Special Issue

Advances in Nanomaterials and Composites Materials for Multifunctional Applications

Message from the Guest Editor

Nanomaterials and composite materials have been widely used in automobile, telecommunication, medical, electronics, renewable energy, and other industries. For instance, because of their good adhesive qualities and low dielectric constant, inexpensive oxide-based composites are attractive for use in electronic applications. By lowering their thermal conductivity, these composite materials can be created to enhance the performance of thermoelectric materials. The improved thermoelectric properties are important for thermal management of electronics operating at elevated temperatures. The analytical framework that may be utilized to design and predict the thermal and electrical properties of composite materials is the secret to successful applications. In this context, our Special Issue is intended to provide a platform for sharing recent advances in basic as well as applied research of nanomaterials and composite materials.

Guest Editor

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Deadline for manuscript submissions

closed (20 August 2023)

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
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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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