Special Issue

Advances in Green Hydrogen Production and Applications

Message from the Guest Editor

Hydrogen is one of the more promising solutions to this enduring challenge, as it is a fuel with a very-high energy density, pollution-free combustion, and, more importantly, “green” methods are available for its production that are based on renewable energy sources. Green hydrogen production is a key component in sustainable future planning, along with the promising applications that exist for this fuel. Such technologies can be utilized for transportation, distributed electricity, or heating and energy storage applications. Therefore, a renewable chain can be established, starting with freely available and theoretically unlimited sources, leading to the production of a potent environmentally friendly fuel, and concluding with its utilization in necessary applications, removing the dependence on finite and toxic energy sources. The aim of this Special Issue is to gather and present the most recent advances that concern “green” methods of hydrogen production and the subsequent applications of the produced fuel, covering all stages of this path from the design of the production methods to the efficiency of the hydrogen-utilizing applications.

Guest Editor

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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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