

1. Record Nr.	UNINA9911006533803321
Titolo	The chemistry of nanostructured materials // editor, Peidong Yang
Pubbl/distr/stampa	River Edge, NJ ; ; London, : World Scientific, c2003
ISBN	9786611871970 9781281871978 1281871974 9781601198587 1601198582 9789812560049 9812560041
Descrizione fisica	1 online resource (386 p.)
Altri autori (Persone)	YangPeidong
Disciplina	620.11299
Soggetti	Nanostructured materials Nanotechnology
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.
Nota di contenuto	Foreword; Contents; Crystalline Microporous and Open Framework Materials; Mesoporous Materials; Macroporous Materials Containing Three-Dimensionally Periodic Structures; CVD Synthesis of Single-Walled Carbon Nanotubes; Nanocrystals; Inorganic Fullerene-Life Structures and Inorganic Nanotubes from 2-D Layered Compounds; Semiconductor Nanowires: Functional Building Blocks for Nanotechnology; Harnessing Synthetic Versatility Toward Intelligent Interfacial Design: Organic Functionalization of Nanostructured Silicon Surfaces; Molecular Networks as Novel Materials; Molecular Cluster Magnets Block Copolymers in NanotechnologyThe Expanding World of Nanoparticle and Nanoporous Catalysts; Nanocomposites
Sommario/riassunto	This important book reviews extensively the preparative chemistry of various nanostructured materials, as well as structural-property correlations for these new materials. Materials of current interest, such as nanocrystals, nanowires, nanotubes, porous materials, and composites, are comprehensively covered.

