Special Issue

Innovative Technologies in Carbon Based Materials

Message from the Guest Editor

This Special Issue is devoted to the description of technologies for the preparation of a wide range of carbon and carbon-containing materials, as well as the characterization of their structure and properties. The depiction of new approaches and experimental methods for research on carbon materials is suitable for this Special Issue. Carbon is one of the most intriguing elements in the periodic table. While some carbon materials are already widely used in industry, others are the focus of attention of researchers in both fundamental and applied sciences. Carbon has several types of electron hybridization, such as sp3 (diamond), sp2 (graphite), sp (carbyne), as well as mixed hybridization. The nanostructured forms of such materials have a high potential for various high-tech applications. The aim of this Special Issue is a generalization of new experimental and theoretical data in the field of carbon materials. You are welcome to submit a manuscript(s) for this Special Issue. Full papers, communications, and reviews are suitable and expected.

Guest Editor

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Deadline for manuscript submissions

closed (20 June 2022)

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/72842

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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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