Special Issue

Carbon Composites for Energy Conversion and Storage

Message from the Guest Editors

With increasing energy demands and rising concerns about energy shortages, there is an intense effort worldwide to find sustainable and green energy sources as alternatives to widely used fossil fuels. Whilst energy generation from these sustainable sources is of the utmost importance, energy conversion and storage are equally essential. The latter issue relies heavily on the development of smart materials and novel strategies that may generate cost-effective nanomaterials and nanocomposites with superb performance in energy conversion and storage technologies. The above interests are the driving force of this Special Issue, which will address the different challenges directly linked to carbon-based advanced composites and summarize recent developments achieved in the broad range of energy conversion and storage applications. The scope of this Special Issue will cover the composite synthesis, characterization, and performance evaluation that is associated with the conversion and storage of thermal, solar, electrochemical, mechanical, and hydrogen energies.

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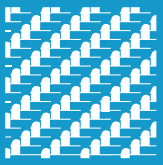

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