Special Issue

Novel Nanomaterials and Their Applications in the Fields of Biomedicine and Optoelectronics

Message from the Guest Editor

Nanogel is a promising drug-delivery vector in the improvement of the effects of antitumor drugs. Many kinds of nanogels have been developed to encapsulate antitumor drugs. Nanogels can be prepared with the physical assembly method or the chemical synthetic method. Hydrogel is widely used in drug delivery and tissue engineering. Many kinds of methods have been developed to prepare functional hydrogels, such as wound-healing materials, biosensing materials, and cytoskeletons. This Special Issue aims to provide a platform for in-depth discussion on the strategies for the development of nanosized, hydrogel-based materials. We welcome papers exploring topics including, but not limited to, the following: approaches to synthesizing nanogels; various applications of nanogels in drug delivery and tissue engineering.

Guest Editor

Prof. Dr. Jinfeng Xing

Department of Fine Chemical Engineering, School of Chemical Engineering, Tianjin University, Tianjin 300350, China

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

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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.

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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