

Special Issue

Memory Devices Based on Two-Dimensional Materials

Message from the Guest Editors

We are pleased to invite you to publish your research in this Special Issue on “Memory Devices Based on Two-dimensional Materials” in *Micromachines*. Memory devices are essential components of electronic systems, and their performance and power efficiency play important roles in determining the overall system performance. The emergence of two-dimensional (2D) materials has opened new possibilities for developing memory devices that offer higher performance and lower power consumption. This Special Issue aims to solicit relevant work in memory devices based on various 2D materials, including graphene, transition metal dichalcogenides (TMDs), black phosphorus, 2D organic materials, etc. The research directions include but are not limited to the preparation of new materials, improvement of device structures, applications of storage devices, simulations of device and materials, etc. In this Special Issue, original research articles and reviews are welcome.

Guest Editors

Dr. Shupeng Chen

School of Microelectronics, Xidian University, Xi'an 710126, China

Dr. Wei Li

School of Microelectronics, Northwestern Polytechnical University, Xi'an 710072, China

Deadline for manuscript submissions

closed (29 February 2024)



Micromachines

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 7.1
Indexed in PubMed



mdpi.com/si/176835

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 7.1
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. Nam-Trung Nguyen

Queensland Quantum and Advanced Technologies Research Institute,
Griffith University, West Creek Road, Nathan, QLD 4111, Australia

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 16.8 days after submission; acceptance to publication is undertaken in 1.9 days (median values for papers published in this journal in the second half of 2025).