Special Issue

Inkjet Printing of Nanomaterials for Renewable and Sustainable Energy

Message from the Guest Editor

In recent years, different inkjet printing technologies have been utilized to facilitate the functionalization of various energy-related nanomaterials. Nanomaterials have shown remarkable potential to add targeted functionality to the original material systems, e.g., enhancing catalytically performances, mechanical strength, high surface area, tailored anisotropy, improved sinterability, biocompatibility, etc. This Special Issue focuses on inkjet printing of nanomaterials for renewable and sustainable energy application, including but not restricted to:

- Fuel cells, photovoltaics, and thermoelectric generation
- Batteries and supercapacitor storage
- Photo- and electrocatalytic processes for hydrogen evolution and fuel conversion
- Flexible and van der Waals electronics, 2D materials
- Nanoscale semiconductor applications
- Superconducting transmission lines, cryoelectronics, and energy storage

Welcome to contribute!

Guest Editor

Dr. Rumen I. Tomov
Department of Materials Science and Metallurgy, University of Cambridge, Cambridge, UK

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

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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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