Special Issue

Synthesis, Characterization and Application of Metal-Organic Framework Materials

Message from the Guest Editors

Metal Organic Frameworks or MOFs are a class of highly porous crystalline materials that irrupted into material science over 20 years ago. Many types of MOFs have been reported, with a variety of interesting properties like luminiscence, high pollutant adsorption capacity, electrical conductivity, energy storage, etc. Focusing on the new advances in MOFs, we would like to invite you to participate in this Special Issue, called “Synthesis, Characterization and application of Metal-Organic Framework materials” to showcase new synthesis methods, innovative applications, throrough characterizations that could enlight the interesting physical and chemical properties of these materials. Also, aiming to the practical application, industrialization and sustainable production/use of MOFs.

Guest Editors

Dr. Manuela Leticia Kim

Department of Chemistry and Materials, Faculty of Textile Science and Technology, Shinshu University, Ueda Campus, Ueda, Japan

Dr. Eugenio Hernan Otal

Department of Materials Chemistry, Faculty of Engineering, 4-17-1 Wakasato, Nagano 380-8553, Shinshu University, Nagano Campus, Nagano, Japan

Deadline for manuscript submissions

closed (20 March 2023)

Materials

an Open Access Journal by MDPI

Impact Factor 3.1
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/124640

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 3.1
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 - Q1 (Metallurgy and Metallurgical Engineering) / CiteScore - Q1 (Condensed Matter Physics)