coatings

an Open Access Journal by MDPI

IMPACT FACTOR 2.9

CITESCORE 5.0

Feature Paper Collection in Thin Films

Collection Editors:

Dr. Torsten Brezesinski
Institute of Nanotechnology, Karlsruhe Institute of Technology (KIT), Hermann-von-Helmholtz-Platz 1, Bldg. 717, 76344 Eggenstein-Leopoldshafen, Germany

Dr. Ben Breitung
Institute of Nanotechnology, Karlsruhe Institute of Technology (KIT), Hermann-von-Helmholtz-Platz 1, Bldg. 640, 76344 Eggenstein-Leopoldshafen, Germany

Message from the Collection Editors

Dear Colleagues,

Oxides and non-oxides in thin-film form are technologically important materials with a variety of applications in energy storage and conversion, sensing, electronics, mechanics, optics and biomedicine, resulting from unique combinations of properties. Inorganic, organic, and hybrid inorganic-organic materials can be produced with a range of structures, compositions, and thicknesses by physical and chemical deposition methods, with low-cost solution processing routes being usually more flexible in terms of chemistry. Apart from interfacial engineering and compositional design, nanoscale structuring at different length scales has been shown to be effective in tailoring the properties of thin-film materials.

Potential topics include but not limited to:

- Novel oxide and non-oxide materials in thin-film form;
- Preparation by chemical and physical methods;
- Micro- and nanostructuring;
- Surface and interface engineering;
- Advanced characterization techniques;
- Structure–composition–property relationships;
- Application in electrochemical energy storage devices, catalysis, solar cells, sensors, data storage, etc.

mdpi.com/si/58005

Topical Collection

coatings

an Open Access Journal by MDPI

IMPACT FACTOR 2.9

CITESCORE 5.0

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 asked to deliver knowledge and technologies 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 in the spotlight of most contemporary research. Surface science and engineering play a key role in this regard, with an incredible potential in delivering new and deep scientific understanding and technical solutions essential to solve most of the major societal challenges.

Coatings is a well-established, peerreviewed, online journal dedicated to the vibrant field of surface science and engineering. Coatings publishes original research articles that report cutting-edge results and review papers that make the point on the hottest research 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 (*Physics, Applied*) / CiteScore - Q2 (*Surfaces, Coatings and Films*)

Contact Us

Coatings Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

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