

Special Issue

Composites for Energy Harvesting, Generation and Energy Storage

Message from the Guest Editor

Energy issues are one of the most relevant world issues that must be solved in the near future, due to the increased demand from new advanced systems and concepts related to sustainability, sensor and portable devices, and electric mobility. To overcome this issue, existing/new energy sources should not be neglected. Energy harvesting, generation, and storage systems strongly rely on new materials and processes that should be explored in order to overcome the current limitations of those systems both in terms of performance or materials characteristics in terms of sustainability. Furthermore, additive manufacturing technologies applied to different energy harvesting, generation, and storage systems allow researchers to address some of the most critical fabrication issues, becoming, therefore, an area with high impact and research activity in the scientific community. In this context, original research papers, short communications, or state-of-the-art reviews are accepted in this Special Issue focusing on the fundamental properties, manufacturing processes, and characteristics of composites applied to energy systems.

Guest Editor

Dr. Renato Gonçalves
Centre of Chemistry, University of Minho, 4710-057 Braga, Portugal

Deadline for manuscript submissions

closed (31 December 2021)



Materials

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed



mdpi.com/si/67287

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

[mdpi.com/journal/
materials](https://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](https://mdpi.com/journal/materials)



About the Journal

Message from the Editorial Board

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.

Editors-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

Prof. Dr. Yuguang Ma

State Key Laboratory of Luminescent Materials and Devices, South China University of Technology, Guangzhou 510640, China

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)