

Special Issue

Advanced Coordination Polymers

Message from the Guest Editor

The field of coordination polymers has been growing during the last decades, because of the enormous variety of interesting molecular topologies they present, often unprecedented in inorganic compounds and in minerals, and of their excellent properties with promising applications in gas storage, gas/vapor separation, size-, shape-, and enantio-selective catalysis, luminescent and fluorescent materials, and drug storage and delivery. The framework topologies are primarily dependent upon the structural features of the building block units, i.e., the coordination preferences of the metals and/or metal clusters serving as nodes and the functionality of the organic ligands serving as spacers. The chemical and structural diversity of coordination polymers is also dependent upon various chemical factors, such as temperature, pH, reaction solvent, template effects, role of the counteranion as a coordinating or not-coordinating building-block, etc.

Guest Editor

Dr. Catherine P. Raptopoulou

Crystallography and Coordination Chemistry of Materials Group,
Institute of Nanoscience and Nanotechnology, NCSR "Demokritos",
Patriarchou Grigoriou & Neapoleos 27, 153 10 Agia Paraskevi, Attiki,
Greece

Deadline for manuscript submissions

closed (20 January 2022)



Materials

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed



mdpi.com/si/26881

Materials
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
materials@mdpi.com

[mdpi.com/journal/
materials](https://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](https://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)