Special Issue

Nanomaterials and Nanotechnology for Electrode Processing and Manufacturing

Message from the Guest Editors

Conventional fossil-fuel-based vehicles inevitably lead to huge carbon dioxide emission and cause a series of global warming effects. To alleviate the aforementioned issues, research and development of new nanomaterials and manufacturing strategies for energy conversion and/or energy storage are truly essential. Fortunately, the material science and manufacturing science of energy conversion and energy storage have been developing in a fast manner, which is promising for eco-friendly purposes. This Special Issue, entitled "Processing and Manufacturing of Nanomaterials for Energy Conversion and/or Energy Storage", will collect studies focused on the recent progress in energy conversion and energy storage, including nanomaterial aspects and manufacturing aspects. The relevant manuscripts concerning the processing of novel nanomaterials for the applications in different fields, such as electrocatalysis, lithium batteries, supercapacitors, fuel cells, etc., can be submitted for this Special Issue. To facilitate the readership, broad article types are available and welcome, namely research articles, communications, letters, and review articles.

Guest Editors

Dr. Runming Tao

Dr. Jiyuan Liang

Dr. Jianlin Li

Dr. Xiang Lyu

Dr. Tianyu Zhang

Deadline for manuscript submissions

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

mdpi.com/journal/nanomaterials

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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.

Editor-in-Chief

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

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