



materials



an Open Access Journal by MDPI

Novel Pathways to Process and Harness Porous Materials

Guest Editor:

Dr. Victor Malgras

IM2NP (Institut Matériaux
Microélectronique Nanosciences
de Provence), Marseille, France

Message from the Guest Editor

This Special Issue is focused on innovative routes to the synthesis micro-, meso-, and macroporous materials, as well as pioneering and/or exotic approaches to harnessing their properties, directly (as-prepared) or indirectly (composites). Topics include, but are not limited to:

Deadline for manuscript
submissions:

closed (31 August 2020)

- Novel strategies to fabricate zeolites, zeotypes, micro-, meso-, and macroporous materials, or ways to improve traditional synthetic approaches;
- Innovative porous materials-based composites (inorganic, organic, hybrids), addressing pore-filling;
- Exotic porous materials (semiconductors, binary, ternary, quaternary);
- Exotic architectures for traditional compounds (high degree of ordering, orientation, periodicity);
- Addressing crystallinity in porous materials;
- New insights into the properties of porous materials;
- Use of porous materials in optical applications (non-linear optics, photonic crystals, meta-materials, surface-enhanced Raman scattering); thermoelectric applications; sensing applications; and microfluidic applications.



mdpi.com/si/19625

Special issue



an Open Access Journal by MDPI

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

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.

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 - Q2 (*Condensed Matter Physics*)

Contact Us

Materials Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/materials
materials@mdpi.com
[X@Materials_Mdpi](https://twitter.com/Materials_Mdpi)