Special Issue

Carbon or Graphene Based Thin Films: Preparation, Properties, and Applications

Message from the Guest Editor

Carbon- and graphene-based materials have shown great usefulness because they can be chemically combined with other materials to obtain new interesting materials with new chemical and physical properties. As a result, they exhibit excellent characteristics, such as good electrical conductivity, high electrical charge density, high thermal conductivity, control of energy gap, interesting optical properties, and many others. Studies of these materials allow their application in many fields for the production of materials based on thin-film carbon structures of a wide range of applications. Especially in recent years, the thin film technology of structures based on carbon materials, including graphene, has been dynamically developing. The production of thin film carbon structures using various techniques and their potential application requires their specialized characterization and determination of their physical and chemical properties.

Guest Editor

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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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