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Titolo	Epioptics-9 [[electronic resource]] : proceedings of the 39th course of the International School of Solid State Physics : Erice, Italy, 20-26 July 2006 / / editor, Antonio Cricenti
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Collana	The science and culture series. Physics ; ; 29
Altri autori (Persone)	CricentiAntonio
Disciplina	537.6/22
Soggetti	Semiconductors - Surfaces - Optical properties Surfaces (Physics) - Optical properties Spectrum analysis
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"This special volume contains the proceedings of the 9th Epioptics Workshop, held in the Ettore Majorana Foundation and Centre for Scientific Culture, Erice, Sicily, from July 20 to 26, 2006. The Workshop was the 9th in the Epioptics series and the 39th of the International School of Solid State Physics."--P. v.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Longitudinal gauge theory of surface second harmonic generation / Bemardo S. Mendoza -- Parameter-free calculations of optical properties for systems with magnetic ordering or three-dimensional confinement / F. Bechstedt ... [et al.] -- Excited state properties calculations: from 0 to 3 dimensional systems / M. Marsili ... [et al.] -- Dielectric response and electron energy loss spectra of an oxidized Si (100)-(2 x 2) surface / L. Caramella, G. Onida, C. Hogan -- Dielectric function of the Si(113)3 x 2ADI surface from ab-initio methods / K. Gaal-Nagy, G. Onida -- Modeling of hydrogenated amorphous silicon (a-Si:H) thin films prepared by the saddle field glow discharge method for photovoltaic applications / A. V. Sachenko ... [et al.] -- High spatial resolution raman scattering for nano-structures / E. Speiser ... [et al.] -- Investigation of compositional disorder in GaAs[GaAs]-N[N]: H / R. Trotta ... [et al.] -- Vibrational properties and the miniband effect in InGaAs/InP superlattices / A. D. Rodrigues ... [et al.] --

Electronic and optical properties of ZnO between 3 and 32 eV / M. Rakel ... [et al.] -- Order and clusters in model membranes: detection and characterization by infrared scanning near-field microscopy / J. Generosi ... [et al.] -- Chemical and magnetic properties of NiO thin films epitaxially grown on Fe(OO1) / A. Brambilla -- Nonlinear magneto-optical probing of magnetic nanostructures: observation of NiO(111) growth on a Ni(001) single crystal / V. K. Valev, A. Kirilyuk, Th. Rasing -- Photoluminescence under magnetic field and hydrostatic pressure in GaAs[N] for probing the compositional dependence of carrier effective mass and gyromagnetic factor / G. Pettinari ... [et al.] -- Probing the dispersion of surface phonons by light scattering / G. Benedek, J. P. Toennies.

Sommario/riassunto

This special volume contains the proceedings of the 9th Epioptics Workshop, held at the Ettore Majorana Foundation and Centre for Scientific Culture, Erice, Sicily, from July 20 to 26, 2006. The workshop was the 9th in the Epioptics series and the 39th of the International School of Solid State Physics. The workshop was aimed at assessing the capabilities of state-of-the-art optical techniques in elucidating the fundamental electronic and structural properties of semiconductor and metal surfaces, interfaces, thin layers, and layer structures, and at assessing the usefulness of these techniques for optimization of high-quality multilayer samples through feedback control during materials growth and processing. Particular emphasis is dedicated to the theory of non-linear optics and to dynamical processes through the use of pump-probe techniques together with the search for new optical sources. Some new applications of scanning probe microscopy to material science and biological samples, dried and in vivo, with the use of different laser sources are also presented.

2. Record Nr.	UNINA9910895951903321
Titolo	Psychoneuro
Pubbl/distr/stampa	Stuttgart ; ; New York, : Thieme
Soggetti	Neuropsychiatry Psychiatry Neurology Psychotherapy Bipolar Disorder Depressive Disorder Periodical Periodicals.
Lingua di pubblicazione	Tedesco
Formato	Materiale a stampa
Livello bibliografico	Periodico