

1. Record Nr.	UNINA9910450638803321
Titolo	A review of the literature published between July 1996 and June 1997 [[electronic resource] /] / senior reporter A. Gilbert
Pubbl/distr/stampa	Cambridge, : Royal Society of Chemistry, c1998
ISBN	1-84755-478-4
Descrizione fisica	1 online resource (510 p.)
Collana	A specialist periodical report: Photochemistry ; ; v.29
Altri autori (Persone)	GilbertA
Disciplina	541.3/5 541.35
Soggetti	Photochemistry Chemistry, Physical and theoretical Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes references and index.
Nota di contenuto	PH9780854044153-FX001; PH9780854044153-FP001; PH9780854044153-FP005; PH9780854044153-00001; PH9780854044153-00015; PH9780854044153-00017; PH9780854044153-00069; PH9780854044153-00071; PH9780854044153-00095; PH9780854044153-00135; PH9780854044153-00164; PH9780854044153-00204; PH9780854044153-00239; PH9780854044153-00316; PH9780854044153-00351; PH9780854044153-00353; PH9780854044153-00411; PH9780854044153-00413; PH9780854044153-00423; PH9780854044153-00425; PH9780854044153-00453
Sommario/riassunto	The breadth of scientific and technological interests in the general topic of photochemistry is truly enormous and includes, for example, such diverse areas as microelectronics, atmospheric chemistry, organic synthesis, non-conventional photoimaging, photosynthesis, solar energy conversion, polymer technologies, and spectroscopy. This Specialist Periodical Report on Photochemistry aims to provide an annual review of photo-induced processes that have relevance to the above wide-ranging academic and commercial disciplines, and interests in chemistry, physics, biology and technology. In order to

2. Record Nr.	UNINA9911004837303321
Titolo	Nanometer structures : theory, modeling, and simulation / / Akhlesh Lakhtakia, editor
Pubbl/distr/stampa	Bellingham, Wash., : SPIE Press, 2004
ISBN	1-61583-720-5 0-8194-8114-9
Descrizione fisica	1 online resource (488 p.)
Collana	Handbook of nanotechnology
Altri autori (Persone)	LakhtakiaA <1957-> (Akhlesh)
Disciplina	620/.5
Soggetti	Nanotechnology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"A publication of ASME."
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Foreword / Brian J. Thompson -- Preface -- 1. Editorial / Akhlesh Lakhtakia -- 2. Sculptured thin films / Akhlesh Lakhtakia and Russell Messier -- 3. Photonic band gap structures / Joseph W. Haus -- 4. Quantum dots : phenomenology, photonic and electronic properties, modeling and technology / Fredrik Boxberg and Jukka Tulkki -- 5. Nanoelectromagnetics of low-dimensional structures / Sergey A. Maksimenko and Gregory Ya. Slepian -- 6. Atomistic simulation methods / Pierre A. Deymier, Vivek Kapila and Krishna Muralidharan -- 7. Nanomechanics / Vijay B. Shenoy -- 8. Nanoscale fluid mechanics / Petros Koumoutsakos, Urs Zimmerli, Thomas Werder and Jens H. Walther -- 9. Introduction to quantum information theory / Mary Beth Ruskai -- Index.
Sommario/riassunto	This volume is a researcher's reference handbook to the many aspects of nanometer structures. Although intended as a source for the serious researcher, novices will find a great deal of interesting content. The theories covered include nanostructured thin films, photonic bandgap structures, quantum dots, carbon nanotubes, atomistic techniques, nanomechanics, nanofluidics, and quantum information processing. Modeling and simulation research on these topics have now reached a stage of maturity to merit inclusion as well.