Special Issue

Functional Carbon-Based Nanomaterials and Nanocomposites

Message from the Guest Editors

Carbon-based nanomaterials have numerous merits, including a large specific surface area, low density, high mechanical strength, and characteristic 3D structure, and can be widely functionalized through various chemical routes, which makes them a key component for the development of novel functional nanocomposites. This Special Issue covers general topics on functional carbon-based nanomaterials and nanocomposites. The scope of this issue can be expanded from the synthesis and design of functional carbon-based nanomaterials to the fabrication and application of nanocomposites, which would benefit academia and industry as well. Interdisciplinary approaches are also much welcomed. The issue will publish full research papers, communications, and reviews. We anticipate that this Special Issue could serve as a certain guiding role for the study of functional carbon-based nanomaterials or nanocomposites and stimulate a broader range of studies as well, leading to significant progress in this area.

Guest Editors

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Message from the Editorial Board

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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