

Preface

Graphene and carbon nanotube (CNT) are extremely hot topics, and every day new research papers are published on this subject. This book contains complete and current reviews on graphene and CNT topics, such as synthesis, characterization, and application of functionalized materials. The characterization of functionalized materials is extremely important for the physicochemical characterization of the material obtained after the functionalization treatments. However, this characterization is rarely addressed in books or review articles. Generally, the functionalization reviews are too wide-ranging, discussing the functionalization of various materials (e.g., nanomaterials), or too specific, analyzing only one material type (e.g., only CNT) or only one functionalization agent (with some specific chemical group, e.g.). This book, however, proposes to discuss the functionalization of two of the most widely used nanomaterials in recent years: graphene and CNT. Thus, the reader will find information on graphene and CNT functionalization, using several functionalization agents, in the same book.

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Functionalizing Graphene and Carbon Nanotubes

A Review

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