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Altri autori (Persone)	ScaseRichard
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Nota di contenuto	""Cover""; ""Title""; ""Copyright""; ""Original Title""; ""Original Copyright""; ""Contents""; ""Notes on Contributors""; ""Introduction""; ""1 The limits and divisions of industrial capitalism""; ""2 Corporatism and the New Right""; ""3 Employment relationships in economic recession""; ""4 From 'informal economy' to 'forms of work': cross-national patterns and trends""; ""5 Economic recession and gender divisions in Western capitalism""; ""6 Ethnic divisions and class in Western Europe""; ""7 Social change, division and control in the USSR""; ""8 Crisis and conflict in East European state socialism""""9 Development and socialism in post-Mao China""; ""Bibliography""; ""Index ""

2. Record Nr.	UNINA9910786396903321
Titolo	Defects-recognition, imaging and physics in semiconductors XIV : selected, peer reviewed papers from the 14th International Conference on Defects-Recognition, Imaging and Physics in Semiconductors, September 25-29, 2011. Miyazaki, Japan / / edited by Hiroshi Yamada-Kaneta and Akira Sakai
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ISBN	3-03813-856-8
Descrizione fisica	1 online resource (300 p.)
Collana	Materials science forum ; ; vol. 725
Altri autori (Persone)	Yamada-KanetaHiroshi SakaiAkira (Professor of engineering science)
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Nota di contenuto	Defects-Recognition, Imaging and Physics in Semiconductors XIV; Preface, Message and Committee; Table of Contents; Chapter 1: Defects in SiC; Imaging and Strain Analysis of Threading-Edge and Basal-Plane Dislocations in 4H-SiC Using X-Ray Three-Dimensional Topography; Threading Dislocations in 4H-SiC Observed by Double-Crystal X-Ray Topography; Characterization of Dislocation Structures in Hexagonal SiC by Transmission Electron Microscopy; Photoluminescence Imaging and Wavelength Analysis of Basal Plane Frank-Type Defects in 4H-SiC Epilayers Formation of Nanovoids in Femtosecond Laser-Irradiated Single Crystals of Silicon Carbide Electron Beam Induced Current Observation of Dislocations in 4H-SiC Introduced by Mechanical Polishing; Basal Plane Dislocations in 4H-SiC Epilayers with Different Dopings; Frank Partial Dislocation in 4H-SiC Epitaxial Layer by MSE Method; Separation of the Driving Force and Radiation-Enhanced Dislocation Glide in 4H-SiC; Study of Defects Generated by Standard- and Plasma-Implantation of Nitrogen Atoms in 4H-SiC Epitaxial Layers

Different Dissociation Behavior of [11-20] and Non-[11-20] Basal Plane Dislocations in 4H-Si under Electron Beam IrradiationDensity of Etch Pits on C-Face 4H-SiC Surface Produced by ClF₃ Gas; Defect Related Leakage Current Components in SiC Schottky Barrier Diode; Rapid Terahertz Imaging of Carrier Density of 3C-SiC; Chapter 2: Nitride Materials and Devices; Cathodoluminescence Study of Ammonothermal GaN Crystals; The Effect of the Indenter Orientation on the Formation of Dislocations and Cracks in (0001) GaN Bulk Crystals; Defect Propagation from 3C-SiC to III-Nitride Characterization of Dislocations in GaN Thin Film and GaN/AlN MultilayerMicroscopic Degradation Analysis of RF-Stressed AlGaN/GaN HEMTs; Chapter 3: III-V Compounds and Devices; Distribution of Misfit Dislocations at the InGaAs/GaAs(001) Interface Observed by Monochromatic X-Ray Topography; Effects of in Content on Anisotropies in Strain Relaxation Processes of InGaAs/GaAs (001) Measured by Real-Time Three-Dimensional Reciprocal Space Mapping; Nitrogen Related Deep Levels in GaAsN Films Investigated by a Temperature Dependence of Piezoelectric Photothermal Signal Intermixing in InP-Based Quantum Well Photonic Structures Induced by the Dry-Etching Process: A Spectral Imaging Cathodoluminescence StudyDefect Propagation in Broad-Area Diode Lasers; Kinetics of Defect Propagation during the Catastrophic Optical Damage (COD) in Broad-Area Diode Lasers; Nondestructive Measurement of Carrier Density in GaAs Using Relative Reflectivity of Two Terahertz Waves; Chapter 4: Photovoltaics: From Material to Module; Lock-In Thermography and Related Topics in Photovoltaic Research EBIC Study on Metal Contamination at Intra Grain Defects in Multicrystalline Silicon for Solar Cells

Sommario/riassunto

This volume documents the latest understanding of many topics of current interest in the science and technology of defects in semiconductors. The investigation of defects in semiconductors is a little different to that in other fields of materials science: in order to observe defects in semiconductors and elucidate their physical nature, a very wide range of tools and techniques has been introduced or created; thanks to the inventive ideas of the researchers. This work clearly reflects the lively state of defect investigation in semiconductors. Review from Book News Inc.: Drawn from papers del
