Functionalization of Graphene

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DESCRIPTION

All set to become the standard reference on the topic, this book covers the most important procedures for chemical functionalization, making it an indispensable resource for all chemists, physicists, materials scientists and engineers entering or already working in the field. Expert authors share their knowledge on a wide range of different functional groups, including organic functional groups, hydrogen, halogen, nanoparticles and polymers.

ABOUT THE AUTHOR

Vasilios Georgakilas received his BSc in Chemistry in 1989 and his Ph.D in Organic Chemistry in 1998 from the University of Ioannina (Greece). He worked as a Postdoctoral Fellow at the University of Trieste (Italy) with Professor Maurizio Prato (2000-2002), as Research Associate at the Institute of Materials Science of N.C.S.R. "Demokritos" in Greece (1999-2000 & 2003-2010) and as Chemist at the Institute of Food Hygiene (Ministry of Agriculture & Food Development-Greece) (2004-2012). In 2013 he was appointed as Assistant Professor in the Materials Science Department of the University of Patras (Greece). His research focuses on the functionalization of carbon nanostructured materials (fullerene, carbon nanotubes, graphene, C dots) for application in catalysis, bionanotechnology, nanoelectronics.

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