

Special Issue

Carbon Nanostructures in Composite Materials: Influence of Composition and Structure on Properties and Potential Application

Message from the Guest Editor

Flagship carbon nanomaterials with fullerenes, nanotubes, and graphene enjoy unflagging interest. Currently, many studies are at the stage of dedicated modifications and are searching for advanced applications for these nanomaterials. This Special Issue will be an international forum to share the achievements of novelty materials specialists. Feel free to submit original manuscripts on the synthesis, modification, and characterization of carbon nanomaterials and their composites, with particular emphasis on searching for their applications. The following are some specific topics that we are interested in: carbon nanomaterials as electrode materials, both as a main component and as composite components; characterization of novel carbon materials, particularly, for use in a sodium-ion battery (SIB); defects in the structure of carbon nanomaterials, particularly, defects observed in Raman spectroscopy and transmission electron microscopy (TEM); modeling of defects in the structure of graphene and confrontation theoretical results with the experiment.

Guest Editor

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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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