Special Issue

Advances in Hydrogen Storage Materials: Integrating Theory, Computation and Experimental Insights

Message from the Guest Editors

Dear colleagues,

This Special Issue, Advances in Hydrogen Storage Materials: Integrating Theory, Computation and Experimental Insights, seeks to establish a nexus of cross-disciplinary scholarship that integrates fundamental research with translational technology development. By synthesizing theoretical frameworks, computational intelligence, and experimental verification, this collection will delineate viable pathways for next-generation storage architectures compatible with global carbon neutrality initiatives. We solicit original contributions that transcend conventional disciplinary demarcations—advancing hydrogen storage from conception to implementable solutions with planetary-scale implications.

In this Special Issue, original research articles and reviews are welcome.

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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