Special Issue

Micro/Nano Manipulation Technologies for Flexible Electronics

Message from the Guest Editors

Flexible electronics have developed rapidly and been widely used in the fields of medical treatment, biological engineering, and microelectronics industry. Now, a series of micro/nano manufacturing methods, such as lithography, soft lithography, nanoimprints, micro/nano 3D printing, etc., are widely used in the fabrication of flexible electronics. However, as the requirements of flexible electronic performance become higher, it is difficult to realize the manufacturing of higher-performance flexible electronics, such as heterogeneous, 3D or multilayer devices, only relying on one or several of the above manufacturing methods. Micro/nano manipulation technologies can solve the above problem by transferring, assembling, and integrating micro/nano components with different materials, sizes, and shapes to form heterogeneous, 3D, or multilayer devices. This opens up a new window for further improvement of the performance of soft electronics. Meanwhile, there are still some challenges in terms of the system, mechanism, and method of micro/nano manipulation for widespread industrial application.

Guest Editors

Dr. Cunman Liang

Dr. Zhilai Lu

Dr. Zhiyong Guo

Dr. Guodong Zhou

Deadline for manuscript submissions

closed (15 March 2022)

Micromachines

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0
Indexed in PubMed

mdpi.com/si/95426

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

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

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).

MDPI