materials

IMPACT FACTOR 3.2

Indexed in: PubMed

CITESCORE 6.4

an Open Access Journal by MDPI

Advanced Energy Storage Materials: Preparation, Characterization and Applications (2nd Edition)

Guest Editors:

Dr. Junwei Wu
School of Materials Science and Engineering, Harbin Institute of Technology, Shenzhen, China

Dr. Chen Liu
College of Materials Science and Engineering, Shenzhen University, Shenzhen, China

Deadline for manuscript submissions:
closed (20 August 2024)

Message from the Guest Editors

As the worldwide demand for energy is expected to continue to increase at a rapid rate, it is critical that improved technologies for sustainably producing, converting, and storing energy are developed. Electrochemical energy storage (EES) systems with high efficiency, low costs, application flexibility, safety, and accessibility are the focus of intensive research and development efforts. Materials play a key role in the efficient, clean, and versatile use of energy, and are crucial for the exploitation of renewable energy.

The aim of this Special Issue, entitled “Advanced Energy Storage Materials: Preparation, Characterization, and Applications”, is to present recent advancements in various aspects related to materials and processes contributing to the creation of sustainable energy storage systems and environmental solutions, particularly those applicable to clean energy developments.

We are pleased to invite you to submit full research papers, communications, and review papers to this Special Issue.

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