Special Issue

Advances in Electrochemical Energy Materials

Message from the Guest Editors

The aim of this Special Issue is to report recent advances related to materials used either in electrochemical energy storage, which encompasses supercapacitors and Li ion, Na ion, or other rechargeable batteries, or in electrochemical energy conversion, which includes electrocatalysts, green fuel production, fuel cells, etc. We are confident that publication of such a Special Issue will stimulate the imagination of researchers to develop advanced materials to further enhance the performance of electrochemical energy devices and put forward their practical application. It is our pleasure to invite you to submit a manuscript reporting novel materials and structures, their electrochemical behaviors, fundamental mechanisms, novel device concepts, as well as other related topics for this Special Issue. Full papers, communications, and reviews are all welcome.

Guest Editors

Prof. Dr. Zhaoyang Fan

School of Electrical, Computer and Energy Engineering, Arizona State University, Tempe, AZ 85287-5706, USA

Dr. Shiqi Li

College of Electronic Information, Hangzhou Dianzi University, Hangzhou 310018, China

Deadline for manuscript submissions

closed (31 December 2019)

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/16765

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)