Special Issue

Advanced Materials for Battery Applications and Photoelectric Devices

Message from the Guest Editors

Dear colleagues, The demand for advanced materials in energy storage systems and photoelectric devices has never been greater. As we strive toward a more sustainable future, the need for high-performance batteries and efficient photovoltaic systems continues to grow. This Special Issue aims to combine cutting-edge research in advanced materials for battery applications and photoelectric devices. We invite researchers, scientists, and engineers to contribute their latest findings on novel materials, design strategies, and fabrication techniques that can enhance the performance and efficiency of these essential technologies. Topics of interest include but are not limited to, new electrode materials for batteries, advanced electrolytes, advanced materials for photovoltaics, and emerging materials for energy storage and conversion.

Guest Editors

Prof. Dr. Wei Tian

School of Physical Science and Technology, Soochow University, Suzhou, China

Prof. Dr. Jing Tang

School of Chemistry and Molecular Engineering, East China Normal University, Shanghai, China

Deadline for manuscript submissions

closed (20 January 2025)

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/187784

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

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

MDPI

About the Journal

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.

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

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)