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Precipitation and Characterization of Light Alloys

Guest Editor:

Dr. Qinghuan Huo
School of Materials Science and Engineering, Central South University, Changsha 410083, China

Deadline for manuscript submissions:
closed (30 September 2023)

Message from the Guest Editor

Light alloys such as aluminum and magnesium are important materials for the automobile, aircraft, and electronic industries. In recent decades, fruitful studies have reported the microstructure characteristics, mechanical properties, and advantages of light alloys. However, there are still many unproven theories and unsolved problems in light alloys. Thus, to further trigger the development of light alloys, it is imperative to research the relationship between microstructure characteristics and mechanical properties more in depth. It is for this reason that we are launching the present Special Issue on "Precipitation and Characterization of Light Alloys". This Special Issue shall collect outstanding research on light alloys around the world, including but not limited to heat treatment, plastic processing, microstructure characterization, mechanical properties, precipitation, phase transformation, magnesium, aluminum, titanium, shape memory alloy, SEM, EBSD, FIB, TEM, and in situ X-ray.

It is our pleasure to welcome you to submit your work to this Special Issue on "Precipitation and Characterization of Light Alloys" in Metals.

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Department of Materials Science and Engineering, College of Engineering & Applied Science, University of Wisconsin-Milwaukee, 3200 N. Cramer Street, Milwaukee, WI 53211, USA

Prof. Dr. Yong Zhang
Beijing Advanced Innovation Center of Materials Genome Engineering, State Key Laboratory for Advanced Metals and Materials, University of Science and Technology Beijing, 30 Xueyuan Road, Beijing 100083, China

Message from the Editorial Board

Metallic materials play a vital role in the economic life of modern societies; contributions are sought on fresh developments that enhance our understanding of the fundamental aspects related to the relationships between processing, properties and microstructure – disciplines in the metallurgical field ranging from processing, mechanical behavior, phase transitions and microstructural evolution, nanostructures, as well as unique metallic properties – inspire general and scholarly interest among the scientific community.

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Journal Rank: JCR - Q2 (Metallurgy and Metallurgical Engineering) / CiteScore - Q1 (Metals and Alloys)

Contact Us

Metals Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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