

Special Issue

Nanocomposites: Structure, Properties and Application

Message from the Guest Editor

This Special Issue is devoted to recent advances in nanocomposite research. The development of structural and functional nanocomposites is addressed in the context of different materials as well as their synthesis, properties, and functionality necessary for applications in different areas. The list of matrix materials to be considered contains polymers, ceramics, rubber, materials for organic photovoltaics, electrochemical materials, dyes, etc. As for fillers providing nanocomposite characteristics, we summarize semiconductor quantum dots, noble metals, metal oxides, carbon nanotubes, etc. Significant attention will be devoted to the physical and chemical properties of nanocomposites as well as their application, including devices of different kinds.

Guest Editor

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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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