micromachines

IMPACT FACTOR 3.0 | Indexed in: PubMed | CITESCORE 5.2

an Open Access Journal by MDPI

Advanced Functional Nanostructures for Chemical Sensing

Guest Editor:

Dr. Padmanathan Karthick Kannan
Department of Chemistry, Sungkyunkwan University, Suwon 440746, Republic of Korea

Deadline for manuscript submissions:
closed (31 March 2023)

Message from the Guest Editor

Dear Colleagues,

The continuous release of greenhouse gases, along with the emission of pollutants and toxic gases from industrial sectors, create severe health-related issues for mankind. It is of the utmost importance to detect/sense the chemicals present in the atmosphere and in the environment. In this respect, chemical sensors find immense interest as they are very helpful in providing information about the presence and concentration of chemicals. The use of nanostructured materials in chemical sensing has shown promise because of their enhanced sensing ability with excellent selectivity and very low detection limit. This has led to the development of novel, interesting, advanced functional nanomaterials with tunable physicochemical properties and high surface-to-volume ratio for the fabrication of chemical sensors. This Special Issue aims to focus on the recent advancements in the synthesis of advanced functional nanostructures and their application in chemical sensing. Accordingly, this Special Issue plans to showcase original research papers, perspectives, and review articles in areas including, but not limited to, the following.

micromachines

IMPACT FACTOR 3.0 | Indexed in: PubMed | CITESCORE 5.2

an Open Access Journal by MDPI

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

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.
High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Ei Compendex, dblp, and other databases.
Journal Rank: JCR - Q2 (*Physics, Applied*) / CiteScore - Q2 (*Mechanical Engineering*)

Contact Us

Micromachines Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/micromachines
micromachines@mdpi.com
𝕏@micromach_mdpi