

Special Issue

Carbon-Based Sensors

Message from the Guest Editor

Sensors will play an even more significant impact in future years and demand for highly responsive, selective, and cost effective sensors requires research on new sensing materials and technologies. Novel nanoscale carbon materials may provide new opportunities towards the development of highly miniaturized and integrated sensors and bring new challenges in their synthesis, assembly and fabrication. Functional carbon materials include graphene, carbon nanotubes and their assemblies, such as fibers, fabrics or mats, porous carbon, and polymeric-based carbon fibers. These materials have superb mechanical, thermal and electrical properties and could be tapped to develop the next generation of sensors.

Guest Editor

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