

Special Issue

Porous Carbon Nanomaterials and Their Composites for Energy Storage

Message from the Guest Editors

Carbon nanomaterials have been widely used in electrochemical energy storage devices (lithium-ion batteries and supercapacitors), especially porous carbon nanomaterials, due to their stable structure, wide source of raw materials, and rich variety. The specific surface area, pore size distribution, surface infiltration, microscopic morphology, and doping of atoms and composites with nanomaterials have large effects on the electrochemical properties of porous carbon nanomaterials. Therefore, it is urgent to seek novel high-performance porous carbon and its nanocomposites for electrochemical energy storage devices. This Special Issue, titled "Porous Carbon Nanomaterials and Their Composites for Energy Storage", aims to explore the latest developments in porous carbon nanomaterials and their composites for electrochemical energy storage devices. The topics of interest include but are not limited to novel preparation techniques, carbon nanomaterials with advanced structure, high-performance porous carbon and its composites, and carbon-based electrode materials with special properties (compressible, stretchable, foldable, etc.).

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About the Journal

Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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