X-ray Diffraction of Functional Materials

Message from the Guest Editors

Dear colleagues,

This issue is dedicated to the latest advances in X-ray diffraction using both synchrotron radiation as well as laboratory sources for evaluating the microstructure and structure-to-property relation in functional materials (functional oxides, organic and hybrid materials for energy, electronics, etc.). Particular focus will be placed on novel in situ or operando approaches. Contributions addressing various materials from macroobjects to nanostructures by different techniques (powder diffraction, surface diffraction, coherent X-ray diffraction, Laue diffraction, etc.) as well as various length and time scales are welcome.

Dr. Thomas Walter Cornelius
Dr. Souren Grigorian

Guest Editors

Deadline for manuscript submissions:
closed (30 April 2021)
Editor-in-Chief

Prof. Dr. Maryam Tabrizian
James McGill Professor, Professor of Biomedical Engineering, Professor of Bioengineering, Professor of Experimental Surgery, Department of Biomedical Engineering, Faculty of Medicine/Faculty of Dentistry, Duff Medical Science Building, 3775 University Street, Montreal, QC H3A 2B4, Canada

Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty comprehensive topics: biomaterials, energy materials, advanced composites, structure analysis and characterization, porous materials, manufacturing processes and systems, advanced nanomaterials, smart materials, thin films and interfaces, catalytic materials and carbon materials, materials chemistry, materials physics, optics and photonics, corrosion and materials degradation, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics, metals and alloys, general. The distinguished and dedicated editorial board and our strict peer-review process ensure the highest degree of scientific rigor and review of all published articles. 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 many other databases.

Journal Rank: JCR - Q1 (Metallurgy & Metallurgical Engineering) / CiteScore - Q2 (Condensed Matter Physics)

Contact Us

Materials
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland
Tel: +41 61 683 77 34
www.mdpi.com
materials@mdpi.com
@Materials_Mdpi