



*materials*



an Open Access Journal by MDPI

## Layered Crystal Materials: Design, Synthesis and Characterisation

Guest Editor:

**Dr. Evgeny V. Nazarchuk**

Department of Crystallography,  
Saint-Petersburg State  
University, 199034 St. Petersburg,  
Russia

Deadline for manuscript  
submissions:

**closed (20 May 2022)**

### Message from the Guest Editor

Dear Colleagues,

Today, chemistry and physics of layered materials constitute an important and rapidly developing area of solid-state and materials science. Of particular interest is the pronounced anisotropy of many physical and even chemical properties which have permitted scientists to achieve outstanding results. The materials obtained by analogy to minerals are widely used in a variety of industrial processes. Various methods of rational design and targeted synthesis of layered materials have been and are being developed. Nonetheless, there are still many unsolved problems to address in chemistry and physics of natural and synthetic layered materials.

This Special Issue welcomes contributions on all respects of layered minerals and synthetic compounds. Suggested publications are expected to cover various issues concerning this fascinating group of materials and provide new data on mineralogy, geochemistry (including biogeochemistry), physics, and inorganic chemistry of layered minerals and materials.



[mdpi.com/si/59495](https://mdpi.com/si/59495)

**Special** issue



an Open Access Journal by MDPI

## Editors-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

### Prof. Dr. Yuguang Ma

State Key Laboratory of Luminescent Materials and Devices, South China University of Technology, Guangzhou 510640, China

## Message from the Editorial Board

*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 - Q2 (Metallurgy and Metallurgical Engineering) / CiteScore - Q1 (Condensed Matter Physics)

## Contact Us

Materials Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/materials](http://mdpi.com/journal/materials)  
[materials@mdpi.com](mailto:materials@mdpi.com)  
[X@Materials\\_Mdpi](https://twitter.com/Materials_Mdpi)