Special Issue

Liquid Hydrogen Management and Application

Message from the Guest Editor

Liquid hydrogen is a traditional carrier of energy as well as a competitive hydrogen storage scheme. Owing to its incomparable specific impulse advantage, liquid hydrogen has been selected as the launch vehicle fuel since 1960s, and a lot of aerospace missions have been implemented on the basis of successful management and application of liquid hydrogen. In this field, great techniques of liquid hydrogen have been accumulated and could be relied on for civil and commercial applications. In modern society, hydrogen attracts great attention in the energy area due to its inherent clean and high-energy density features, and techniques in the hydrogen chain involving hydrogen production, storage, transfer, and applications are urgently needed and are being developed. In this field, liquid hydrogen still plays a vital role, especially in hydrogen storage and transfer. The growing requirements of liquid hydrogen in the aerospace and civil energy fields have pushed forward research in the area of mechanisms and modeling, high-efficient storage, reliable transfer, and safety management associated with liquid hydrogen.

Guest Editor

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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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