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| Nota di bibliografia | Includes bibliographical references and index. |
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Sommario/riassunto

Nanotechnology and Functional Materials for Engineers focuses on key essentials and examples across the spectrum of nanomaterials as applied by engineers, including nanosensors, smart nanomaterials, nanopolymers, and nanotubes. Chapters cover their synthesis and characteristics, production methods, and applications, with specific sections exploring nanoelectronics and electro-optic nanotechnology, nanostructures, and nanodevices. This book is a valuable resource for interdisciplinary researchers who want to learn more about how nanomaterials are used in different types of engineering, including electrical, chemical, and biomedical. Offers in-depth information on a variety of nanomaterials and how they are used for different engineering applications Provides an overview of current research and suggests how this will impact future applications Explores how the unique properties of different nanomaterials make them particularly suitable for specific applications
