Special Issue

Advances in Hydrogen Safety

Message from the Guest Editor

Concern for global warming and climate change has shifted the philosophy of energy production from economic deployment to clean and sustainable utilization. In this regard, hydrogen is deemed as one of strong clean energy candidates that can eliminate CO2 emission and other harmful byproducts. Numerous technical developments are underway to produce, store, and transport hydrogen to compete with conventional energy resources such as coal, natural gas, solar, wind, and nuclear energy. Hydrogen is an apparently clean and attractive source of energy as long as its safety concerns can be eliminated. This Special Issue, therefore, seeks to contribute to resolving the safety issues associated with hydrogen energy. Suggested topics may include research on various aspects of hydrogen combustion risk, such as flammability limit, peak flame temperature, and prediction of combustion modes in a local and global system domain. We invite any studies relevant to the safety of hydrogen in terms of regulatory policy, technical assessment, analytical modeling, as well as innovative concepts to improve the safety in utilizing hydrogen energy.

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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