

1. Record Nr.	UNINA9910965650003321
Titolo	Handbook of nanophysics . 4 Nanotubes and nanowires / / editor, Klaus D. Sattler
Pubbl/distr/stampa	Boca Raton, : Taylor & Francis, 2010
ISBN	1-04-022004-5 0-429-19315-7 1-4200-7543-8
Edizione	[1st ed.]
Descrizione fisica	1 online resource (770 p.)
Collana	Handbook of Nanophysics
Altri autori (Persone)	SattlerKlaus D
Disciplina	620/.5
Soggetti	Nanotubes Nanowires
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Front cover; Contents; Preface; Acknowledgments; Editor; Contributors; PART I: Carbon Nanotubes; Chapter 1. Pristine and Filled Double-Walled Carbon Nanotubes; Chapter 2. Quantum Transport in Carbon Nanotubes; Chapter 3. Electron Transport in Carbon Nanotubes; Chapter 4. Thermal Conductance of Carbon Nanotubes; Chapter 5. Terahertz Radiation from Carbon Nanotubes; Chapter 6. Isotope Engineering in Nanotube Research; Chapter 7. Raman Spectroscopy of sp ² Nano-Carbons; Chapter 8. Dispersions and Aggregation of Carbon Nanotubes; Chapter 9. Functionalization of Carbon Nanotubes for Assembly Chapter 10. Carbon Nanotube Y-JunctionsChapter 11. Fluid Flow in Carbon Nanotubes; PART II: Inorganic Nanotubes; Chapter 12. Inorganic Fullerenes and Nanotubes; Chapter 13. Spinel Oxide Nanotubes and Nanowires; Chapter 14. Magnetic Nanotubes; Chapter 15. Self-Assembled Peptide Nanostructures; PART III: Types of Nanowires; Chapter 16. Germanium Nanowires; Chapter 17. One-Dimensional Metal Oxide Nanostructures; Chapter 18. Gallium Nitride Nanowires; Chapter 19. Gold Nanowires; Chapter 20. Polymer Nanowires; Chapter 21. Organic Nanowires; PART IV: Nanowire Arrays Chapter 22. Magnetic Nanowire ArraysChapter 23. Networks of Nanorods; PART V: Nanowire Properties; Chapter 24. Mechanical

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Intensive research on fullerenes, nanoparticles, and quantum dots in the 1990s led to interest in nanotubes and nanowires in subsequent years. Handbook of Nanophysics: Nanotubes and Nanowires focuses on the fundamental physics and latest applications of these important nanoscale materials and structures. Each peer-reviewed chapter contains a broad-based introduction and enhances understanding of the state-of-the-art scientific content through fundamental equations and illustrations, some in color. This volume first covers key aspects of carbon nanotubes, including quantum and electron transpor
