



materials



an Open Access Journal by MDPI

Advanced Electrode Materials Dedicated for Electroanalysis

Guest Editors:

Prof. Dr. Sławomira Skrzypek

Department of Inorganic and Analytical Chemistry, University of Lodz, Faculty of Chemistry, Tamka 12, 91-403 Łódź, Poland

Dr. Mariola Brycht

Department of Inorganic and Analytical Chemistry, Faculty of Chemistry, University of Lodz, Tamka 12, 91-403 Łódź, Poland

Dr. Barbara Burnat

Department of Inorganic and Analytical Chemistry, Faculty of Chemistry, University of Lodz, Tamka 12, 91-403 Łódź, Poland

Deadline for manuscript submissions:

closed (10 August 2023)

Message from the Guest Editors

The electrochemical tools provide simple, inexpensive, and highly sensitive procedures and can be integrated into miniaturized measuring platforms. Numerous types of electrode materials thus far have been developed and successfully applied in electroanalysis. They find an application in many areas including environmental, healthcare, and pharmaceutical analyses, as electrochemical detectors, micro-/nano-electrochemical devices, and chemical and biochemical sensors. Constantly, there is a very high requirement for innovative, advanced electrode materials offering a high selectivity and sensitivity, operation simplicity, and low production cost.

The Special Issue seeks high-quality feature papers that provide insight into and highlight the latest progress and innovative developments in advanced electrode materials dedicated for electroanalysis. The topics covered in this Special Issue include the fabrication and processing of the electrode materials based on carbon allotropes; conductive polymers; metal or metal oxide nanoparticles, as well as their characterization; and potential electroanalytical applications. However, other related topics are also welcome.



mdpi.com/si/73864

Special Issue



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 - Q1 (Metallurgy and Metallurgical Engineering) / CiteScore - Q2 (*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](https://twitter.com/Materials_Mdpi)