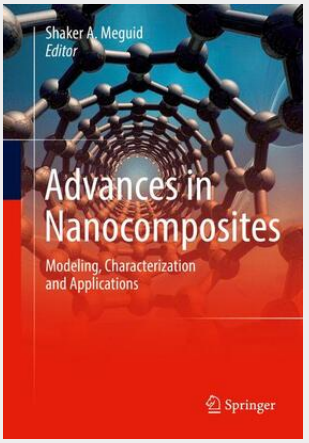
Meguid

Advances in Nanocomposites

Modeling, Characterization and Applications



This book introduces nanocomposite materials possessing a broad range of multifunctionality. It elucidates novel and highly original developments from recent research and development of these critical, new engineered materials. The collection examines multiscale modeling, molecular dynamics, atomistic based continuum, synthesis and characterization, condition health monitoring, spectroscopic characterization techniques, self-lubricating materials, and conducting polymers. The volume features the latest efforts of some of the most eminent researchers in the world. Providing a range of perspectives from the laboratory and the field, Advances in Nanocomposites: Modeling and Characterization is ideal for engineers, physicists, and materials scientists in academia and industry.

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106,99 €
99,99 € (zzgl. MwSt.)

Lieferfrist: bis zu 10 Tage

Artikelnummer: 9783319316604
Medium: Buch
ISBN: 978-3-319-31660-4
Verlag: Springer International Publishing
Erscheinungstermin: 27.07.2016
Sprache(n): Englisch
Auflage: 1. Auflage 2016
Produktform: Gebunden
Gewicht: 5443 g
Seiten: 266
Format (B x H): 160 x 241 mm