Special Issue

Intermetallics—Current Research and Applications

Message from the Guest Editor

Although work on alloys based on intermetallic phases started already in the previous century (mainly in the field of Ni–Al, Fe–Al, and Ti–Al balance systems), they are still seen as perspective materials. The indicated group is gradually expanded with new materials, for example, for the following systems: Mo–Si, Nb–Si, Ti–Si, Ni–Sn, Cu-Sn, Pt-Sn and Pt-Al. Given the abovementioned special properties of these materials, their suitability in a wide range of practical applications is tested. There are also works aimed at improving the processing technology of intermetallic alloys, including additive manufacturing of construction elements with mass, porous or graded structure. The aim of the current Special Issue is to collect the recent research and advances, particularly on microstructures and various types of properties of a wide range of intermetallics. Original research papers, state-of-the-art reviews, and discussions are welcome.

Guest Editor

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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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