

1. Record Nr.	UNINA9910829041103321
Titolo	Nano-optics and near-field optical microscopy // Anatoly Zayats, David Richards, editors
Pubbl/distr/stampa	Boston ; , : Artech House, , ©2009 [Piscataway, New Jersey] : , : IEEE Xplore, , [2008]
ISBN	1-5231-1749-4 1-59693-284-8
Descrizione fisica	1 online resource (378 p.)
Collana	Artech House nanoscale science and engineering
Altri autori (Persone)	ZayatsA. V (Anatoly V.) RichardsDavid (David R.)
Disciplina	621.36
Soggetti	Near-field microscopy Nanotechnology Photonics Optics
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	Part I. Nano-Optics and Near-Field Microscopy -- Part II. Nanophotonics -- Part III. Plasmonics -- Part IV. Apertureless Near-Field Optical Microscopy. Part I. Nano-Optics and Near-Field Microscopy -- 1. Optics at the Nanometer Scale -- 2. Near-Field Photonic Forces -- 3. Nano-Optics with Single Quantum Systems -- 4. Near-Field Second-Harmonic Generation --
Sommario/riassunto	"This groundbreaking book focuses on near-field microscopy which has opened up optical processes at the nanoscale for direct inspection. Further, it explores the emerging area of nano-optics which promises to make possible optical microscopy with true nanometer resolution. This frontline resource helps you achieve high resolution optical imaging of biological species and functional materials. You also find guidance in the imaging of optical device operation and new nanophotonics functionalities"--EBL.