

Special Issue

Development of Hydrogen Storage Materials and Hydrogen Production Processes

Message from the Guest Editors

Hydrogen is recognized as a green and clean energy carrier, and has received a great deal of attention. However, the realization of hydrogen energy economy faces three major problems: the cheap production of hydrogen in large quantities, efficient and safe storage and transportation, and the application of economies of scale. The development of hydrogen storage materials and hydrogen production processes has become a hot topic in the field of clean energy. The combination of hydrogen and hydrogen storage materials will be the best combination for the development and utilization of new energy (i.e., hydrogen energy) in the future. This Special Issue, titled “Development of Hydrogen Storage Materials and Hydrogen Production Processes”, aims to introduce the latest progress in topics related to hydrogen storage materials and hydrogen production processes. Topics include, but are not limited to, methods and/or application in the following areas: Hydrogen production processes; Hydrogen storage materials; Hydrogen utilization technologies; Distributed hydrogen energy systems; Advanced hydrogen production technologies.

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