Special Issue

Thin Film Transistors for Flexible Electronics

Message from the Guest Editor

Integration of Thin-film transistors (TFTs) onto flexible, stretchable, foldable, and rollable substrate is a challenging task to overcome for flexible electronics applications. Colleagues all over the world are performing extensive research on the flexible substrate material and related TFT engineering to make it compatible with the future electronic application. There are many issues regarding the design, fabrication, and applications of advanced flexible field effect transistors (oxide, LTPS, LTPO, etc.), and substrate engineering. Also, mechanical strain (stress, stretching, cyclic folding, rolling) induced aging and degradation mechanism is highly important to study. It is my pleasure to invite you to share your expertise in this Special Issue. Full papers, communications, and reviews are all welcome.

Keywords

- flexible transistors
- flexible electronics
- flexible LTPO
- flexible substrate engineering
- solution process TFT
- device modeling
- flexible TFTs for sensor application
- large area flexible electronics

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Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

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