

Special Issue

Research on Integration and Storage Technology of Hydrogen Energy

Message from the Guest Editors

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.

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Deadline for manuscript submissions

closed (15 April 2025)



Energies

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Impact Factor 3.9
CiteScore 8.3



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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.

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