1. Record Nr. UNINA990004273340403321

Autore	Weinrich, Harald <1927- >
Titolo	Il polso del tempo / Harald Weinrich ; a cura di Federico Bertoni
Pubbl/distr/stampa	Milano : RCS Libri, 1999
ISBN	88-221-3267-X
Descrizione fisica	VIII, 277 p. ; 21 cm
Collana	Biblioteca di cultura ; 251
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Collocazione	801.95 WEI 1
Lingua di pubblicazione	Italiano
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Livello bibliografico	Monografia

2. Record Nr. UNINA9910829932703321

Titolo	Crystal growth technology [[electronic resource]] : semiconductors and dielectrics / / edited by Peter Capper, Peter Rudolph
Pubbl/distr/stampa	Weinheim, : Wiley-VCH, c2010
ISBN	3-527-63289-1 1-283-86975-6 3-527-63288-3 3-527-63287-5
Descrizione fisica	1 online resource (368 p.)
Altri autori (Persone)	CapperPeter RudolphPeter, Dozent Dr. sc. nat.
Disciplina	660.284298
Soggetti	Crystal growth Dielectrics Semiconductors - Materials
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	Crystal Growth Technology: Semiconductors and Dielectrics; Foreword; Contents; Preface; List of Contributors; Part I: Basic Concepts in Crystal Growth Technology; 1: Thermodynamic Modeling of Crystal-Growth Processes; 1.1 Introduction; 1.2 General Approach of Thermodynamic Modeling; 1.2.1 Basics; 1.2.1.1 State Variables for the Description of Equilibrium Conditions; 1.2.1.2 The ChemSage Software Package; 1.3 Crystal Growth in the System Si-C-O-Ar (Example 1); 1.3.1 Selection of Species; 1.3.2 Test Calculation, Check of Consistency; 1.3.3 Calculation of Gibbs Free Energy for Selected Reactions 1.3.4 Minimization of Gibbs Free Energy of Complex Systems1.3.5 The Thermodynamic-Technological Model of the Edge-Defined Film-Fed Growth of Silicon; 1.4 Crystal Growth of Carbon-Doped GaAs (Example 2); 1.4.1 Components and Species in the System; 1.4.2 Results; 1.4.3 Extended Model; 1.5 Summary and Conclusions; Acknowledgments; References; 2: Modeling of Vapor-Phase Growth of SiC and AlN Bulk Crystals; 2.1 Introduction; 2.2 Model Description; 2.2.1 Quasi-Thermodynamic Model of AlN and AlGaN HVPE; 2.2.2 Modeling of Gas-Phase Nucleation in SiC CVD and HTCVD; 2.3 Results and Discussions 2.3.1 GaN, AlN, and AlGaN HVPE2.3.2 SiC HTCVD; 2.4 Conclusions; References; 3: Advanced Technologies of Crystal Growth from Melt Using Vibrational Influence; 3.1 Introduction; 3.2 Axial Vibrational Control in Crystal Growth; 3.3 AVC-Assisted Czochralski Method; 3.4 AVC-Assisted Bridgman Method; 3.5 AVC-Assisted Floating Zone Method; 3.6 Conclusions; Acknowledgments; References; Part II: Semiconductors; 4: Numerical Analysis of Selected Processes in Directional Solidification of Silicon for Photovoltaics; 4.1 Introduction; 4.2 Directional Solidification Method; 4.3 Crystallization Process 4.4 Impurity Incorporation in Crystals4.5 Summary; Acknowledgment; References; 5: Characterization and Control of Defects in VCz GaAs Crystals Grown without B2O3 Encapsulant; 5.1 Introduction; 5.2 Retrospection; 5.3 Crystal Growth without B2O3 Encapsulant; 5.4 Inclusions, Precipitates and Dislocations; 5.5 Residual Impurities and Special Defect Studies; 5.6 Electrical and Optical Properties in SI GaAs; 5.7 Boron in SC GaAs; 5.8 Outlook on TMF-VCz; 5.9 Conclusions; Acknowledgments; References; 6: The Growth of Semiconductor Crystals (Ge, GaAs) by the Combined Heater Magnet Technology 6.1 Introduction6.2 Selected Fundamentals; 6.2.1 Convection-Driven Forces; 6.2.2 The Features of Traveling Magnetic Fields; 6.3 TMF Generation in Heater-Magnet Modules; 6.4 The HMM Design; 6.5 Numerical Modeling; 6.6 Dummy Measurements; 6.7 Growth Results under TMF; 6.7.1 LEC of GaAs; 6.7.2 VGF of Ge; 6.8 Conclusions and Outlook; Acknowledgment; References; 7: Manufacturing of Bulk AlN Substrates; 7.1 Introduction; 7.1.1 Substrates for Group III Nitride Devices; 7.1.2 Growth of Bulk Group III Nitride Crystals; 7.1.3 Sublimation Growth of AlN Crystals; 7.2 Modeling; 7.3 Experiment 7.3.1 Pregrowth Processing
Sommario/riassunto	Semiconductors and dielectrics are two essential materials found in cell phones and computers, for example, and both are manufactured by growing crystals.Edited by the organizers of the International Workshop on Crystal Growth Technology, this ready reference is essential reading for materials scientists, chemists, physicists, computer hardware manufacturers, engineers, and those working in the chemical and semiconductor industries. They have assembled an international team of experts who present the current challenges, latest methods and new

applications for producing these materials nece

3. Record Nr. UNINA9910253354103321

Autore	McGregor Russell
Titolo	Environment, Race, and Nationhood in Australia : Revisiting the Empty North / / by Russell McGregor
Pubbl/distr/stampa	New York : , : Palgrave Macmillan US : , : Imprint : Palgrave Macmillan, , 2016
ISBN	9781349915095 1349915092
Edizione	[1st ed. 2016.]
Descrizione fisica	1 online resource (268 p.)
Disciplina	333.70994
Soggetti	Environmental policy Political sociology Australasia History Environmental Policy Political Sociology Australian History
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Preface -- Chapter 1: Anxieties Aroused -- Chapter 2: Whiteness versus the Tropics -- Chapter 3: Acquiring a White Elephant -- Chapter 4: A Dog in the Manger -- Chapter 5: Colouring the Empty Spaces -- Chapter 6: Redeeming the Desolation -- Chapter 7: Downgrading the North -- Chapter 8: Vulnerabilities Laid Bare -- Chapter 9: Modest Projections, Massive Projects -- Chapter 10: The Divisive North -- Chapter 11: Whither the White North? -- Chapter 12: Emptiness Attenuated -- Epilogue, or Are We There Yet?.
Sommario/riassunto	This new study offers a timely and compelling account of why past generations of Australians have seen the north of the country as an empty land, and how those perceptions of Australia's tropical regions impact current policy and shape the self-image of the nation. It

considers the origins of these concerns - from fears of invasion and moral qualms about leaving resources lying idle, from apprehensions about white nationhood coming under international censure and misgivings about the natural attributes of the north - and elucidates Australians' changing appreciations of the natural environments of the north, their shifting attitudes toward race and their unsettled conceptions of Asia.