Special Issue

Micropatterning of Carbonbased Nanomaterials and Their Applications

Message from the Guest Editors

Carbon-based materials not only have a long history of human use, but have also brought forth scientific and technological breakthroughs in the past few decades, as exemplified by fullerenes and graphene. Beyond their bulk applications, it is foreseeable that many future applications of the carbon-based materials, such as carbon nanotubes for sensing and diamond for quantum computing, will focus on miniaturization and multifunctionalization. This largely hinges on the ability of the micropatterning of the carbon-based nanomaterials, at the micrometer or even nanometer scales. Recent years have seen tremendous progress in integrating micropatterning and carbon-based nanomaterials for building a wide range of functional devices. Intended to expose our readers to the state-ofthe-art of this fast-growing field, this Special Issue seeks research articles or reviews on the development of novel techniques, basic studies on scientific understanding, conceptual or practical demonstrations of new applications of micropatterning of carbon-based nanomaterials, and beyond. We look forward to and welcome your contributions to this Special Issue.

Guest Editors

Prof. Dr. Jingjiao Guan

Prof. Dr. Tao Liu

Prof. Dr. Beatriz Jurado Sánchez

Deadline for manuscript submissions

closed (30 April 2021)



Micromachines

an Open Access Journal by MDPI

Impact Factor 3.0 CiteScore 6.0 Indexed in PubMed



mdpi.com/si/58288

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

mdpi.com/journal/ micromachines





an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0
Indexed in PubMed



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

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

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).

