

Metal Oxide Films and Their Applications

Guest Editor:

Prof. Dr. Artur M. Rydosz

Institute of Electronics, AGH
University of Science and
Technology, 30-059 Krakow,
Poland

Deadline for manuscript
submissions:

closed (30 June 2022)

Message from the Guest Editor

We would like to invite you to submit your work to this Special Issue entitled "Metal Oxide Films and Their Applications". Metal oxides have very different electrical properties from metals, semiconductors, and insulators, and are used in many different areas (e.g., gas sensors, optical devices). The ability of metal oxides to change their electrical conductivity with the composition of the surrounding atmosphere has been proven by researchers all over the world. This progress has been supported by the industrial development of novel characterization and deposition tools. The aim of this Special Issue is to present the latest experimental and theoretical developments in the field, through a combination of original research papers and review articles from leading groups around the world.

In particular, the topics of interest include, but are not limited to:

- Gas-sensing applications;
- Optical devices;
- Electrochemical applications;
- Theoretical studies of metal oxides;
- The development of deposition techniques.



Editors-in-Chief

Prof. Dr. Wei Pan

State Key Laboratory of New
Ceramics and Fine Processing,
School of Materials Science &
Engineering, Tsinghua University,
Beijing 100084, China

Dr. Emerson Coy

NanoBioMedical Centre, Adam
Mickiewicz University in Poznań,
ul. Wszechnicy Piastowskiej 3, 61-
614 Poznań, Poland

Message from the Editorial Board

Now more than ever, research is called for to produce technologies and improve knowledge to solve the major challenges faced by our society. The development of new materials and devices for (without the ambition to be exhaustive) energy, health and food technology, together with the need for establishing processes that reduce the impact on critical resources and the environment, is indeed at the center of most contemporary research. Surface science and engineering play a key role in this regard. Refining surfaces and their modifications provides new materials, architectures and processes with a huge potential to aid most societal challenges. *Coatings* is a well-established, peer-reviewed, online journal that focuses on the dissemination of publications in the field of surface science and engineering. *Coatings* publishes original research articles that report cutting-edge results and review papers on the hottest topics.

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), Inspec, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q2 (*Materials Science, Coatings & Films*) / CiteScore - Q2 (*Surfaces and Interfaces*)

Contact Us

Coatings Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/coatings
coatings@mdpi.com
X@Coatings_MDPI