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Sommario/riassunto

This book, edited by Mayank Pandey, Kalim Deshmukh, and Chaudhery Mustansar Hussain, provides a comprehensive exploration of polymer processing, properties, and applications. It delves into the synthesis methods and surface modification of two-dimensional nanomaterials, examining their unique structures and diverse applications. The text covers various types of 2D nanomaterials, including graphene, hexagonal boron nitride, and transition metal compounds, among others. It addresses their electrical, thermal, mechanical, and optical properties, as well as their potential applications in fields such as energy storage, biomedical engineering, and environmental sensing. The book is intended for researchers, scientists, and advanced students interested in materials science and nanotechnology.
