Special Issue

Nano Hydrogen Production and Storage

Message from the Guest Editors

Hydrogen production and storage has attracted much attention in both academia and industry recently. Hydrogen is one of the most important molecules in energy industries. Among existing chemicals, hydrogen contains the simplest chemical form but the highest specific mass energy density. Hydrogen energy technologies perform direct electricity conversion efficiency up to 85% and ultra-high power density up to MW to the optimist case. Upon energy conversion, hydrogen molecules will turn into water molecules, thereby resulting in zero pollutant emissions. By collaborating with renewable energies, hydrogen is a potential candidate to meet the criteria of the green energy cycle and achieve substantial human civilization.

This Special Issue is an opportunity for the scientific community to present recent research regarding new methods and devices or systems for hydrogen generation, storage, and utilization applications as key aspects of a future hydrogen economy.

Guest Editors

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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