materials

IMPACT FACTOR 3.2

Indexed in: PubMed

CITESCORE 6.4

an Open Access Journal by MDPI

Soft and Nanostructured Materials for Energy Conversion

Guest Editor:

Dr. Patrizia Bocchetta
Department of Innovation Engineering, University of Salento, Edificio La Stecca, 73100 Lecce, Italy

Deadline for manuscript submissions:
closed (15 September 2020)

Message from the Guest Editor

This Special Issue will address advances in both experimental and theoretical aspects of the synthesis, processing, fabrication, characterization, properties of soft nanomaterials for possible application in energy conversion. Soft nanostructured materials are a particular category of flexible bulk matter that shows rich dynamics and self-assembly behavior. Many examples of soft materials can be found in polymers, liquid crystals, gels, self-assemblies, membranes, thin films, composites, biomaterials etc.

In recent decades, several novel methods to synthesize nanostructured materials such as nanoparticles, quantum dots, nanotubes, nanofilms, and nanowires have been developed following the capability of nanostructuring to introduce in the matter novel functionalities due to the unique combination of the structure and the mode of bonding (i.e., superplasticity of carbon nanotubes, energy harvesting of nanowires). The connections between soft materials and nanostructuring result in amazing possibilities for scientific research and future applications of these materials. For more details, please visit at

mdpi.com/si/35166

materials

IMPACT FACTOR 3.2 | Indexed in: PubMed | CITESCORE 6.4

an Open Access Journal by MDPI

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

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.

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)

Contact Us

Materials Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/materials
materials@mdpi.com
𝕏@Materials_Mdpi