

Special Issue

Hydrogen and Fuel Cell Technologies: A Clean Energy Pathway

Message from the Guest Editors

This Special Issue, “Hydrogen and Fuel Cell Technologies: A Clean Energy Pathway”, aims to capture the latest advancements and critical analyses across the entire hydrogen value chain. We seek to foster a comprehensive dialogue focused on accelerating the development and deployment of these technologies, from production and storage to end-use applications in fuel cells, highlighting their integral role in building a resilient and low-carbon energy ecosystem. This Special Issue will focus on, but is not limited to, the following thematic areas:

- Development of fuel cells for various applications, such as transportation (cars, buses, trucks, trains, and marine transportation), stationary power generation, and portable devices;
- Materials science for fuel cells: advanced catalysts, membranes, and electrolytes to enhance performance and durability;
- System integration, power management, and hybridization of fuel cell systems;
- Policy, market frameworks, and strategies for scaling up hydrogen and fuel cell technologies.

Guest Editors

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About the Journal

Message from the Editor-in-Chief

Hydrogen aims to be an advanced forum for scientists and engineers worldwide to share, promote and disseminate their fundamental discoveries and research innovations in the field of hydrogen science and technology as well as their studies regarding the market and socio-economic prospects of Hydrogen economy. The topics of interest include (but are not limited to): Hydrogen generation; Hydrogen storage; Hydrogen transport, distribution, and infrastructure; Hydrogen use; Reactions with hydrogen; Hydrogen applications; Fundamental aspects such as thermodynamics, properties, isotopes, compounds, phases, atomic and molecular hydrogen.

We hope to receive your finest work for publication in this journal and welcome your comments and suggestions on how to make *Hydrogen* an exceptional journal.

Editor-in-Chief

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