Special Issue

Surface Properties of Nanoparticles and Their Applications in Biomedicine

Message from the Guest Editor

Controlling the surface properties of nanoparticles has been one of the most promising developments in nanomaterials science. Although the intrinsic properties of bare nanoparticle surfaces depend on the elemental composition, size, and shape of the particles, surface functionalization dramatically changes their overall chemical and physical properties because of the high surface-to-volume ratio. In this Special Issue, I invite researchers to submit original full papers, communications, and review articles on any of the abovementioned topics. I particularly welcome contributions dealing with recent advances in controlling the surface properties of nanoparticles for various biomedical and bioanalytical applications. Authors can submit their manuscripts online at https://www.mdpi.com/journal/materials/. Please mention clearly in the cover letter that the manuscript is to be considered for publication in this specific Special Issue. All manuscripts will undergo a routine peer-review process, and accepted manuscripts will form part of the Special Issue .

Guest Editor

Prof. Dr. Jae-Seung Lee

Department of Materials Science and Engineering, College of Engineering, Korea University, Seoul 02841, Korea

Deadline for manuscript submissions

closed (31 May 2021)

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/33689

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

mdpi.com/journal/materials

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/journal/materials

MDPI

About the Journal

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

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Ei Compendex, CaPlus / SciFinder, Inspec, Astrophysics Data System, and other databases.

Journal Rank:

JCR - Q2 (Metallurgy and Metallurgical Engineering) / CiteScore - Q1 (Condensed Matter Physics)