

## Special Issue

# Advanced (Lithium-, Sodium-) Battery Materials and Devices Designed for Energy Conversion

### Message from the Guest Editor

In recent years, the research of solid-state batteries has become a hot spot, including the development of new solid-state electrolyte materials, the improvement of chemical and electrochemical stability, and the design of electrode and electrolyte structure. Electrode materials with high specific capacity, stable structure and stable interface between electrode materials and the electrolytes are the key factors to build batteries with high performance. Sodium is abundant in the Earth's crust; therefore, sodium ion battery is considered to be one of the most promising candidates for the next generation of electrochemical power sources, and more and more research is focused on the basic issues of sodium ion batteries.

- lithium/sodium ion batteries
- solid-state batteries
- interface engineering
- lithium/sodium sulfur batteries
- lithium/sodium oxygen batteries
- sodium-based batteries
- cathode
- anode
- electrolyte
- catalyst

### Guest Editor

Prof. Dr. Xiangwei Wu

Shanghai Institute of Ceramics, Chinese Academy of Sciences,  
Shanghai 200050, China

### Deadline for manuscript submissions

closed (20 March 2022)



## Materials

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*Materials*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[materials@mdpi.com](mailto:materials@mdpi.com)

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### Message from the Editor-in-Chief

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### 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

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