



Advances in Hydrogen Safety

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

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.





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Message from the Editor-in-Chief

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