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Porous Carbon Nanocomposites for Catalysis

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Message from the Guest Editors

Porous carbon nanocomposites are one of the most important, common, and efficient catalysts for multiple fields owing to their inexpensive and easily available raw materials, high specific surface area, large pore volume, excellent electricity, and thermal conductivity. This Special Issue is focused on Porous Carbon Nanocomposites for Catalysis. The materials in focus are porous carbon-based nanocomposites, whose applications should focus on catalysis for energy conversion, organic synthesis, biomass conversion, pollutant treatment, sensors and combustion, but not limited to them. We welcome papers showing the innovative or highly effective role of porous carbon nanocomposites in catalytic functions, material functionalization, or the construction of structure-activity relationships.

- porous carbon material
- nanocomposite
- catalysis
- energy conversion
- organic synthesis
- biomass conversion
- pollutant treatment
- sensors
- combustion



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Special Issue



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Message from the Editor-in-Chief

Nanoscience and nanotechnology are exciting fields of research and development, with wide applications to electronic, optical, and magnetic devices, biology, medicine, energy, and defense. At the heart of these fields are the synthesis, characterization, modeling, and applications of new materials with lower nanometer-scale dimensions, which we call “nanomaterials”. These materials can exhibit unusual mesoscopic properties and include nanoparticles, coatings and thin films, metal-organic frameworks, membranes, nano-alloys, quantum dots, self-assemblies, 2D materials such as graphene, and nanotubes. Our journal, *Nanomaterials*, has the goal of publishing the highest quality papers on all aspects of nanomaterial science to an interdisciplinary scientific audience. All of our articles are published with rigorous refereeing and open access.

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