Special Issue

Advances in Organic Synthesis of Functionalized Nanomaterials and Their Application

Message from the Guest Editor

Nanomaterials have existed on Earth since ancient times, even before the first human appeared. The first nanomaterials made by humans were Damascene steel weapons and the Lycurgus Cup. Since then, nanomaterials have come a long way and are now an indispensable part of our lives. Organic reactions are one of the basic methods for the preparation of functionalized nanomaterials, both by direct synthesis from precursors and by post-functionalization of already prepared materials. Functionalization makes it possible to create advanced materials and thus expand the possibilities of their use in biomedical, environmental, textile, and packing applications, sensors, catalysis, electronics, and other fields. Authors of original research papers and comprehensive reviews are welcome to contribute to this Special Issue to summarize the current state of the art and help other scientists to find in one place advances in the preparation or modification of nanomaterials by organic reactions and their application in a wide range of fields.

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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