

Special Issue

Hydrogen Utilization in Industrial-Scale Applications: Implications, Challenges and Opportunities

Message from the Guest Editor

This Special Issue will cover both types of topics, including the following: hydrogen/hydrogen carriers' interactions with industrial materials, hydrogen utilization for heat and power, large-scale hydrogen storage options, hydrogen and ammonia engines and turbines, novel pathways of ammonia synthesis, hydrogen compression, and hydrogen use for grid stabilization. Both applied and theoretical works are welcome in this Special Issue, including experimental work at the laboratory and pilot-scale levels; modeling work on chemical processes and reactions related to hydrogen utilization; and techno-economic, environmental, and feasibility studies.

Guest Editor

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Message from the Editor-in-Chief

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