nanomaterials

IMPACT FACTOR 4.3

Indexed in: PubMed

CITESCORE 9.2

an Open Access Journal by MDPI

Nano Fabrications of Solid-State Sensors and Sensor Systems

Guest Editor:

Dr. Ata Khalid
Cranfield University, Cranfield, United Kingdom

Deadline for manuscript submissions:
closed (31 March 2021)

Message from the Guest Editor

In most cases, nanofabrication techniques are required to develop/demonstrate solid-state sensors and sensor systems suitable to integrate in our handheld devices. There is a unique need for researchers to display the nano-fabrication technologies of these sensors and systems to make rapid progress in this area in order to build future sensor systems.

The present Special Issue of *Nanomaterials* focuses on the demonstration of new insights, as well as the potential and challenges for the realization of various efficient solid-state sensors and sensor systems. We are looking for research focused on the nano-fabrication of these sensors and sensor systems. Potential topics include but are not limited to quantum dot sensors, quantum cascade lasers (QCLs), THz radiation sensors like micro bolometers, self-switching diodes (SSD), micro light emitting diodes (MLEDs), resonant tunneling diodes (RTD), planar Gunn diodes (PGD), avalanche photo diodes (APD), nanowire sensor and emitters. All novel nano-fabrication research on solid-state sensors is welcome.

nanomaterials

IMPACT FACTOR 4.3 | Indexed in: PubMed | CITESCORE 9.2

an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Eugenia Valsami-Jones
School of Geography, Earth and Environmental Science, University of Birmingham, Birmingham B15 2TT, UK

Message from the Editor-in-Chief

Nanoscience and nanotechnology are exciting fields of research and development, with wide applications to electronic, optical, and magnetic devices, biology, medicine, energy, and defense. At the heart of these fields are the synthesis, characterization, modeling, and applications of new materials with lower nanometer-scale dimensions, which we call “nanomaterials”. These materials can exhibit unusual mesoscopic properties and include nanoparticles, coatings and thin films, metal–organic frameworks, membranes, nano-alloys, quantum dots, self-assemblies, 2D materials such as graphene, and nanotubes. Our journal, *Nanomaterials*, has the goal of publishing the highest quality papers on all aspects of nanomaterial science to an interdisciplinary scientific audience. All of our articles are published with rigorous refereeing and open access. We are proud of our increasing impact factor and ability to provide rapid decisions to 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, CAPlus / SciFinder, Inspec, and other databases.
Journal Rank: JCR - Q2 (Physics, Applied) / CiteScore - Q1 (General Chemical Engineering)

Contact Us

Nanomaterials Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/nanomaterials
nanomaterials@mdpi.com
𝕏@nano_mdpi