

1.	Record Nr.	UNISALENTO991001410539707536
	Autore	Correnti, Santi
	Titolo	Storia e folklore di Sicilia / Santi Correnti
	Pubbl/distr/stampa	Milano : Mursia, 1975
	Descrizione fisica	182 p. ; 22 cm
	Collana	Storia e documenti
	Disciplina	945.8
	Soggetti	Folklore - Sicilia Sicilia Storia
	Lingua di pubblicazione	Italiano
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
2.	Record Nr.	UNINA9910888064503321
	Autore	Spanuth Johannes
	Titolo	Britisch-Kassaria und seine deutschen Siedlungen. : Die Ansiedlung von Europäern in den Tropen. Vierter Teil. (Schriften des Vereins für Sozialpolitik 147-IV)
	Pubbl/distr/stampa	Berlin : , : Duncker & Humblot, , 2022 ©1914
	ISBN	9783428574544 3428574540
	Edizione	[1st ed.]
	Descrizione fisica	1 online resource (88 pages)
	Collana	Duncker & Humblot reprints
	Soggetti	Colonization Germans
	Lingua di pubblicazione	Tedesco
	Formato	Materiale a stampa
	Livello bibliografico	Monografia

Nota di contenuto

Inhaltsverzeichnis -- „Britisch-Kaffraria“ -- 1. Vorgeschichte Kaffrarias bis zur ersten Eroberung -- 2. Die Eroberung. Provinz „Queen Adelaide“ und „British Caffraria“ -- 3. Friedensarbeit seit der Eroberung -- 4. Die Englisch-Deutsche Legion -- 5. Die deutschen Emigranten 1858—59 -- 6. Spätere Einwanderung -- 7. Lebensverhältnisse der Deutschen -- 8. Schwarz und Weiß -- Abschließende Erwägungen -- Anhang: -- 1. Bedingungen für die Bildung einer militärischen Niederlassung 1856 -- 2. Stationen der militärischen Ansiedlung -- 3. Kontrakt und Auszug aus dem Regulativ für die Emigranten von 1858—59 -- 4. Bekanntmachung der Auswanderungsagenten über Bedingungen zur Gewährung freier Ausreise an Emigranten 1877

Sommario/riassunto

This book, written by Johannes Spanuth, explores the history and development of British Kaffraria and its German settlements during the 19th and early 20th centuries. It provides a detailed account of the region's colonial history, including the interactions between European settlers and indigenous African tribes, particularly the Xhosa people. The book discusses the challenges of settlement, the socio-political dynamics of German emigrants in the region, and the military and economic aspects of European colonization. Spanuth aims to offer insights into the complexities of colonial expansion and its impact on both the settlers and native populations. This historical narrative is intended for readers interested in colonial history, German emigration, and African studies.

3. Record Nr.	UNINA9911019273203321
Autore	Scheer Roland
Titolo	Chalcogenide photovoltaics : physics, technologies, and thin film devices // Roland Scheer and Hans-Werner Schock
Pubbl/distr/stampa	Weinheim, Germany, : Wiley-VCH Verlag GmbH & Co., 2011
ISBN	1-283-30246-2 9786613302465 3-527-63371-5 3-527-63370-7
Descrizione fisica	1 online resource (386 p.)
Altri autori (Persone)	SchockH. W (Hans-Werner)
Disciplina	621.31244
Soggetti	Photovoltaic cells - Materials Chalcogenides Compound semiconductors
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	Chalcogenide Photovoltaics; Contents; Preface; Symbols and Acronyms; 1 Introduction; 1.1 History of Cu(In,Ga)(S,Se) ₂ Solar Cells; 1.1.1 Milestones of Cu(In,Ga)(S,Se) ₂ Development; 1.2 History of CdTe Solar Cells; 1.2.1 Milestones of CdTe Development; 1.3 Prospects of Chalcogenide Photovoltaics; 2 Thin Film Heterostructures; 2.1 Energies and Potentials; 2.2 Charge Densities and Fluxes; 2.3 Energy Band Diagrams; 2.3.1 Rules and Conventions; 2.3.2 Absorber/Window; 2.3.3 Absorber/Buffer/Window; 2.3.4 Interface States; 2.3.5 Interface Dipoles; 2.3.6 Deep Bulk States; 2.3.7 Bandgap Gradients; 2.4 Diode Currents; 2.4.1 Superposition Principle and Shifting Approximation; 2.4.2 Regions of Recombination; 2.4.3 Radiative Recombination; 2.4.4 Auger Recombination; 2.4.5 Defect Related Recombination; 2.4.5.1 SCR Recombination; 2.4.5.2 QNR Recombination; 2.4.5.3 Back Surface Recombination; 2.4.5.4 Interface Recombination; 2.4.6 Parallel Processes; 2.4.6.1 SCR and QNR Recombination; 2.4.6.2 SCR and IF Recombination; 2.4.7 Barriers for Diode Current; 2.4.8 Bias Dependence; 2.4.9 Non-Homogeneities; 2.5 Light Generated Currents; 2.5.1 Generation Currents; 2.5.2 Generation

Function

2.5.3 Photo Current; 2.5.4 Collection Function; 2.5.4.1 Absorber Quasi Neutral Region; 2.5.4.2 QNR with Graded Bandgap; 2.5.4.3 QNR with Back Surface Field; 2.5.4.4 Absorber Space Charge Region; 2.5.4.5 Buffer Layer; 2.5.4.6 Simulating the Collection Function; 2.5.5 Quantum Efficiency and Charge Collection Efficiency; 2.5.6 Barriers for Photo Current; 2.5.7 Voltage Dependence of Photo Current; 2.5.7.1 Width of SCR; 2.5.7.2 Interface Recombination; 2.5.7.3 Photo Current Barriers; 2.6 Device Analysis and Parameters; 2.6.1 Equivalent Circuits; 2.6.1.1 DC Equivalent Circuit; 2.6.1.2 AC Equivalent Circuit; 2.6.1.3 Module Equivalent Circuit; 2.6.2 Current-Voltage Analysis; 2.6.2.1 External Collection Efficiency; 2.6.2.2 Diode Parameters; 2.6.2.3 Open Circuit Voltage; 2.6.2.4 Fill Factor; 2.6.3 Capacitance-Voltage Analysis; 2.6.4 Admittance Spectroscopy; 3 Design Rules for Heterostructure Solar Cells and Modules; 3.1 Absorber Bandgap; 3.2 Band Alignment; 3.3 Emitter Doping and Doping Ratio; 3.4 Fermi Level Pinning; 3.5 Absorber Doping; 3.6 Absorber Thickness; 3.7 Grain Boundaries; 3.8 Back Contact Barrier; 3.9 Buffer Thickness; 3.10 Front Surface Gradient; 3.11 Back Surface Gradients; 3.12 Monolithic Series Interconnection; 4 Thin Film Material Properties; 4.1 All-BVI Absorbers; 4.1.1 Physico-Chemical Properties; 4.1.2 Lattice Dynamics; 4.1.3 Electronic Properties; 4.1.3.1 Practical Doping Limits; 4.1.3.2 Defect Spectroscopy; 4.1.3.3 Minority Carrier Lifetime; 4.1.4 Optical Properties; 4.1.4.1 CdTe; 4.1.4.2 Multinary Phases; 4.1.5 Surface Properties; 4.1.6 Properties of Grain Boundaries; 4.2 Al-BIII-CVI 2 Absorbers; 4.2.1 Physico-Chemical Properties; 4.2.1.1 Ternary Phase Diagrams; 4.2.1.2 Multinary Phases; 4.2.1.3 Diffusion Coefficients; 4.2.2 Lattice Dynamics

Sommario/riassunto

This first comprehensive description of the most important material properties and device aspects closes the gap between general books on solar cells and journal articles on chalcogenide-based photovoltaics. Written by two very renowned authors with years of practical experience in the field, the book covers II-VI and I-III-VI₂ materials as well as energy conversion at heterojunctions. It also discusses the latest semiconductor heterojunction models and presents modern analysis concepts. Thin film technology is explained with an emphasis on current and future techniques for mass product
