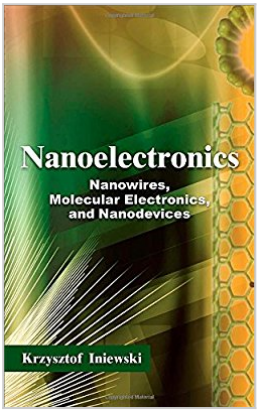

Nanoelectronics: Nanowires, Molecular Electronics, and Nanodevices

By Krzysztof Iniewski

Download now

Read Online

Nanoelectronics: Nanowires, Molecular Electronics, and Nanodevices By Krzysztof Iniewski

The latest advances in nanoelectronics

This definitive volume addresses the state of the art in nanoelectronics, covering nanowires, molecular electronics, and nanodevices. Written by global experts in the field, *Nanoelectronics* discusses cutting-edge techniques and emerging materials, such as carbon nanotubes and quantum dots. This pioneering work offers a comprehensive survey of nanofabrication options for use in next-generation technologies.

Nanoelectronics covers:

- Electrical properties of metallic nanowires
- Electromigration defect nucleation in damascene copper interconnect lines
- Carbon nanotube interconnects in CMOS integrated circuits
- Printed organic electronics
- One-dimensional nanostructure-enabled chemical sensing
- Cross-section fabrication and analysis of nanoscale device structures and complex organic electronics
- Microfabrication and applications of nanoparticle-doped conductive polymers
- Single-electron conductivity in organic nanostructures for transistors and memories
- Synthesis of molecular bioelectronic nanostructures
- Nanostructured electrode materials for advanced Li-ion batteries
- Quantum-dot devices based on carbon nanotubes
- Carbon nanotubes as electromechanical actuators
- Low-level nanoscale electrical measurements and ESD
- Nanopackaging

Download Nanoelectronics: Nanowires, Molecular Electronics, ...pdf

Read Online Nanoelectronics: Nanowires, Molecular Electronic ...pdf

Nanoelectronics: Nanowires, Molecular Electronics, and Nanodevices

By Krzysztof Iniewski

Nanoelectronics: Nanowires, Molecular Electronics, and Nanodevices By Krzysztof Iniewski

The latest advances in nanoelectronics

This definitive volume addresses the state of the art in nanoelectronics, covering nanowires, molecular electronics, and nanodevices. Written by global experts in the field, *Nanoelectronics* discusses cutting-edge techniques and emerging materials, such as carbon nanotubes and quantum dots. This pioneering work offers a comprehensive survey of nanofabrication options for use in next-generation technologies.

Nanoelectronics covers:

- Electrical properties of metallic nanowires
- Electromigration defect nucleation in damascene copper interconnect lines
- Carbon nanotube interconnects in CMOS integrated circuits
- Printed organic electronics
- One-dimensional nanostructure-enabled chemical sensing
- Cross-section fabrication and analysis of nanoscale device structures and complex organic electronics
- Microfabrication and applications of nanoparticle-doped conductive polymers
- Single-electron conductivity in organic nanostructures for transistors and memories
- Synthesis of molecular bioelectronic nanostructures
- Nanostructured electrode materials for advanced Li-ion batteries
- Quantum-dot devices based on carbon nanotubes
- Carbon nanotubes as electromechanical actuators
- Low-level nanoscale electrical measurements and ESD
- Nanopackaging

Nanoelectronics: Nanowires, Molecular Electronics, and Nanodevices By Krzysztof Iniewski Bibliography

- Sales Rank: #2327465 in Books
- Published on: 2010-09-08
- Original language: English
- Number of items: 1
- Dimensions: 9.40" h x 1.29" w x 6.20" l, 1.98 pounds
- Binding: Hardcover
- 560 pages

Download Nanoelectronics: Nanowires, Molecular Electronics, ...pdf

Read Online Nanoelectronics: Nanowires, Molecular Electronic ...pdf

Download and Read Free Online Nanoelectronics: Nanowires, Molecular Electronics, and Nanodevices By Krzysztof Iniewski

Editorial Review

About the Author

Krzysztof Iniewski, Ph.D., is managing R&D developments at Redlen Technologies Inc. He is also an Executive Director of CMOS Emerging Technologies Inc. Dr. Iniewski has published more than 100 research papers in international journals, holds 18 international patents, and has coauthored or edited several books on VLSI circuits.

Users Review

From reader reviews:

Patricia Rodrigue:

What do you regarding book? It is not important to you? Or just adding material when you really need something to explain what the ones you have problem? How about your free time? Or are you busy individual? If you don't have spare time to perform others business, it is give you a sense of feeling bored faster. And you have extra time? What did you do? Every person has many questions above. The doctor has to answer that question simply because just their can do that. It said that about reserve. Book is familiar in each person. Yes, it is suitable. Because start from on guardería until university need that Nanoelectronics: Nanowires, Molecular Electronics, and Nanodevices to read.

Arthur Furr:

As people who live in the actual modest era should be update about what going on or facts even knowledge to make them keep up with the era which can be always change and move ahead. Some of you maybe will certainly update themselves by examining books. It is a good choice to suit your needs but the problems coming to you actually is you don't know which one you should start with. This Nanoelectronics: Nanowires, Molecular Electronics, and Nanodevices is our recommendation so you keep up with the world. Why, since this book serves what you want and wish in this era.

Annmarie Windham:

A lot of people always spent their very own free time to vacation or go to the outside with them family or their friend. Were you aware? Many a lot of people spent they free time just watching TV, or maybe playing video games all day long. If you need to try to find a new activity that's look different you can read any book. It is really fun for yourself. If you enjoy the book that you just read you can spent all day long to reading a publication. The book Nanoelectronics: Nanowires, Molecular Electronics, and Nanodevices it doesn't matter what good to read. There are a lot of individuals who recommended this book. These people were enjoying reading this book. If you did not have enough space to bring this book you can buy the particular e-book. You can m0ore very easily to read this book from a smart phone. The price is not too costly but this book offers high quality.

Carl Fox:

The book untitled Nanoelectronics: Nanowires, Molecular Electronics, and Nanodevices contain a lot of information on it. The writer explains your girlfriend idea with easy way. The language is very simple to implement all the people, so do definitely not worry, you can easy to read this. The book was written by famous author. The author will bring you in the new period of literary works. You can actually read this book because you can read on your smart phone, or gadget, so you can read the book within anywhere and anytime. If you want to buy the e-book, you can available their official web-site and also order it. Have a nice study.

Download and Read Online Nanoelectronics: Nanowires, Molecular Electronics, and Nanodevices By Krzysztof Iniewski #T3ZI8W2KBCG

Read Nanoelectronics: Nanowires, Molecular Electronics, and Nanodevices By Krzysztof Iniewski for online ebook

Nanoelectronics: Nanowires, Molecular Electronics, and Nanodevices By Krzysztof Iniewski Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Nanoelectronics: Nanowires, Molecular Electronics, and Nanodevices By Krzysztof Iniewski books to read online.

Online Nanoelectronics: Nanowires, Molecular Electronics, and Nanodevices By Krzysztof Iniewski ebook PDF download

Nanoelectronics: Nanowires, Molecular Electronics, and Nanodevices By Krzysztof Iniewski Doc

Nanoelectronics: Nanowires, Molecular Electronics, and Nanodevices By Krzysztof Iniewski Mobipocket

Nanoelectronics: Nanowires, Molecular Electronics, and Nanodevices By Krzysztof Iniewski EPub

T3ZI8W2KBCG: Nanoelectronics: Nanowires, Molecular Electronics, and Nanodevices By Krzysztof Iniewski