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Progress in Light Alloys

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Message from the Guest Editors

Dear Colleagues,

Light alloys refer to alloys with relatively low density, containing not only aluminum, magnesium and titanium, but also lithium, sodium and potassium. These alloys have many remarkable physical and chemical properties; thus, they are widely used in various industrial fields. Aluminum is a light, strong, corrosion-resistant metal with excellent electrical and thermal conductivity. Magnesium is a very light metal with high strength and rigidity. Titanium is a type of metal with high strength and rigidity and excellent corrosion resistance. They are widely used in aerospace, automotive, construction, packaging, electronic products, medical equipment, chemical equipment, and marine development, among other fields. This Special Issue focuses on the preparation, processing, modification, microstructure, mechanical properties, and new applications of light alloys. This Special Issue is also interested in the new application of light alloys in hydrogen storage, such as magnesium-based hydrogen storage materials, and hydrogenated titanium, among others.

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Message from the Editor-in-Chief

Welcome to *Crystals*, the journal dedicated to the fascinating world of crystallographic research! Crystals are more than mere decorative elements; they hold the key to understanding the fundamental structure of matter. Our mission is to explore the crucial significance of this research across various fields. From medicine to technology, chemistry to geology, crystals play a vital role. Their structure provides insights into new advanced materials, innovative drugs, and groundbreaking technologies. Through *Crystals*, we delve into the microscopic world to discover solutions that will shape the future. Join us on a journey through the *Crystals*, where science merges with beauty and innovation.

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