coatings

an Open Access Journal by MDPI

IMPACT FACTOR 3.4

CITESCORE 4.7

Ferroic-Based Thin Films and Composites: Towards Advanced Applications

Guest Editors:

Dr. Indrani Coondoo
Department of Physics (DFiS) & CICECO-Aveiro Institute of Materials, University of Aveiro, 3810-193 Aveiro, Portugal

Dr. Denis Alikin
1. Associate Professor, School of Natural Sciences and Mathematics, Ural Federal University, Yekaterinburg, Russia
2. Department of Physics, CICECO-Aveiro Institute of Materials, University of Aveiro, Aveiro, Portugal

Deadline for manuscript submissions:
closed (31 March 2022)

Message from the Guest Editors

We would like to invite you and appreciate your contribution to this Special Issue of *Coatings* entitled "**Ferroic-Based Thin Films and Composites: Towards Advanced Applications**". This issue aims to summarize recent advances in ferroic materials, with subject matters ranging from their fabrication methods and applications and covering bulk, thin films, and nanomaterials. Authors are invited to submit original research, critical review articles, or short communications focused on, but not limited to, these topics:

- Fabrication, characterization, and properties of ferroic materials (thin films, bulk, nanoscale) and their composites
- Recent advances in ferroic materials technology and applications
- Dielectric, ferroelectric, pyroelectric and piezoelectric materials
- Electrostrictive and magnetostrictive materials
- Photovoltaics, catalysis, and water splitting
- Energy and refrigeration applications (electrocaloric/magnetocaloric)
- Multiferroic materials for magnetoelectric information storage (memory device) and ME coupling device for sensor applications

mdpi.com/si/81185

Special Issue

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 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 (*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