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Nota di bibliografia	Includes bibliographical references (pages 203-207) and index.
Nota di contenuto	Chapter 1 - Properties of Nanomaterials -- Chapter 2 - Synthesis of nanomaterials -- Chapter 3 - Characterization and analysis of nanomaterials -- Chapter 4 - Mechanical and magnetic properties of nanomaterials -- Chapter 5 - Electrical and optical properties of nanomaterials -- Chapter 6 - Nanodevices and nanostructures -- Chapter 7 - Carbon Nanotubes -- Chapter 8 - Semiconductor Quantum Dots -- Chapter 9 - Superconductivity -- Chapter 10 - Multi-application of nanomaterials.
Sommario/riassunto	This book includes the synthesis, analysis and characterization of nanomaterials that are an important ingredient in nanotechnologies. Nanomaterials contain nanoparticles, smaller than 100 nanometers in at least one dimension. Nanomaterials are coming into use in health care, electronics, cosmetics and other areas. Their physical and

chemical properties differ from those of bulk materials. This needs to cover health risks to workers and potential risks to environment. This is currently done on a case-by-case basis, but risk assessment methods need to be kept up to date as the use of nanomaterials expands, especially as they find their way into consumer products. This book covers the basics to advanced applications of nanomaterials and provides a useful resource for researchers and professionals in the field.
