Special Issue

Materials with Shape Memory: Phase Transformations, Microstructure and Properties

Message from the Guest Editor

Currently, materials with shape memory are used in medicine as implants for the treatment of socially significant diseases and in the aerospace engineering and automotive industries; they also have great potential in micro-robotics. This Special Issue is devoted to both fundamental studies of nature and mechanisms of shape memory effects realization in materials, and the applied development and application of these materials. This issue of the journal aims to cover the topic of materials with shape memory as much as possible, and will include both articles presenting new original results and reviews of recent research and specific applications. Manuscripts will be welcomed from researchers working in higher education and research institutions, as well as industrial companies that develop and produce products using materials with shape memory. Keywords

- shape memory materials
- microstructure
- fundamental properties
- developments

Guest Editor

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Deadline for manuscript submissions

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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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