1. Record Nr. UNINA9910288454403321

Titolo	A companion to early modern hispanic theater / edited by Hilaire Kallendorf
Pubbl/distr/stampa	Leiden : Brill, 2014
ISBN	978 90 04 23456 7
Descrizione fisica	XV, 388 p. : ill. ; 24 cm
Collana	The renaissance society of America , Texts and studies series ; 2
Disciplina	862.309
Locazione	FLFBC
Collocazione	862.309 KAL 1
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr. UNISA996218768703316

Titolo	Strategies in trauma and limb reconstruction
Pubbl/distr/stampa	Milan, : Springer Milan, 2006-2018 New Delhi, India : , : Jaypee Brothers Medical Publishers
ISSN	1828-8928
Descrizione fisica	1 online resource
Disciplina	616.7
Soggetti	Extremities (Anatomy) - Surgery Extremities (Anatomy) - Innervation Extremities (Anatomy) - Wounds and injuries Orthopedics Wounds and injuries - Rehabilitation Orthopedic surgery Wounds and injuries Surgery, Plastic Extremities - surgery Wounds and Injuries Orthopedic Procedures Plastic Surgery Procedures

	Orthopédie Chirurgie orthopédique Membres - Chirurgie Membres - Innervation Membres - Lésions et blessures Lésions et blessures - Réadaptation Lésions et blessures Chirurgie plastique Periodical Periodicals.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Periodico
Note generali	Refereed/Peer-reviewed

3.	Record Nr.	UNINA9910616370403321
	Autore	Evstigneev Mykhaylo
	Titolo	Introduction to Semiconductor Physics and Devices / / by Mykhaylo Evstigneev
	Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2022
	ISBN	9783031084584 9783031084577
	Edizione	[1st ed. 2022.]
	Descrizione fisica	1 online resource (325 pages)
	Disciplina	621.38152 537.622
	Soggetti	Solid state physics Semiconductors Electronics Photonics Optical engineering Optoelectronic devices Electronic Devices Electronics and Microelectronics, Instrumentation Photonics and Optical Engineering Optoelectronic Devices

Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Chapter 1. Principles of Quantum Mechanics -- Chapter 2. Crystal Structure of Solids -- Chapter 3. Equilibrium Statistical Mechanics -- Chapter 4. Band Theory of Solids -- Chapter 5. Semiconductors in Equilibrium -- Chapter 6. Carrier concentration and electric potential -- Chapter 7. Generation-Recombination Processes -- Chapter 8. Carrier Transport -- Chapter 9. Metal-Semiconductor Contact -- Chapter 10. Metal-Oxide-Semiconductor Field Effect Transistor (MOSFET) -- Chapter 11. PN Junction Diode -- Chapter 12. Optoelectronic Devices.
Sommario/riassunto	This classroom-tested textbook provides a self-contained one-semester course in semiconductor physics and devices that is ideal preparation for students to enter burgeoning quantum industries. Unlike other textbooks on semiconductor device physics, it provides a brief but comprehensive introduction to quantum physics and statistical physics, with derivations and explanations of the key facts that are suitable for second-year undergraduates, rather than simply postulating the main results. The book is structured into three parts, each of which can be covered in around ten lectures. The first part covers fundamental background material such as quantum and statistical physics, and elements of crystallography and band theory of solids. Since this provides a vital foundation for the rest of the text, concepts are explained and derived in more detail than in comparable texts. For example, the concepts of measurement and collapse of the wave function, which are typically omitted, are presented in this text in language accessible to second-year students. The second part covers semiconductors in and out of equilibrium, and gives details which are not commonly presented, such as a derivation of the density of states using dimensional analysis, and calculation of the concentration of ionized impurities from the grand canonical distribution. Special attention is paid to the solution of Poisson’s equation, a topic that is feared by many undergraduates but is brought back down to earth by techniques and analogies from first-year physics. Finally, in the third part, the material in parts 2 and 3 is applied to describe simple semiconductor devices, including the MOSFET, the Schottky and PN-junction diodes, and optoelectronic devices. With a wide range of exercises, this textbook is readily adoptable for an undergraduate course on semiconductor physics devices, and with its emphasis on consolidating and applying knowledge of fundamental physics, it will leave students in engineering and the physical sciences well prepared for a future where quantum industries proliferate.