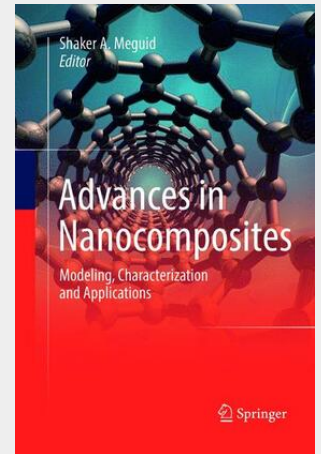


Advances in Nanocomposites

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 €

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Lieferfrist: bis zu 10 Tage

Artikelnummer: 9783319810904

Medium: Buch

ISBN: 978-3-319-81090-4

Verlag: Springer International Publishing

Erscheinungstermin: 31.05.2018

Sprache(n): Englisch

Auflage: Softcover Nachdruck of the original 1. Auflage 2016

Produktform: Kartoniert

Gewicht: 4277 g

Seiten: 266

Format (B x H): 155 x 235 mm

