Special Issue

Advanced Methods for Hydrogen Production, Storage and Utilization, 2nd Edition

Message from the Guest Editors

Renewable hydrogen plays a critical role in the current energy transition, and can facilitate the decarbonization and defossilization of hard-to-abate sectors, such as the industrial, power, transportation and residential sectors. Governments worldwide are implementing ambitious policies to support the establishment of hydrogen technologies, whereas numerous projects and investments are dedicated to this field. This momentum is accelerating the cost and efficiency improvements across the complete renewable hydrogen value chain. However, significant research and advancements in the hydrogen production, storage, transportation and utilization infrastructure is still necessary for the widespread adoption and derisking of hydrogen technologies. This Special Issue invites original research papers that cover a wide range of topics in the renewable hydrogen value chain, such as advanced production methods, innovative storage/transportation technologies and novel utilization applications. Authors are also encouraged to submit review papers that summarize the state-of-the-art and recent progress in these fields.

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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.

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