**Message from the Guest Editor**

The flat panel display (FPD) market is expected to further expand at a higher growth rate in upcoming years, due to the demand for high-resolution, compact, lightweight, and flexible displays. The thin film transistor (TFT) is a key component for controlling picture quality of FPDs.

TFT is a type of field-effect-transistor (FET), which is commonly used for large-area electronics. These transistors are produced by depositing different types of thin films, such as active semiconductors, dielectrics and metals, over a non-conducting substrate. The significant advantage of the TFT is a low fabrication temperature. The main application of TFTs is in active-matrix liquid-crystal displays (AM-LCDs) or organic light emitting diode (AM-OLED) displays, in which each pixel is controlled by one or several TFTs. In addition to AM-LCDs and OLED displays, TFTs are also used in X-ray imaging devices, various sensors (e.g., fingerprint, bio-medical, pH, temperature sensors), and radio-frequency identification (RFID) chips.

For more information, please click the following link:

https://www.mdpi.com/journal/materials/special_issues/thin_film_transistors

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Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers fourteen comprehensive topics: Biomaterials; Energy Materials; Composites; Structure Analysis; Porous Materials; Manufacturing Processes; Advanced Nanomaterials; Smart Materials; Thin Films; Catalytic Materials; Carbon Materials; Materials Chemistry; Materials Physics; Optics and Photonics; Corrosion; Building Materials. The distinguished and dedicated editorial board and our strict peer-review process ensure the highest degree of scientific rigor and review of all published articles.

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CiteScore (2018 Scopus data): 3.26, which equals rank 97/439 (Q1) in 'General Materials Science'.

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