

Indexed in: PubMed



an Open Access Journal by MDPI

Thin-Film Transistors: Materials, Fabrications and Applications

Guest Editor:

Dr. Jie Zhang

Department of Microelectronics and Integrated Circuit, Xiamen University, Xiamen 361005, China

Deadline for manuscript submissions:

20 July 2024

Message from the Guest Editor

Dear Colleagues,

Thin-film transistors (TFTs) have enabled a number of emerging applications, including flexible biosensors. and back-end-of-line (BEOL)-compatible transistors towards monolithic 3D integration, in addition to more traditional applications such as liquid crystal display (LCD) and organic light-emitting diode (OLED) displays. These new applications have put great demands on TFT performance and fabrication. For instance, BEOLcompatible transistors require high-current drivability under a low-thermal-budget process. To fulfill the requirement of these emerging applications, innovations in channel and dielectric materials, device structures, and device fabrication processes are highly required. Accordingly, this Special Issue seeks to showcase research papers and review articles that focus on recent progress in materials, fabrications, and applications of thin-film transistors













an Open Access Journal by MDPI

Editor-in-Chief

Message from the Editor-in-Chief

You are invited to contribute research articles or comprehensive reviews for consideration and publication in *Micromachines* (ISSN 2072-666X). *Micromachines* is published in the open access format. Research articles, reviews and other contents are released on the internet immediately after acceptance. The scientific community and the general public have unlimited free access to the content as soon as it is published. As an open access journal, *Micromachines* is supported by the authors or their institutes by payment of article processing charges (APC) for accepted papers. We are pleased to welcome you as our authors.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

 $\textbf{High Visibility:} \ indexed \ within Scopus, SCIE \ (Web \ of \ Science), \ PubMed,$

PMC, Ei Compendex, dblp, and other databases.

Journal Rank: JCR - Q2 (Chemistry, Analytical) / CiteScore - Q2 (Mechanical

Engineering)

Contact Us