

1. Record Nr.	UNINA990008800150403321
Titolo	Cultura di network performance e dinamiche competitive / Silvio M. Brondoni(ed.)
Pubbl/distr/stampa	Torino : Giappichelli, c2006
ISBN	978-88-348-7304-5
Descrizione fisica	305 p. ; 24 cm
Disciplina	658.1
Locazione	DECBC
Collocazione	CUL658.1A
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Sull'occhietto progetto di ricerca di rilevante interesse nazionale 2003-2005

2. Record Nr.	UNINA9910830585503321
Titolo	Carbon nanotubes and related structures [[electronic resource]] : synthesis, characterization, functionalization, and applications / / edited by Dirk M. Guldi and Nazario Martin
Pubbl/distr/stampa	Weinheim, : Wiley-VCH Verlag GmbH & Co., 2010
ISBN	3-527-62993-9 1-282-49159-8 9786612491597 3-527-62994-7
Descrizione fisica	1 online resource (563 p.)
Altri autori (Persone)	GuldiD. M (Dirk M.) MartinNazario
Disciplina	546.681
Soggetti	Carbon Nanostructured materials
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	Carbon Nanotubes and Related Structures: Synthesis, Characterization, Functionalization, and Applications; Contents; Preface; List of Contributors; 1 Carbon Nanotubes and Related Structures: Production and Formation; 2 Theory of Electronic and Optical Properties of DNA-SWNT Hybrids; 3 Electrochemistry; 4 Photophysics; 5 Noncovalent Functionalization of Carbon Nanotubes; 6 Covalent Functionalization of Carbon Nanotubes; 7 Carbon-Based Nanomaterial Applications in Biomedicine; 8 Ground and Excited State Charge Transfer and its Implications 9 Photovoltaic Devices Based on Carbon Nanotubes and Related Structures10 Layer-by-Layer Assembly of Multifunctional Carbon Nanotube Thin Films; 11 Carbon Nanotubes for Catalytic Applications; 12 Carbon Nanotubes as Containers; 13 Carbon Nanohorn; 14 Self-Organization of Nanographenes; 15 Endohedrals; 16 Carbon Nanostructures: Calculations of Their Energetics, Thermodynamics, and Stability; Index
Sommario/riassunto	Written by the most prominent experts and pioneers in the field, this

ready reference combines fundamental research, recent breakthroughs and real-life applications in one well-organized treatise. As such, both newcomers and established researchers will find here a wide range of current methods for producing and characterizing carbon nanotubes using imaging as well as spectroscopic techniques. One major part of this thorough overview is devoted to the controlled chemical functionalization of carbon nanotubes, covering intriguing applications in photovoltaics, organic electronics and materi
