Special Issue

Recent Advances in Carbon-Based Nanomaterials

Message from the Guest Editor

In the past few years, we have witnessed significant advances in the fabrication and/or functionalization of carbon-based nanomaterials, such as graphene, carbon nanotubes, carbon nanofibers, nanodiamond, fullerenes, and other nano-scaled carbon allotropes. Meanwhile, carbon-based nanomaterials have been continuously explored for a variety of applications, such as energy storage, energy harvesters, catalysts, sensors (biosensors or chemical sensors and physical sensors), water treatment, and biomedical applications. Carbon-based nanomaterials have also been widely studied for the development of functional nanocomposite materials by combining with other nanomaterials or matrices such as polymers, metals, or ceramics. These nanocomposite materials demonstrate unique properties for broad applications. In this Special Issue, we invite colleagues to submit original research articles, communications, and reviews regarding recent advances of carbon-based nanomaterials. The issue will cover all aspects relevant to carbon-based nanomaterials, including new fabrication/functionalization methods as well as their new applications.

Guest Editor

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Editor-in-Chief

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