Special Issue

Carbon Nanostructures: Synthesis, Characterization, Properties, and Applications

Message from the Guest Editor

Two main research approaches are particularly important for the wider application of nanocarbons: optimization of their synthesis methods and surface functionalization. In order to take full advantage of the possibilities offered by these materials, it is crucial to investigate and understand the synthesis mechanisms, characteristics methods, and physicochemical properties. On the other hand, effective functionalization by low-cost methods and detailed characterization of synthesized nanomaterials is the first step toward utilizing the whole spectrum of their applications.

The purpose of this Special Issue is to present the latest developments in the field of research on carbon nanostructures. Articles are sought on the synthesis of carbon nanostructures, their chemical functionalization, as well as their usage in sensing, electrochemistry and photochemistry, catalysis, composites, energy harvesting and storage, adsorption, and more.

For more information, you can click the following link: https://www.mdpi.com/journal/materials/special_issues/carbon_nano_synthesis_properties

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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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