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Structure and Mechanical Properties of Alloys, Volume III

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Message from the Guest Editors

Dear Colleagues,

After our successful first two volumes of this Special Issue, “Structure and Mechanical Properties of Alloys”, we have decided to create a third volume to collect and publish state-of-the-art research on the structure–mechanical property relationship in metallic materials.

This third volume of this Special Issue, like the first two ones, will focus on the contemporary trends in material engineering related to metallic materials with a special emphasis on the effect of grain size, structure modifications using thermal, chemical, surface, and mechanical treatment, as well as on the decrease in the specific weight of the finished elements using light metal alloys such as those containing aluminum, magnesium, and titanium.

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Guest Editors



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Special Issue



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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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