Special Issue

Inorganic Nanoparticle-Polymer Composites

Message from the Guest Editor

In recent years, the research and development of inorganic nanoparticles and polymer composites have attracted interest in many technological areas, with the aim of improving the properties of the functional materials. The most commonly used compounds include carbon allotropies or organic polymers, while metallic and semiconducting nanomaterials are usually used as the inorganic counterparts. One of the most important factors is the fact that they can be easily manipulated using different shaping technologies (e.g., chemical deposition, spin-coating, 3D printing). Other factors include their light weight, low deposition cost at ambient conditions, solution-based manufacturability, excellent adhesion, and easy scalability. Therefore, I invite all researchers in this field to contribute their latest results, as well as review the articles in the upcoming Special Issue, in order to aid the development of knowledge and application of inorganic nanoparticle–polymer composites in the future.

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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