Special Issue

Recent Progress in Electrode Materials for Sodium-Ion Batteries

Message from the Guest Editors

Sodium-ion batteries (SIBs) are alternative to lithium-ion batteries (LIBs) for some applications for several reasons: (i) sodium metal is abundant in the earth's crust and can be extracted from the salt of the oceans; (ii) as a consequence, sodium metal is also cheap; (iii) SIBs have good performance in aqueous systems in contrast with LIBs, which enables the use of cheaper electrolytes and easier fabrication processes; and (iv) SIBs may find a market for applications where the weight and volume of the batteries are not important parameters, such as grid-scale storage. The objective of this Special Issue of *Materials*, "Recent Progress in Electrode Materials for Sodium-Ion Batteries", is to present the latest achievements from the field of electrode materials for sodium-ion batteries (anodes and cathodes). We invite contributions on topics that include original research data, review articles, communications, and short notes that focus on new (experimental or theoretical) advances, challenges, and outlooks concerning their preparation, characterization, and application.

Guest Editors

Prof. Alain Mauger

Institut de Minéralogie, Physique de la Matière Concensée et Cosmologie, Sorbonne Université, Paris, France

Prof. Dr. Christian Julien

Institut de Minéralogie, de Physique des Matériaux et Cosmologie (IMPMC), Sorbonne Université, UMR-CNRS 7590, 4 Place Jussieu, 75752 Paris, France

Deadline for manuscript submissions

closed (30 September 2021)

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/42310

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

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)

MDPI