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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Optical Interaction of Light with Semiconductor Quantum Confined States at the Nanoscale -- Localized Photon Model Including Phonons' Degrees of Freedom -- Visible Laser Desorption/Ionization Mass Spectrometry Using Gold Nanostructure -- Near-Field Optical Photolithography -- Nano-Optical Manipulation Using Resonant Radiation Force.
Sommario/riassunto	This volume focuses on nano-optical probing, manipulation, and analysis. It begins with recent developments in near-field optical spectroscopy that clarify quantum states at the nanoscale, followed by a theory for a photon-electron-phonon interacting system at the nanoscale. Further topics include: visible laser desorption/ionization mass spectroscopy exhibiting near-field effects; a practical nanofabrication method with optical near fields applied to a SHG device; a theory and experimental achievements on optical transport of nanoparticles, selectively manipulated by resonant radiation force. Taken as a whole, this overview will be a valuable resource for engineers and scientists working in the field of nano-electro-optics.