Special Issue

Research on Heat Treatment of Advanced Metallic Materials (2nd Volume)

Message from the Guest Editors

Advanced metallic materials are the strong foundation of modern industry. Metallic materials commonly serve as structural or functional materials for innovative designs targeting properties such as lightweight, heat resistance, wearing resistance, etc. Excellent functional properties are important for more attractive and efficient products in terms of improved properties or lower production costs. Heat treatment is a classic approach to adjust the microstructure and even the corresponding properties of advanced metallic materials. This Special Issue aims to cover recent progress and new developments in relationships between the microstructure and service properties of advanced metallic materials after heat treatment. All aspects related to heat treatment involving physical and numerical simulation, microstructural characterization, thermal–mechanical behavior, equipment, process design concepts, etc., are within its scope. Review articles that describe the current state of the art are also welcomed.

Guest Editors

Prof. Dr. Guozheng Quan

School of Material Science and Engineering, Chongqing University, Chongqing 400044, China

Dr. Chuntang Yu

School of Material Science and Engineering, Chongqing University of Technology, Chongqing 401320, China

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Materials
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
materials@mdpi.com

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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.

Editor-in-Chief

Prof. Dr. Maryam Tabrizian
1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada
2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

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