

# Topical Collection

## Carbon-Based Materials for Hydrogen Production, Storage and Conversion

### Message from the Collection Editors

H<sub>2</sub> 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 H<sub>2</sub> 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 H<sub>2</sub> generation, solid-state H<sub>2</sub> storage, and H<sub>2</sub> conversion.

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