



energies



an Open Access Journal by MDPI

Novelty in Hydrogen Storage Materials for Energy Application

Guest Editors:

Dr. Sohan Bir Singh

Prairie Research Institute,
University of Illinois, 1116 South
Oak Street, Champaign, IL 61820,
USA

Dr. Peter Ngene

Materials Chemistry and
Catalysis, Debye Institute for
Nanomaterials Science, Utrecht
University, 3584 CG Utrecht, The
Netherlands

Deadline for manuscript
submissions:

closed (10 June 2024)

Message from the Guest Editors

Dear Colleagues,

This Special Issue, entitled "Novelty in Hydrogen Energy Storage Materials", will concentrate on the most recent developments regarding porous and hydrides materials for hydrogen storage. This Special Issue will accept original research and reviews articles in subject areas, including the fabrication of novel porous materials and hydrides for hydrogen storage. We welcome submissions that include, but are not limited to, the following topics: porous materials (carbon, MOFs, CNTs, graphene, zeolite, etc.); hydrides (NaAlH_4 , MgH_2 , LiBH_4 , TiFeH_2 and $\text{Mg}(\text{BH}_4)_2$) for hydrogen storage; hydrogen adsorption–desorption characteristics; kinetic studies; hydrogen production; and materials-based prototype.

We look forward to receiving your contributions.



mdpi.com/si/174727

Special Issue



energies



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and Industrial Engineering, University Niccolò Cusano, 00166 Roma, Italy

Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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 Compindex, RePEc, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank: CiteScore - Q1 (Control and Optimization)

Contact Us

Energies Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/energies
energies@mdpi.com
[X@energies_mdpi](https://twitter.com/energies_mdpi)