Special Issue

Heat Treatments and Performance of Alloy and Metal

Message from the Guest Editor

This Special Issue aims to publish scientific papers on the topic "*Heat Treatments and Performance of Alloy and Metal*". Contributions may include focused reviewing articles and original scientific articles concerned with fundamental and applied aspects of research or direct applications of metallic materials. This Special Issue will provide readers with up-to-date information on the recent progress in the heat treatment, processing, characterization, and applications of alloy or metal, such as titanium alloy, intermetallic, superalloys, high-entropy alloy, etc. Papers submitted to this journal are expected to be in line with the following aspects of processes and properties/performance:

- enhancing the properties of metals by heat treatment or alloy design;
- heat treatment technology;
- experiment and modeling;
- characterization of microstructure and performance;
- precision forming technology;
- composition-microstructure-property relationships;

Manuscripts must be written in good English and contain a balanced and up-to-date reference list formatted according to the guide for authors.

Guest Editor

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Deadline for manuscript submissions

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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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