

1. Record Nr.	UNINA9910337876003321
Autore	Böer Karl W
Titolo	Semiconductor Physics [[electronic resource] /] / by Karl W. Böer, Udo W. Pohl
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020
ISBN	3-319-06540-8
Descrizione fisica	1 online resource (1200 p. 1000 illus., 400 illus. in color.)
Disciplina	537.622
Soggetti	Semiconductors Optical materials Electronics - Materials Electrical engineering Physics Solid state physics Lasers Photonics Optical and Electronic Materials Electrical Engineering Applied and Technical Physics Solid State Physics Optics, Lasers, Photonics, Optical Devices
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Part I Bonding and Structure -- Part II Phonons -- Part III Energy Bands -- Part IV Photons -- Part V Defects -- Part VI Transport -- Part VII Generation-Recombination -- Part VIII Kinetics.
Sommario/riassunto	This handbook gives a complete survey of the important topics and results in semiconductor physics. It addresses every fundamental principle and most research topics and areas of application in the field of semiconductor physics. Comprehensive information is provided on crystalline bulk and low-dimensional as well as amorphous semiconductors, including optical, transport, and dynamic properties.

