



Structure and Multiscale Mechanics of Carbon Nanomaterials

By Oskar Paris

Springer-Verlag KG Jan 2016, 2016. Buch. Book Condition: Neu. 23.5x15.5x cm. Neuware - This book provides a broad overview on the relationship between structure and mechanical properties of carbon nanomaterials from world-leading scientists in the field. The main aim is to get an in-depth understanding of the broad range of mechanical properties of carbon materials based on their unique nanostructure and on defects of several types and at different length scales. Besides experimental work mainly based on the use of (in-situ) Raman and X-ray scattering and on nanoindentation, the book also covers some aspects of multiscale modeling of the mechanics of carbon nanomaterials. 226 pp. Englisch.

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