



Preparation and Catalytic Properties of Porous Carbon Nanomaterials

Guest Editor:

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Message from the Guest Editor

Porous carbon nanomaterials are commonly used as catalysts. Compared with traditional catalyst carriers, the pore structure is regular and controllable, and the connecting holes between the pores are small. A catalyst is restricted in pores after loading, and it is not easy to agglomerate, which significantly improves the catalyst's life. The required pore structure can also be accurately designed according to the size of the reactants and products to facilitate the entry and exit of reactants and products, which can significantly improve catalytic efficiency. In addition, porous carbon can also be used as a nonmetallic catalyst, such as nitrogen-doped porous carbon materials, which have catalytic activity in many reactions, and its application in oxidation, electrocatalysis, and acetylene hydrochlorination has been widely examined.

This Special Issue aims to collect the most recent progress and new developments in the design, synthesis, and characterization of porous carbon nanomaterials, as well as their catalytic applications.

We look forward to receiving your contributions.

Dr. Qingshan Zhao

Guest Editor





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Message from the Editor-in-Chief

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