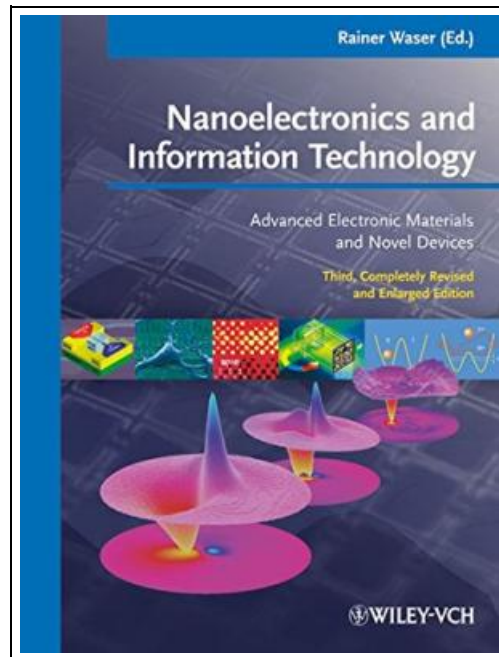


Nanoelectronics and Information Technology



Filesize: 2.88 MB

Reviews

This pdf is indeed gripping and exciting. it was writtrn quite completely and valuable. Once you begin to read the book, it is extremely difficult to leave it before concluding.
(Kurtis Parisian)

NANOELECTRONICS AND INFORMATION TECHNOLOGY

[DOWNLOAD](#)

Condition: New. Publisher/Verlag: Wiley-VCH | Advanced Electronic Materials and Novel Devices | This outstanding textbook provides an introduction to electronic materials and device concepts for the major areas of current and future information technology. On about 1,000 pages, it collects the fundamental concepts and key technologies related to advanced electronic materials and devices. The obvious strength of the book is its encyclopedic character, providing adequate background material instead of just reviewing current trends. It focuses on the underlying principles which are illustrated by contemporary examples. The third edition now holds 47 chapters grouped into eight sections. The first two sections are devoted to principles, materials processing and characterization methods. Following sections hold contributions to relevant materials and various devices, computational concepts, storage systems, data transmission, imaging systems and displays. Each subject area is opened by a tutorial introduction, written by the editor and giving a rich list of references. The following chapters provide a concise yet in-depth description in a given topic. Primarily aimed at graduate students of physics, electrical engineering and information technology as well as material science, this book is equally of interest to professionals looking for a broader overview. Experts might appreciate the book for having quick access to principles as well as a source for getting insight into related fields. | Preface General Introduction I FUNDAMENTALS 1 Dielectric, Ferroelectric, and Optical Properties 2 Electronic Properties and Quantum Effects 3 Mesoscopic Electron Transport 4 Spintransfer Phenomena in Layered Structures 5 Organic Molecules - Structures and Electronic Properties 6 Neurons - The Molecular Basis of Their Electrical Excitability 7 Logic Gates and Digital Circuits II TECHNOLOGY AND ANALYSIS 8 Advanced Optical and Particle Beam Lithography 9 Nanoimprint Lithography 10 Structural and Chemical Characterization on the Nanoscale 11 Scanning Probe Analysis 12 Atomic and Molecular Manipulation 13 Bottom-Up Approaches by Self-Organization Techniques III LOGIC DEVICES 14 Metal-Oxide-Semiconductor Field-Effect Transistors: Novel Materials and Alternative Concepts 15 Nanoelectromechanical Logic Gates 16 Single-Electron Devices...

[Read Nanoelectronics and Information Technology Online](#)[Download PDF Nanoelectronics and Information Technology](#)

Other PDFs



Scala in Depth

Manning Publications. Paperback. Book Condition: New. Paperback. 304 pages. Dimensions: 9.2in. x 7.3in. x 0.8in. Summary Scala in Depth is a unique new book designed to help you integrate Scala effectively into your development process. By...

[Save ePub »](#)



Growing Up: From Baby to Adult High Beginning Book with Online Access

Cambridge University Press, 2014. UNK. Book Condition: New. New Book. Shipped from US within 10 to 14 business days. Established seller since 2000.

[Save ePub »](#)



50 Fill-In Math Word Problems: Algebra: Engaging Story Problems for Students to Read, Fill-In, Solve, and Sharpen Their Math Skills

Scholastic Teaching Resources. Paperback / softback. Book Condition: new. BRAND NEW, 50 Fill-In Math Word Problems: Algebra: Engaging Story Problems for Students to Read, Fill-In, Solve, and Sharpen Their Math Skills, Bob Krech, Joan Novelli,...

[Save ePub »](#)



Young and Amazing: Teens at the Top High Beginning Book with Online Access (Mixed media product)

CAMBRIDGE UNIVERSITY PRESS, United Kingdom, 2014. Mixed media product. Book Condition: New. 204 x 140 mm. Language: English . Brand New Book. Cambridge Discovery Education Interactive Readers are the next generation of graded readers -...

[Save ePub »](#)



Future s Fight - Episode 1: The Angels of Abaddon: (What Some Call Terrorists. Others Call Hope)

Createspace Independent Publishing Platform, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****. Do you enjoy dystopian, post apocalyptic stories - like...

[Save ePub »](#)