Special Issue

Nanostructured Photovoltaic Devices

Message from the Guest Editor

Nanostructured photovoltaics have already proven rapid developments and are marked to revolutionize our everyday life. The exciting developments in the field of the light trapping features of nanostructures and solar cell nano-engineered architecture present challenges with unique opportunities to explore new ideas regarding nanostructure integration into photovoltaics. In this Special Issue of *Micromachines* we invite contributions on the latest developments on nanostructured photovoltaics with improved efficiency from all types of solar cells employing nanostructures, low dimensionality features and emerging technologies in nano-integration. We would like to open the discussions for future directions and challenges in the development of nanostructured photovoltaic devices.

Guest Editor

Dr. Ruxandra Vidu

- 1. Electrical Engineering and Computer Science, University of California Davis, Davis, CA 95616, USA
- 2. Faculty of Material Sciences and Engineering, Politehnica University of Bucharest, 060042 Bucharest, Romania

Deadline for manuscript submissions

closed (31 August 2019)



Micromachines

an Open Access Journal by MDPI

Impact Factor 3.0 CiteScore 6.0 Indexed in PubMed



mdpi.com/si/19035

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

- 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).

