



materials



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Advances in Materials Processing (Second Volume)

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Message from the Guest Editor

Since industrial development began, materials processing is central to the field of materials science and engineering, and is a vital step in manufacturing. Materials processing is an important process for realizing the structural features (e.g., crystal structure, microstructure, size, and shape) required for the product to perform well in the intended application by properly utilizing and designing the composition of a given material. Recently, trends in the high-tech industry are pushing toward miniaturization, the creation of products with complex shapes, and multi-functional materials. To keep up with ever-increasing demands, materials processing has been continuously advancing in terms of production, efficiency and performance qualification.

The main aim of the Special Issue is to discuss the topics of processing, manufacturing, structure/property relationship and applications in advanced materials. All of the single phase and alloy, and composite materials in metals, ceramics, and polymers are of interest.



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Special Issue



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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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