Special Issue

Optical, Electrical and Mechanical Properties of Thin Films

Message from the Guest Editors

Functional thin films have been widely used in the fields of micro- and nanoelectronics, optical communication, biological systems, and mechanical equipment in devices such as thin-film transistors, planar waveguides, solar elements, LEDs, gas sensors, and mechanical components. The synthesis of these thin films and the acquisition of information about their optical, electronic, mechanical, and tribological properties, as well as their wettability, are very important for the development of new stable devices based on them. Studying the factors involved in the properties of thin films allows for the determination of many interesting properties of these nanomaterials, which can be made of inorganic, organic, metal, dielectric, or hybrid materials. This is significant given the wide range of practical applications that are implicated. This Special Issue of *Materials* will include original research articles and review papers written by researchers on the topic of *Optical, Electrical, and Mechanical Properties of Thin Films*. Investigations into other performance parameters of thin films are also welcome. I look forward to receiving your contributions.

Guest Editors

Dr. Hui Sun

School of Space Science and Physics, Shandong University, Weihai, China

Dr. Jing Xu

School of Mechanical Engineering, Hangzhou Dianzi University, Hangzhou, China

Deadline for manuscript submissions

closed (10 May 2024)

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/118471

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

About the Journal

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.

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

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)

MDPI