

Special Issue

Opportunities, Challenges and Solutions for the Development of the Hydrogen Economy

Message from the Guest Editor

It is now abundantly clear that we need to restructure the use of energy across our society to avoid catastrophic climate change. Hydrogen is widely anticipated to play at least some role in the decarbonisation of industry, transport and building energy systems, although it is quite clear that there are also a number of challenges associated with such a transition. Hydrogen may also play a critical role in industries that are challenging to decarbonise in other ways, including steel making and processes requiring combustion temperatures. This Special Issue, therefore, seeks to contribute to the understanding of hydrogen technologies through enhanced scientific and multidisciplinary knowledge that can highlight some of the challenges—and opportunities—associated with the uptake of hydrogen for decarbonisation. We therefore invite papers on innovative technical developments, reviews, case studies, analytical, as well as assessment, papers from different disciplines, which are relevant to hydrogen energy systems.

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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