coatings

an Open Access Journal by MDPI

IMPACT FACTOR 3.4

CITESCORE 4.7

Advances in Deposition and Characterization of Hard Coatings

Guest Editors:

Prof. Dr. Ľubomír Čaplovič
Institute of Materials Science, Faculty of Materials Science and Technology, Slovak University of Technology, Trnava 917 24, Slovakia

Dr. Martin Sahul
Institute of Materials Science, Faculty of Materials Science and Technology, Slovak University of Technology, 917 24 Trnava, Slovakia

Deadline for manuscript submissions:
30 May 2024

Message from the Guest Editors

Dear Colleagues,

We would like to welcome you to submit your article to this Special Issue, which is called “Advances in Deposition and Characterization of Hard Coatings”. The goal of this issue is to gather some of the most recent and interesting contributions to the field of deposition and characterization of hard coatings. Contributions are expected to include the current study of the deposition of hard coatings and the characterization of their properties. In particular, the topics of interest include but are not limited to:

- Numerical simulation on properties of hard coatings and influence of deposition parameters;
- Hard coatings for industrial use;
- Protective and tribological coatings;
- Biomedical coatings;
- Microstructure design and architecture of hard coatings (multilayers, nanocomposite and gradient coatings);
- Structure–property relationships for hard coatings;
- Chemical, plasma, and hybrid deposition processes;
- Thermal spraying hard coatings;
- Advanced methods for characterization of hard coatings;
- Cubic boron nitride and diamond-related hard coatings.

coatings

an Open Access Journal by MDPI

IMPACT FACTOR 3.4

CITESCORE 4.7

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