Special Issue

New Advances in Nanomaterials

Message from the Guest Editors

In the past few decades, extensive research efforts have been focused on developing novel nanomaterials for use in various applications, such as electronics, detection of nanodevices, photovoltaics, and so on. Nanomaterials have increasingly received attention in the academic and industry society, since they can obtain advanced properties through controlling the size of the materials. Thus, the development of nanomaterials is always an interesting and challenging research topic. In obtaining high-performance nanomaterials, the materials design concept plays a key role, since this can guide the synthesis of novel and useful materials. In addition, preparation techniques for nanomaterials are also crucial. Thus, designing novel nanomaterials and investigating the relationship between structures as well as the size and properties of materials are important for progress in nanomaterials. Nevertheless, it is a challenging process to develop nanomaterials and determine the maximum potential of their properties for use in industry applications.

Guest Editors

Prof. Dr. Haichang Zhang

Dr. Maning Liu

Dr. Zhifeng Deng

Prof. Dr. Daohai Zhang

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Materials
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
materials@mdpi.com

mdpi.com/journal/materials

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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.

Editor-in-Chief

Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada
2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

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