



batteries

an Open Access Journal by MDPI



Recent Developments in Solid-State Hydrogen Storage and Hydrogen Storage Systems

Guest Editor:

Prof. Chiara Milanese

Department of chemistry -
University of Pavia, Viale
Taramelli, 16, I-27100, Pavia, Italy
chiara.milanese@unipv.it

Deadline for manuscript
submissions:

closed (17 July 2019)

Message from the Guest Editor

The ever-increasing demand for energy throughout the world, coupled with the depletion of fossil fuels and the pollution problems due to their use, firmly calls for a clean and sustainable energy system. In the last decades, interest in the use of renewable sources for the production of energy has been increasing. Furthermore, the intermittent character of these sources and the need to shift the transport sector away from oil as soon as possible makes urgent the development of high capacity storage cells characterized by quick release times, suitable for practical applications. Among the solutions proposed until now, chemical energy storage by means of hydrogen, the clean energy carrier par excellence, will be addressed in this Special Issue, which is focused on the latest findings regarding innovative materials for solid-state hydrogen storage and hydrogen storage systems and recent applications of hydrides in the catalysis and energy storage field...



mdpi.com/si/19436

Special Issue



batteries



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Andreas Jossen

Institute for Electrical Energy
Storage Technology (EES),
Technical University München
(TUM), Arcisstrasse 21, 80333
Munich, Germany

Message from the Editor-in-Chief

Take the opportunity to publish your original scientific work or a review paper concerning battery materials, battery technology or battery application within this new open access journal. Along with material science, the journal also addresses engineering and multidisciplinary research topics, such as cell and system design or storage system integration. Publishing proffers visibility for the benefit of other experts and facilitates discussion of the research results within the field. You are invited to publish your work, read published papers and to participate in topical discussions.

Author Benefits

Open Access:— free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [ESCI \(Web of Science\)](#), [Inspec](#), [CAPus / SciFinder](#), and many [other databases](#).

Journal Rank: [CiteScore](#) - Q1 (*Energy Engineering and Power Technology*)

Contact Us

Batteries
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
Fax: +41 61 302 89 18
www.mdpi.com

mdpi.com/journal/batteries
batteries@mdpi.com