Special Issue

Green and Unconventional Routes for the Synthesis of Crystalline Inorganic Materials—Selected Papers from AIM 2018

Message from the Guest Editors

Dear colleagues, The huge variety of experimental methodologies for the preparation of inorganic crystalline (nano)materials demonstrates the charms of preparative wet and colloidal chemistry and shows the great power of imagination. Each synthetic approach could, in turn, be optimized to yield shape controlled and nanostructured materials. This Special Issue aims to collect examples of green and/or unconventional methods for the preparation of advanced inorganic materials, with special attention to those approaches with low environmental impact and complying with the twelve principles of Green chemistry. The focuses of this Special Issue include, without being limited to, the following themes: flow or high-throughput methods, biogenic, template, microwave-assisted and solvothermal approaches, syntheses based on deep eutectic/supercritical/ionic liquid solvents, computational-assisted development of syntheses, and design-of-experiment.

Guest Editors

Prof. Dr. Silvia Gross
Department of Chemical Sciences, University of Padova, 35131 Padova, Italy

Dr. Lucia Curri
CNR-IPCF, Via Orabona 4, 70126 Bari, Italy

Dr. Paolo Dolcet
Karlsruhe Institute of Technology, Engesserstr. 20, 76131 Karlsruhe, Germany

Deadline for manuscript submissions

closed (31 July 2019)

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/13228

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)