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Phase Structure and Functional Properties of Materials

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Message from the Guest Editors

With the development and increasing requirement of technology, the functional properties of classic materials have been exploited and are attracting increasing attention. For example, the magnesium alloys have perfect biocompatibility and biodegradable properties promising application as biomaterials and have high damping properties and EMI-shielding properties for application in 3C products and other related fields. Aluminum foams are attractive functional materials for their high-energy absorption capabilities, relatively low thermal conductivity, good electrical conductivity, high acoustic damping, and high fire retardation. There are many other classic materials being developed as functional materials, such as bio-titanium alloys used as biological materials, magnetic steels, primary Mg/Al batteries, and so on.













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Message from the Editor-in-Chief

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