

Characterization Of Bi Silicon Solar Cells And

This book focuses on novel bismuth-containing alloys and nanostructures, covering a wide range of materials from semiconductors, topological insulators, silica optical fibers and to multiferroic materials. It provides a timely overview of bismuth alloys and nanostructures, from material synthesis and physical properties to device applications and also includes the latest research findings. Bismuth is considered to be a sustainable and environmentally friendly element, and has received increasing attention in a variety of innovative research areas in recent years. The book is intended as a reference resource and textbook for graduate students and researchers working in these fields.

May 13th - 15th 1985, Strasbourg (France)

A Bibliography

Solar Energy

Japanese Science and Technology

Bismuth-Containing Alloys and Nanostructures

Basics and Use for Evaluating Electronic Devices and Materials

February issue includes Appendix entitled Directory of United States Government periodicals and subscription publications; September issue includes List of depository libraries; June and December issues include semiannual index

Solar Cell Materials

Solar Cell Array Design Handbook

Crystal Growth Bibliography: Indexes

Proceedings of the International Conference Held in Glasgow, United Kingdom, 1-5 May 2000

Physics Briefs

Semiconductor Characterization Techniques

This book presents a comparison of solar cell materials, including both new materials based on organics, nanostructures and novel inorganics and developments in more traditional photovoltaic materials. It surveys the materials and materials trends in the field including third generation solar cells (multiple energy level cells, thermal approaches and the modification of the solar spectrum) with an eye firmly on low costs, energy efficiency and the use of abundant non-toxic materials.

Thin Film Solar Cells

The sciences and engineering. B

Monthly Catalogue, United States Public Documents

Chemical Abstracts

Physikalische Berichte

JJAP

Thin film photovoltaic-based solar modules produce power at a low cost per watt. They are ideal candidates for large-scale solar farms as well as building-integrated photovoltaic applications. They can generate consistent power, not only at elevated temperatures but also on cloudy, overcast days and at low sun angles. Thin film photovoltaics are second-generation solar cells produced by depositing one or more thin layers, or thin films, of photosensitive material on a suitable substrate such as glass, polymer, or metal. Thin film solar cells are based on various materials such as cadmium telluride (CdTe), copper indium gallium diselenide (CIGS), and amorphous thin film silicon (a-Si, TF-Si) are commercially used in several conventional and advanced technologies.

Special Publication on Solar Cells

A Continuing Bibliography with Indexes

Government Reports Annual Index

Solar Energy Update

The Conference Record of the Eighteenth IEEE Photovoltaic Specialists Conference--1985

A Bibliography with Indexes

Proceedings of the International Conference held at Seville, Spain, October 27-31, 1986.

Monthly Catalog of United States Government Publications

Energy. A Continuing Bibliography with Indexes, Issue 36, January 1983

Energy

Developing Technologies

South African Journal of Science

Basics and Use for Functional Diagnostics of Electronic Components

This is the first book on lock-in thermography, an analytical method applied to the diagnosis of microelectronic devices. This useful introduction and guide reviews various experimental approaches to lock-in thermography, with special emphasis on the lock-in IR thermography developed by the authors themselves.

Government Reports Announcements & Index

Proceedings of the Topical Conference on Characterization Techniques for Semiconductor Materials and Devices

Thin Films Photovoltaics

Riviera Hotel, Las Vegas, Nevada, October 21-25, 1985

Ceramic Abstracts

Electrical & Electronics Abstracts

This edited volume Solar Cells is a collection of reviewed and relevant research chapters offering a comprehensive overview of recent developments in the field of renewable energy. The book comprises single chapters authored by various researchers and is edited by a group of experts active in the physical sciences, engineering, and technology research areas. All chapters are complete in themselves but united under a common research study topic. This publication aims at providing a thorough overview of the latest research efforts by international authors on physical sciences, engineering, and technology, and opens new possible research paths for further novel developments.

Japanese Journal of Applied Physics

Scientific and Technical Aerospace Reports

Dissertation Abstracts International

Fossil Energy Update

Letters

IEE Journal on Computers and Digital Techniques

Thin-film solar cells are either emerging or about to emerge from the research laboratory to become commercially available devices finding practical various applications. Currently no textbook outlining the basic theoretical background, methods of fabrication and applications currently exist. Thus, this book aims to present for the first time an in-depth overview of this topic covering a broad range of thin-film solar cell technologies including both organic and inorganic materials, presented in a systematic fashion, by the scientific leaders in the respective domains. It covers a broad range of related topics, from physical principles to design, fabrication, characterization, and applications of novel photovoltaic devices.

Energy: a Continuing Bibliography with Indexes

Solar Cells

Nuclear Science Abstracts

Energy Beam-solid Interactions and Transient Thermal Processing, 1985, IV

Applied Science & Technology Index

Seventh E.C. Photovoltaic Solar Energy Conference