Special Issue

Recent Advances in Carbon Nanotube Catalysts

Message from the Guest Editors

CNTs created an immediate breakthrough among diverse scientific communities due to their outstanding properties. Their inertness, mechanical, thermal stability and tuneable topography can be an asset in heterogeneous catalysis. Their distinct optical/spectroscopic properties have been used in biosensing, and medicine. CNTs have become exceptional components in many composites or hybrids. CNTs are still undoubted protagonists in nanotechnology research, and the bulk of new insights together with the progress of characterization techniques and computing science is revealing that much has yet to come. New synthetic protocols for CNTs and the broad interest have already caused a drop of the cost of these carbon nanostructures, and new discoveries will continue to propel CNTs as valuable building blocks in the assembly of materials with unprecedented properties. This Special Issue aims at defining the new frontiers of CNTs, with an emphasis on the benefits in the formulation of high performance heterogeneous catalysts. While catalysis will be the main subject, the issue will feature those studies with some novelty in the modification of CNTs for other applications.

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