metals and Alloys (Third Edition)

Message from the Guest Editor

The plastic deformation of engineering materials involves changes to the geometrical shape of the investigated specimen and microstructures and affects how the deformed material reacts to the imposed stresses and value of strains depends primarily on the type of material, its chemical composition, and thus on its microstructure and texture. All aspects related to plastic deformation from low to ultra-high strain, new methods, new technologies and new applications in the broadly defined field of plastic deformation, as well as innovative approaches in this area, are welcomed. In addition, we will cover thermomechanical processing, hot-rolling, heat treatment after plastic deformation, physical and numerical simulation of plastic deformation, and structural characterization.

It is my pleasure to invite you to submit your original research papers, short communications, or review articles that describe the current state of the art within the scope of this Special Issue: "Progress in Plastic Deformation of Metals and Alloys".

Guest Editor

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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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