

Special Issue

Recent Advances in Organic Optoelectronics

Message from the Guest Editors

Organic optoelectronic devices such as organic light-emitting devices (OLEDs), organic photovoltaic cells (OPVs), and organic thin-film transistors (OTFTs) have been widely used in recent decades. Owing to the flexibility and simple processing of organic materials, OLEDs have been recognized as one of the most successful full-color display technologies. For the same reason, OPVs are considered to be among the next-generation green energy technologies since the discovery of the photoelectronic properties of organic active molecules. Further, because of the unique photoselectivity and sensitivity of organic compounds, OTFTs have attracted extensive attention as photosensors and detectors. Nonetheless, large-scale production and commercialization are still challenged by material instability, low efficiency, and size- and flexibility-induced performance uncertainty. It is thus urgent to strengthen the properties of organic optoelectronics via novel interface engineering and device engineering, together with in-depth understanding of materials selection and device physicals. Here, we would like to invite insightful perspectives on recent advances in organic optoelectronics.

Guest Editors

Dr. Yepin Zhao

Dr. Xiangbiao Liao

Dr. Minhuan Wang

Dr. Zhenghong Dai

Deadline for manuscript submissions

closed (30 April 2023)



Micromachines

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 6.0
Indexed in PubMed



mdpi.com/si/139520

Micromachines
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
micromachines@mdpi.com

[mdpi.com/journal/
micromachines](https://mdpi.com/journal/micromachines)





Micromachines

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 6.0
Indexed in PubMed



[mdpi.com/journal/
micromachines](https://mdpi.com/journal/micromachines)



About the Journal

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.

Editor-in-Chief

Prof. Dr. Ai-Qun Liu

1. Department of Electrical and Electronic Engineering, The Hong Kong Polytechnic University, Hong Kong, China

2. School of Electrical and Electronic Engineering, Nanyang Technological University, Singapore 639798, Singapore

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Ei Compendex, dblp, and other databases.

Journal Rank:

JCR - Q2 (Instruments and Instrumentation) / CiteScore - Q1 (Mechanical Engineering)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.2 days after submission; acceptance to publication is undertaken in 1.9 days (median values for papers published in this journal in the first half of 2025).