

Special Issue

High-Performance Organic Field-Effect Transistors

Message from the Guest Editors

OFETs enable flexible, lightweight, and low-cost electronics. Advances focus on stability, charge transport, interface engineering, and novel semiconductors. Flexible fabrication supports wearables and IoT. OFET sensors excel in environmental monitoring, diagnostics, and smart textiles. High-frequency OFETs aid wireless communication, while neuromorphic systems and displays showcase versatility. Improved integration and characterization drive next-gen technologies.

- Stability and reliability improvements in OFETs;
- Charge transport mechanisms, interface engineering, dielectric materials, and contact optimization;
- Novel organic semiconductors and hybrid OFET structures;
- High-frequency OFETs for wireless communication;
- Flexible and printable OFET fabrication techniques;
- Applications in wearable and flexible electronics;
- Characterization and simulation methodologies for OFETs;
- OFET-based sensors for various applications;
- Neuromorphic systems based on OFETs;
- Flexible OFET-based displays;
- Integration of OFETs into complex circuits for next-generation devices.

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About the Journal

Message from the Editor-in-Chief

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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