applied sciences

IMPACT FACTOR 2.7

CITESCORE 4.5

an Open Access Journal by MDPI

Advances in Nanomaterials and Their Applications

Guest Editors:

Dr. Changyong Lan
School of Optoelectronic Science and Engineering, University of Electronic Science and Technology of China, Chengdu, China

Prof. Dr. Xiaosi Qi
College of Physics, Guizhou Province Key Laboratory for Photoelectrics Technology and Application, Guizhou University, Guiyang 550025, China

Deadline for manuscript submissions:
20 November 2024

Message from the Guest Editors

Dear Colleagues,

Nanomaterials are the subject of extensive research due to their unique properties and broad applications in areas such as electronics, optoelectronics, photocatalysis, and electrocatalysis. Despite the many existing methods for synthesizing nanomaterials, new synthesis methods are still highly sought after to meet the demands of various applications and to address the remaining challenges. Nanomaterials are known for their enhanced carrier mobility, photoresponsivity, and photocatalytic and electrocatalytic properties, which are crucial for developing innovative devices and applications. For instance, semiconducting two-dimensional materials with high carrier mobility hold great promise as potential candidates for the next generation of electronics and optoelectronics.

This Special Issue focuses on new synthesis methods and applications of nanomaterials. The topics covered will not only explore novel synthesis methods for low-dimensional materials, but also examine the properties and applications of these materials, encompassing areas such as electronics, optoelectronics, photocatalysis, and electrocatalysis applications, among others.

applied sciences

IMPACT FACTOR 2.7

CITESCORE 4.5

an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, Italy

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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), Inspec, CAPlus / SciFinder, and other databases.
Journal Rank: JCR - Q2 (*Engineering, Multidisciplinary*) / CiteScore - Q1 (*General Engineering*)

Contact Us

Applied Sciences Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

mdpi.com/journal/applsci
applsci@mdpi.com
𝕏@Applsci