Special Issue

Dynamic Recrystallization and Microstructural Evolution in Alloys

Message from the Guest Editor

The control of the microstructure of metallic materials through thermomechanical processing is one of the main targets of materials science. Microstructure refinement during hot or warm working by the process of dynamic recrystallization is a commonly-employed approach. That is why recrystallization and related annealing phenomena have long been recognized as being both of technological importance and scientific interest. However, although considerable advances have been made recently in the techniques available to the researcher and therefore in the understanding of the processes during deformation, many aspects in the field of deformation-induced microstructure evolution are not well understood. The purpose of this Special Issue is to collect works related to various manifestations of dynamic recrystallization during hot, warm or cold deformation. It is my pleasure to invite you to submit manuscripts for this Special Issue. Full papers, communications, and reviews are all welcome. Prof. Sergey Zherebtsov

Guest Editor

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Deadline for manuscript submissions

closed (10 July 2022)

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/11392

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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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