

1. Record Nr.	UNINA9910554227103321
Autore	Knoch Joachim
Titolo	Nanoelectronics : device physics, fabrication, simulation / / Joachim Knoch
Pubbl/distr/stampa	Berlin, Germany ; ; Boston, Massachusetts : , : De Gruyter, , [2020] ©2020
ISBN	3-11-057550-7
Descrizione fisica	1 online resource (XVI, 390 p.)
Collana	De Gruyter Textbook
Classificazione	UK 8300
Disciplina	621.381
Soggetti	Nanoelectronics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Frontmatter -- Preface -- How to Use the Book -- Contents -- 1 Introduction -- 2 Solid-State Physics Foundation -- 3 Semiconductor Fabrication -- 4 Basic Ingredients for Nanoelectronics Devices -- 5 Metal–Oxide–Semiconductor Field-Effect Transistors -- 6 Device Simulation -- 7 Metal–Source–Drain Field-Effect Transistors -- 8 Carbon Nanotube Field-Effect Transistors -- 9 Steep Slope Transistors -- 10 Device Based on Two-Dimensional Materials -- A Color Map for 2D Materials -- Bibliography -- Index
Sommario/riassunto	The author presents all aspects, in theory and experiments, of nanoelectronic devices starting from field-effect transistors and leading to alternative device concepts such as Schottky-barrier MOSFETs and band-to-band tunnel FETs. Latest advances in Nanoelectronics, as ultralow power nanoscale devices and the realization of silicon MOS spin qubits, are discussed and finally a brief introduction into device simulations is given as well.

2. Record Nr.	UNICAMPANIAVAN0131596
Autore	Bardaro, Luca
Titolo	La filiazione non riconoscibile tra istanze di tutela e valori giuridici / Luca Bardaro
Pubbl/distr/stampa	Napoli, : Edizioni scientifiche italiane, 2015
ISBN	978-88-495-3020-9
Descrizione fisica	174 p. ; 24 cm

Lingua di pubblicazione Italiano

Formato Materiale a stampa

Livello bibliografico Monografia