



Synthesis of Carbon Nanomaterials and Carbon Nanomaterial–Metal(Oxide) Composites and Their Applications in Catalysis

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Message from the Guest Editor

This Special Issue will focus mainly on new carbon and carbon–metal composites, their preparation methods and their applications in catalysis: heterogenous catalysis, electrocatalysis, photocatalysis and photo(electro)catalysis. In this context, the investigation of active catalytic sites (including carbon defects, metal structure, and carbon–metal interactions) by spectroscopic, microscopic, (electro)chemical and other characterization techniques, as well as of related properties, are within the scope of the issue. Likewise the Special Issue will cover all approaches providing an improvement of catalytic performance and related processes. We also welcome contributions on any aspect addressing the important problems of “on-carbon” catalysis and how to avoid the excessive stacking of nanocarbons, thus protecting their efficient surface area.





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Message from the Editor-in-Chief

ChemEngineering is to consolidate its position as a high-quality, open access journal that not only disseminates excellent research but also sets the agenda for future directions in chemical engineering. We will continue to highlight core areas such as catalysis, process intensification, and the circular economy, while also opening the door to emerging topics such as multi-energy systems that integrate light, heat, and electricity, etc., as well as digital tools, modelling, and artificial intelligence applied to chemical engineering.

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