Special Issue

Recrystallization and Phase Transformation of Steel Materials

Message from the Guest Editor

Steel materials are widely used in various applications for their low cost and capacity for mass production. A key point of material design for steel materials is mainly the control of recrystallization and phase transformation in the manufacturing process. Moreover, the interaction between recrystallization and phase transformation plays an important part in controlling the microstructure. The long history of research on recrystallization and phase transformation of steel materials is well known. Recently, not only experimental approaches but also various approaches such as modeling, simulation, high-dimensional analysis, and machine learning have been attracting attention. These approaches have led to new and important findings. Thus, the research on recrystallization and phase transformation of steel materials will continue to increasingly develop in the future. In this Special Issue, I wish to focus on the recrystallization and phase transformation of steel materials. I would like to invite you to submit original research articles for this Special Issue.

Guest Editor

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Deadline for manuscript submissions

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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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