Special Issue

New Advances in Thin-Film Transistor

Message from the Guest Editor

As you know, the thin-film transistor (TFT) is a basic electronic device. It is a special type of metal–oxide–semiconductor field-effect transistor. TFTs have attracted a lot of attention due to their applications in the fields of liquid crystal displays, sensors, biomarkers, flexible integrated circuits, etc. In order to fabricate high-performance TFTs and expand their new applications, many researchers have focused on the development of semiconductor materials, dielectric insulators, and Ohmic contacts. In the last few years, significant progress in TFTs has been achieved. It would thus be of great value to gather the outcomes of recent research on them. This Special Issue focuces on TFTs and their novel applications. In particular, the topic of interest includes but is not limited to

- Thin-film transistors (TFTs);
- Metal–oxide–semiconductor field-effect transistors (MOSFETs);
- Semiconductors for TFTs and MOSFETs;
- Dielectrics for TFTs and MOSFETs;
- Ohmic contracts for TFTs and MOSFETs;
- Dielectric/semiconductor interfaces;
- Ohmic/semiconductor interfaces;
- Novel applications for TFTs.

Guest Editor

Dr. Jiangwei Liu
National Institute for Materials Science

Deadline for manuscript submissions

closed (28 February 2022)

Coatings

an Open Access Journal by MDPI

Impact Factor 2.8
CiteScore 5.4

mdpi.com/si/58350

Coatings
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
coatings@mdpi.com

mdpi.com/journal/coatings

Coatings

an Open Access Journal by MDPI

Impact Factor 2.8
CiteScore 5.4

mdpi.com/journal/coatings

About the Journal

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.

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

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), Ei Compendex, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Physics, Applied) / CiteScore - Q2 (Surfaces, Coatings and Films)

MDPI