

New Advances in Thin-Film Transistor

Guest Editor:

Dr. Jiangwei Liu

National Institute for Materials
Science

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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 focuses 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.



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.

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

Tel: +41 61 683 77 34
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