



New Insights in Potassium Ion Batteries: Materials and Properties

Guest Editors:

Dr. Zhaomeng Liu

Institute for Energy
Electrochemistry and Urban
Mines Metallurgy, School of
Metallurgy, Northeastern
University, Shenyang 110819,
China

Dr. Junmin Ge

College of Chemistry & Green
Catalysis Center, Zhengzhou
University, Henan 450001, China

Deadline for manuscript
submissions:

31 December 2024

Message from the Guest Editors

This Special Issue is entitled “New Insights in Potassium Ion Batteries: Materials and Properties”. The papers presented in this Special Issue provide an overview of the new insights regarding potassium ion batteries about materials and properties. Research areas may include (but are not limited to) the following: the design, synthesis and characterization of electrode materials and electrolytes, and the modified properties of electrodes for potassium ion batteries. Your contribution to this Special Issue is highly valuable and appreciated. We invite you to contribute research work that explores the new insights in potassium ion batteries from a materials and properties perspective. We look forward to receiving your contributions.

Keywords:

- potassium ion batteries
- anode materials
- cathode materials
- electrolyte
- carbon materials
- layer oxide
- electrochemical properties





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Duncan H. Gregory
School of Chemistry, University of
Glasgow, University Avenue,
Glasgow G12 8QQ, UK

Message from the Editor-in-Chief

Inorganic chemistry remains a lynchpin of modern chemistry, not only embracing the function and reactivity of combinations of most elements of the periodic table, but also providing a footing for studies of materials, catalysts, drugs, fuels and industrial chemicals. Arguably, the role and reach of inorganics in society have never been as great as today. Adventurous research at the heart and at the extremes of inorganic chemistry is vital to further advances and *Inorganics* offers authors the opportunity to publish exciting new research in an open access format.

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), CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q2 (*Chemistry, Inorganic & Nuclear*) / CiteScore - Q2 (*Inorganic Chemistry*)

Contact Us

Inorganics Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/inorganics
inorganics@mdpi.com
X@inorganics_MDPI