

1.	Record Nr.	UNIORUON00454842
	Autore	HOFMANN, Modest
	Titolo	Gogol : Sa vie et son oeuvre / Modeste et Rostislav Hofmann
	Pubbl/distr/stampa	Paris, : Editions Correa, 1946
	Descrizione fisica	279 p. ; 19 cm.
	Altri autori (Persone)	HOFMANN, Rotislav
	Disciplina	891.703
	Soggetti	GOGOL' NIKOLAJ VASIL'EVI
	Lingua di pubblicazione	Francese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
2.	Record Nr.	UNINA9910337591103321
	Autore	Ojo A. A
	Titolo	Next Generation Multilayer Graded Bandgap Solar Cells / / by A. A. Ojo, W. M. Cranton, I. M. Dharmadasa
	Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2019
	ISBN	3-319-96667-7
	Edizione	[1st ed. 2019.]
	Descrizione fisica	1 online resource (XIII, 254 p. 144 illus., 110 illus. in color.)
	Disciplina	621.042
	Soggetti	Energy harvesting Materials—Surfaces Thin films Electronic circuits Energy Harvesting Surfaces and Interfaces, Thin Films Electronic Circuits and Devices
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia

Nota di contenuto

Introduction to Solar Energy and Photovoltaics -- Photovoltaic solar cells – Materials, Concepts and Devices -- Techniques utilized in materials growth, materials and device characterization -- CdS deposition and characterization -- CdTe deposition and characterization -- Solar cell fabrication and characterization -- Thought on the present and future of photovoltaic and its applications.

Sommario/riassunto

This book will guide Photovoltaics researchers in a new way of thinking about harvesting light energy from all wavelengths of the solar spectrum. It closes the gap between general solar cells books and photovoltaics journal articles, by focusing on the latest developments in our understanding of solid-state device physics. The material presented is experimental and based on II-VI thin-film materials, mainly CdTe-based solar cells. The authors describe the use of new device design, based on multilayer graded bandgap configuration, using CdTe-based solar cells. The authors also explain how the photo-generated currents can be enhanced using multi-step charge carrier production. The possibility of fabricating these devices using low-cost and scalable electroplating is demonstrated. The value of electroplating for large area electronic devices such as PV solar panels, display devices and nano-technology devices are also demonstrated. By enabling new understanding of the engineering of electroplated semiconductor materials and providing an overview of the semiconductor physics and technology, this practical book is ideal to guide researchers, engineers, and manufacturers on future solar cell device designs and fabrications.

3. Record Nr.	UNICAMPANIAVAN00229376
Autore	Kamberaj, Hiqmet
Titolo	Molecular Dynamics Simulations in Statistical Physics: Theory and Applications / Hiqmet Kamberaj
Pubbl/distr/stampa	Cham, : Springer, 2020
Titolo uniforme	Molecular Dynamics Simulations in Statistical Physics: Theory and Applications
Descrizione fisica	xiv, 463 p. : ill. ; 24 cm
Soggetti	82-XX - Statistical mechanics, structure of matter [MSC 2020] 82M37 - Computational molecular dynamics in statistical mechanics [MSC 2020]
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia