Special Issue

Structure, Properties and Application of Metal and Composite Materials in Various Industries

Message from the Guest Editor

Currently, the industry is developing rapidly and requires the use of new, promising metals with a high resource and improved properties. As you know, the properties of a material are greatly influenced by its structure. Today, material properties can be optimized using a variety of modeling techniques. The use of composite materials allows the manufacture of lightweight and reliable tools for various applications. The study of their properties will expand the scope of their application, as well as create materials with new properties. We would like to present a Special Issue devoted to the study of the structure and properties of both metallic and various composite materials, modeling their properties and designing products from them for various industries. Topics of this Special Issue include but are not limited to:

- Research of the structure and properties of metallic materials;
- Influence of structure on the properties of metals and composite materials;
- Composite materials;
- Film materials and coatings;
- Modeling and optimization of properties of metal and composite materials;
- Application of composite materials.

Guest Editor

Prof. Dr. Oleg Tolochko

Materials Science Department, Peter the Great St. Petersburg Polytechnic University, St. Petersburg, Russia

Deadline for manuscript submissions

closed (20 May 2022)

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/87063

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)