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Altri autori (Persone)	ArcherMary D HillR <1937-> (Robert)
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	CONTENTS ; About the authors ; Preface ; 1 The past and present ; 1.1 Milestones in photovoltaic technology ; 1.2 Evolution of the PV market ; 1.3 Overview of photo voltaic cell operation ; 1.4 Other junction types ; 1.5 Sources of further information 2 Device physics of silicon solar cells 2.1 Introduction ; 2.2 Semiconductor device equations ; 2.3 The p-n junction model of Shockley ; 2.4 Real diode characteristics ; 2.5 Numerical solar cell modelling ; 2.6 Concluding remarks ; 3 Principles of cell design ; 3.1 Introduction 3.2 Main cell types 3.3 Optical design of cells ; 3.4 Surface recombination losses and their reduction ; 3.5 Bulk recombination losses and their reduction ; 3.6 Design and fabrication of the metal contacts ; 3.7 Conclusions ; 4 Crystalline silicon solar cells ; 4.1 Overview

4.2 Silicon cell development	4.3 Substrate
production	; 4.4 Cell processing
4.5 Cell costs	; 4.6 Opportunities for improvement
; 4.7 Silicon-supported thin films	; 4.8
Summary	; 5 Amorphous silicon solar cells
; 5.1 Introduction	; 5.2 Background
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Growth and microstructure	; 5.5 Solar cells
; 5.6 Solar cell structures	; 5.7 PV modules
; 5.8 Manufacturing costs	; 5.9 Long-term reliability
; 5.10 Environmental issues	; 5.11 Challenges for
the future	; 6 Cadmium telluride solar cells
6.1 Introduction	

Sommario/riassunto

Photovoltaic cells provide clean, reversible electrical power from the sun. Made from semiconductors, they are durable, silent in operation and free of polluting emissions. In this book, experts from all sectors of the PV community - materials scientists, physicists, production engineers, economists and environmentalists - give their critical appraisals of where the technology is now and what its prospects are.

Sample Chapter(s)
 Chapter 2.1: Introduction (306 KB)
 Chapter 2.2: Semiconductor device equations (121 KB)
 Chapter 2.3: The p-n junction model of Shockley (1,017 KB)

2. Record Nr.	UNINA9910132609103321
Autore	Breton Yvan
Titolo	Liens entre peche industrielle et peche artisanale : changements et consequences pour la recherche // Yvan Breton
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ISBN	1-4123-6387-X
Descrizione fisica	1 online resource (28 pages)
Collana	Classiques des sciences sociales ; ; 3313
Disciplina	155.9
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Nota di contenuto	Resume / Abstract -- Introduction -- L'evolution des liens entre peche industrielle et peche artisanale -- L'interdisciplinarite et le contexte transitionnel des pecheries -- La valorisation de la demarche anthropologique -- References -- Figure 1. Developpement integre et interdisciplinarite. -- Figure 2. Developpement des pecheries et scenarios de recherche.
Sommario/riassunto	<p>Cet article discute des enjeux analytiques et methodologiques de la reinsertion de la peche artisanale dans les priorites des agences de developpement international. Il souligne comment le recours accentue a l'interdisciplinarite, justifie par une plus grande mixite des proces de travail et des contextes sociaux et culturels plus diversifies dans cette activite, demeure enchasse dans des biais ideologiques et des pratiques institutionnelles decoulant de l'asymetrie entre sciences bio-econorniques et sciences sociales. Il suggere en conclusion des questions de recherche dont la resolution est susceptible d'accroitre la contribution de l'anthropologie maritime sur la scene du developpement halieutique.</p> <p>This article aims at pinpointing the analytical and methodological issues linked to the reinsertion of artisanal fishing among the priorities of international development agencies. It shows how a seemingly greater interest in interdisciplinarity, justified by a stronger diversity in the labor processes and of social-cultural contexts in this activity, remains embedded into ideological bias and institutional practices linked to the existing asymetry prevailing between bio-economic and</p>

social sciences. It suggests, in conclusion, some research avenues the resolution of which aiming can increase the contribution of maritime anthropology in fisheries development.
