Special Issue

Advances in Hydrogen Production and Hydrogen Separation

Message from the Guest Editors

Dear Colleagues Hydrogen is broadly considered a clean energy carrier of the future due to its ability to produce energy without emitting pollutants when utilized. In order to meet the current hydrogen global demand, different production technologies need to be considered, including electrochemical, thermochemical, photochemical, and photobiological methods. Some of these technical approaches are already commercialized, while others are at an earlier stage of development. Moreover, some technologies require separation coupled to purification methods due to the production of hydrogen-rich gases rather than solely high-purity hydrogen. This Special Issue on “Advances in Hydrogen Production and Hydrogen Separation” welcomes original research involving numerical and experimental studies focusing on the latest developments in hydrogen production and separation technologies, covering a broad range of methods for the production of hydrogen from a variety of sources. Topics include but not are limited to hydrogen production technologies, including chemical, biological, and renewable processes, and hydrogen separation methods.

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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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