



Perovskite Crystals and Thin Films

Guest Editor:

Prof. Dr. Oldrich Zmeskal

Institute of Physical and Applied
Chemistry, Faculty of Chemistry,
Brno University of Technology,
Brno, Czech Republic

Deadline for manuscript
submissions:

closed (20 June 2022)

Message from the Guest Editor

Over the recent years, perovskite materials have evoked a wide response of the research community mainly due to their superior performance in thin film photovoltaic applications. However, perovskites have found their application in many other fields of electronics and photonics (solid states lasers, light-emitting diodes, photodetectors, etc.). The main advantage of perovskites over their inorganic counterparts is low-temperature and low-cost-solution-based deposition on a large variety of the substrates by coating or printing techniques.

In this Special Issue, we would like to cover all important aspects concerning perovskite crystals and thin films, including novel materials, excellent electronic properties, density of states and defects, band gap research studies, space charge transport, thermal properties, stability measurements, or innovations in device architectures.

It is my pleasure to invite you to submit a manuscript for this Special Issue. Full papers, communications, and reviews are all welcome.





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

Contact Us

Materials Editorial Office
MDPI, St. Alban-Anlage 66
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)