Special Issue

Manufacturing Process on Solid State Electrolytes for Electrochemical Energy Storage

Message from the Guest Editors

This Special Issue of the journal Processes, entitled "Manufacturing Process on Solid State Electrolytes for Electrochemical Energy Storage," aims to bring together research focused on the recent progress and applications of solid state electrolyte materials concerning ion-transporting behaviors, electrochemical properties and tunable interfacial characteristics. Various types of electrolytes play an important role in a large number of electrochemical devices, such as electrochromic devices (for smart windows, signages, electronic paper, etc.), energy storage cells (for metallic ion batteries and super capacity), fuel cells and solar cells. These electrolytes are widely applied in energy, photoelectrochemistry, building, portable electronics and automobiles. Due to growing interest in this field, this Special Issue intends to publish original research papers on the synthesis, characterization and application of new electrolytes for electrochemical energy storage. **Keywords**

- polymer electrolytes
- solid-state electrolytes
- gel-type electrolytes
- electrochemical devices
- redox flow cells
- electrochromics
- batteries
- supercapacity
- fuel cells
- solar cells

Guest Editors

Dr. Yu-Ruei Kung

Department of Chemical Engineering and Biotechnology, Tatung University, Taipei 10452, Taiwan

Prof. Dr. Fu-Ming Wang

Graduate Institute of Applied Science and Technology, National Taiwan University of Science and Technology, Taipei 106, Taiwan

Deadline for manuscript submissions

Processes

an Open Access Journal by MDPI

Impact Factor 2.8
CiteScore 5.5

mdpi.com/si/168045

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

mdpi.com/journal/processes

Processes

an Open Access Journal by MDPI

Impact Factor 2.8
CiteScore 5.5

mdpi.com/journal/processes

About the Journal

Message from the Editor-in-Chief

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

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), Ei Compendex, Inspec, AGRIS, and other databases.

Journal Rank:

CiteScore - Q2 (Chemical Engineering (miscellaneous))