Special Issue

Materials under Pressure

Message from the Guest Editors

Pressure, like temperature, is one of the fundamental thermodynamic variables. High-pressure research has been advancing in recent decades with the development of various high-pressure instruments and probing techniques using synchrotron radiation light sources. Recent high-pressure research has shed a new light on condensed matter physics, chemistry, and materials science, including high Tc superconductors, exotic metals, pressure-induced transition, auxetic materials, molecular storage of transmitting media, dislocation and grain rotation of nanomaterials, etc. Studies on pressure dimension are rapidly expanding and providing challengeable and potential issues of science and technology.The upcoming Special Issue, entitled “Materials under High Pressure”, aims to present diverse fields, including 1) experimental, theoretical, and computational research of material physics, chemistry, and application, and 2) synchrotron-based technical approaches and others.

Guest Editors

Dr. Yongmoon Lee

Department of Geological Sciences, Pusan National University, Busan 46241, Republic of Korea

Prof. Dr. Donghoon Seoung

Department of Earth Systems and Environmental Sciences, Chonnam National University, Gwangju, Korea

Deadline for manuscript submissions

closed (17 February 2022)

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/58552

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)