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Mechanical Performance and Microstructural Characterization of Light Alloys

Guest Editor:

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Deadline for manuscript submissions:
closed (20 November 2023)

Message from the Guest Editor

Dear Colleagues,

Light alloys, such as aluminum and magnesium, are important materials for the automobile, aircraft, and electronic industries. In recent decades, fruitful studies have reported on the microstructure characteristics, mechanical performance, and the advantages of light alloys. Many outstanding studies have accelerated the fast progress of our everyday life. Of course, to the best of our knowledge, there are still many unknown theories and unsolved problems in light alloys. Thus, to further trigger the development of light alloys, we should research the relationship between microstructure characteristics and mechanical performance more deeply. For this reason, the present Special Issue “Mechanical Performance and Microstructural Characterization of Light Alloys” is proposed. This Special Issue aims to collect excellent studies on light alloys from around the world, including but not limited to aluminum alloys; magnesium alloys; mechanical performance; microstructure characterization; heat treatment; plastic processing; precipitation; phase transformation; SEM; EBSD; FIB; TEM; and in situ X-ray.

We welcome your excellent contribution.

Prof. Dr. Qinghuan Huo

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Message from the Editor-in-Chief

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