Special Issue

Peptide Nano-Chemistry and Nanotechnology: Materials Synthesis, Properties, and Applications

Message from the Guest Editor

Peptides have been widely used for materials science, nanotechnology, analytical science, biomedicine, tissue engineering, and other fields due to their high biocompatibility, high bioactivity, tailored sequences/functions, flexible self-assembly ability, and biomimetic properties. Although a lot of studies have been done in this promising research field, it is still necessary and important to conduct further investigations on the nanochemistry and nanotechnology related to peptides. The corresponding collections may be focused on these topics: (i) modification/functionalization of nanomaterials and surfaces with peptides for various applications, (ii) novel nanomaterials via the self-assembly of peptides with unique chemical, physical, and biological properties, (iii) synthesis and applications of peptide-based hybrid nanomaterials, and (iv) fabrication of peptide nanomaterial-based devices for advanced applications. Therefore, in this Special Issue, we would like to gather contributions from you on these topics (but not limited to them). Both original research and review papers are welcome.

Guest Editor

Prof. Dr. Gang Wei

College of Chemistry and Chemical Engineering, Qingdao University, Qingdao 266071, China

Deadline for manuscript submissions

closed (10 January 2023)

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/94384

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

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)