

Special Issue

Synthesis and Applications of Carbon-based Catalysts

Message from the Guest Editors

Carbon-based materials are employed in many catalytic processes, either as supports or as metal-free catalysts by themselves. Their porosity and surface chemistry are easily tunable, enabling the rational design of carbon-based catalysts, making them suitable for many different catalytic applications, from fine chemical synthesis to environmental processes or the production of energy. Activated carbons, graphitized materials (e.g., carbon xerogels), and several carbon nanostructures, such as carbon nanotubes and nanofibers or graphene, are included among the most common carbon materials used in these sorts of applications. In this Special Issue, we invite authors to submit original articles and reviews on the synthesis and applications of carbon-based materials in the catalysis.

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