



Research on Integration and Storage Technology of Hydrogen Energy

Guest Editors:

Prof. Dr. Julian Jepsen

1. Institute of Hydrogen Technology, Helmholtz-Zentrum Hereon, Geesthacht, Germany
2. Germany and Institute of Applied Material Science, Helmut-Schmidt University, Hamburg, Germany

Dr. Puzkiel Julián

1. Institute of Hydrogen Technology, Helmholtz-Zentrum Hereon, Geesthacht, Germany
2. Germany and Institute of Applied Material Science, Helmut-Schmidt University, Hamburg, Germany

Deadline for manuscript submissions:

26 November 2024

Message from the Guest Editors

Dear Colleagues,

With this Special Issue, we would like to address the importance of system integration for the implementation of hydrogen technology. Many of the applications have already reached a high technological readiness level. Therefore, system integration in real applications is becoming an increasingly important field of research and development. By system integration, we mean the spatial and technical integration of the components of the hydrogen chain. The hydrogen chain involves its production, storage and utilization in mobile or stationary applications. For this, the system integration must take into consideration not only mass flows but also temperature and pressure conditions for the respective application. In the forthcoming years, this field of research will gain further importance due to the impulse of hydrogen technology to reduce CO₂ emissions and cover the growing energy demand. Against this background, we look forward to receiving exciting contributions to this Special Issue.

Prof. Dr. Julian Jepsen

Dr. Puzkiel Julián

Guest Editors





energies



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and
Aerospace Engineering,
University of Roma Sapienza, Via
Eudossiana 18, 00184 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 Compendex, 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)