

1. Record Nr.	UNINA9910464874503321
Titolo	HgCDTe system : reference guide // D. J. Fisher, editor
Pubbl/distr/stampa	Stafa-Zuerich, Switzerland : , : TTP, Trans Tech Publications, , [2007] ©2007
ISBN	3-03813-148-2
Descrizione fisica	1 online resource (201 p.)
Collana	Defects and diffusion forum, , 1012-0386 ; ; v. 267
Altri autori (Persone)	FisherD. J
Disciplina	669.95
Soggetti	Physical metallurgy Diffusion Solids - Defects Electronic books.
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 indexes.
Nota di contenuto	HgCdTe System - Reference Guide; Table of Contents; Abstracts
Sommario/riassunto	This system, consisting of compositions lying between the end-members, CdTe and HgTe, constitutes perhaps the third most important semiconductor after Si and GaAs. Its importance stems from the ability to tailor the band-gap precisely between that (1.5eV) of the semiconductor, CdTe, and the zero value of the semi-metal, HgTe; giving, in particular, one of the most versatile infra-red detectors known. The intermediate compositions also benefit from the usual mechanisms which improve the mechanical properties of alloys. As an aid to those working on this system, this volume summarizes known diff