Special Issue

Advancements in Electrodes, Electrolytes, and Separator Engineering for Rechargeable Metal Batteries

Message from the Guest Editor

This Special Issue, titled “Advancements in Electrodes, Electrolytes, and Separator Engineering for Rechargeable Metal Batteries”, seeks to establish a comprehensive overview of the latest developments in this research domain, encompassing pioneering methodologies and pivotal breakthroughs in overcoming the hurdles associated with rechargeable metal batteries. The scope of this Special Issue encompasses a broad spectrum of topics, including but not limited to, the following:

- Metal batteries employing lithium, sodium, potassium, zinc, magnesium, calcium, aluminum, and their alloy counterparts.
- Host material construction for metal batteries, encompassing both metal-philic and -phobic varieties, as well as conductive and non-conductive types.
- Electrolyte/separator engineering, spanning additives, polymer electrolytes, solid-state electrolytes, and beyond, tailored for metal batteries.
- Surface modifications and coatings applied to metal electrodes.

Your participation in this Special Issue would be greatly appreciated.

Guest Editor

Dr. Zhixiao Xu

Department of Chemical and Materials Engineering, University of Alberta, 9211-116 Street NW, Edmonton, AB T6G 1H9, Canada

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Processes
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
processes@mdpi.com

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You are invited to contribute either a research article or a comprehensive review for consideration and publication in *Processes* (ISSN 2227-9717). *Processes* is published in open access format – research articles, reviews, and other content are released on the internet immediately after acceptance. The scientific community and the general public have unlimited, free access to the content. As an open access journal, *Processes* is supported by the authors and their institutes through the payment of article processing charges (APCs) for accepted papers. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

Prof. Dr. Giancarlo Cravotto
Department of Drug Science and Technology, University of Turin, Via P. Giuria 9, 10125 Turin, Italy

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