

Special Issue

Research on Forming and Serving Performance of Advanced Alloys

Message from the Guest Editor

In various key application fields, metal components with high performance are urgently needed, which leads to research on the forming and service performance of advanced alloys becoming more and more important. Advanced alloy design and heat treatment processes are required to develop alloys that meet different requirements. The aim of this issue is to discuss recent advances and new developments in the relationship between forming methods and service performance of advanced alloys. The scope of the issue is not only limited to component forming methods but also includes advanced alloy design, physical and numerical simulation, microstructure characterization, equipment and process design concepts, etc. This Special Issue welcomes research and review papers in related fields.

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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