Special Issue

Low-Dimensional Nanomaterials: Synthesis, Classification, and Application

Message from the Guest Editors

This Special Issue, entitled “Low-Dimensional Nanomaterials: Synthesis, Classification, and Application”, is focused on the synthesis and characterization of nanomaterials with different morphologies (e.g., metal oxide semiconductors). Special emphasis will be given to their applications as catalysts for energy and environmental fields, such as photoelectrochemical water splitting, CO2 conversion, oxidation of organic pollutants, anodes for batteries, membrane ceramic materials, sensors, and so on. Contributions should include innovative synthesis strategies to produce the nanomaterials, which could be heterostructures of different oxides to ensure low cost and/or to enhance their catalytic response (electrochemical anodization, hydrothermal methods, sol–gel synthesis, etc.). We are pleased to invite you to submit a manuscript for this Special Issue. Both original research contributions (full papers and communications) and reviews are welcome.
Dr. Ramón M. Fernández Domene

Guest Editors

Dr. Rita Sánchez Tovar
Departament d’Enginyeria Química, Universitat de València, Av. de les Universitats, s/n, 46100 Burjassot, Spain

Dr. Ramón Manuel Fernández Domene
Chemical Engineering Department (ETSE), Universitat de València, Av. Universitat s/n, 46100 Burjassot-Valencia, Spain

Deadline for manuscript submissions

closed (20 June 2022)

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/94589

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

mdpi.com/journal/materials

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/journal/materials

About the Journal

Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

Editor-in-Chief

Prof. Dr. Maryam Tabrizian
1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada
2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

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, CaPlus / SciFinder, Inspec, Astrophysics Data System, and other databases.

Journal Rank:

JCR - Q2 (Metallurgy and Metallurgical Engineering) / CiteScore - Q1 (Condensed Matter Physics)

MDPI