Special Issue

Functional Inorganic Materials: Preparation, Characterization and Application

Message from the Guest Editor

Stones and animal bones were most likely the very first inorganic materials used by humankind in ancient times. Throughout the ages, inorganic materials were used for their various functions, such as a high strength and toughness, dielectricity, semiconductivity, magnetism, superconductivity, etc. Today, functional inorganic materials play an indispensable role in modern society. This Special Issue covers a wide range of topics related to the preparation techniques, characterization, and applications of functional inorganic materials, from conventional ceramics to semiconductors, biomaterials, nanomaterials, porous materials, ionic conductors, dielectrics, magnetic materials, phosphors, inorganic-organic hybrid materials (such as newly emerging perovskite solar cells), and even materials that may be used in the future, providing a forum to discuss the future prospects of inorganic materials. I hope that you enjoy participating in this Special Issue by contributing your original research articles or review papers.

Guest Editor

Prof. Dr. Yuta Matsushima

Department of Chemistry and Chemical Engineering, Yamagata University, Yamagata, Japan

Deadline for manuscript submissions

closed (20 September 2023)

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/119080

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)