

Topical Collection

Carbon-Based Materials for Hydrogen Production, Storage and Conversion

Message from the Collection Editors

H₂ is considered to be the ideal carbon-free energy carrier for stationary, mobile, and portable applications, in addition to being the most promising alternative to fossil fuel combustion. Nanoporous carbons and novel composites thereof could play a key role in the development of H₂ technologies. Even more attractive and promising carbonaceous materials have emerged in recent years, including 0D, 1D, 2D, and 3D nanostructures and novel nanocomposites. This Special Issue will highlight the implementation of different carbons and composite structures produced in various forms for advanced applications related to H₂ generation, solid-state H₂ storage, and H₂ conversion.

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Message from the Editor-in-Chief

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