Special Issue

Hydrogen Storage System Modeling and Optimization

Message from the Guest Editors

This Special Issue on “Hydrogen Storage System Modeling and Optimization” focuses on pioneering research and advancements in hydrogen storage technology. It aims to feature innovative investigations at the multiscale, i.e., from material to system, alongside fundamental studies, advanced modeling, and optimization techniques. We invite research and review articles from diverse disciplines to enhance understanding and guide future innovation in hydrogen storage systems. Topics include, but are not limited to, the following:

- Advanced materials and technologies for hydrogen storage: Exploring innovative materials and technologies for advanced hydrogen storage.
- Modeling, simulation, and optimization techniques: Developing and applying multiscale models to comprehend and optimize the hydrogen storage process.
- System assessments: Assessing the safety, risks, economic feasibility, and environmental impacts associated with hydrogen storage systems.
- Case studies on hydrogen storage applications: Demonstrating real-world applications and the practical challenges and successes of hydrogen storage in various sectors.

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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

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