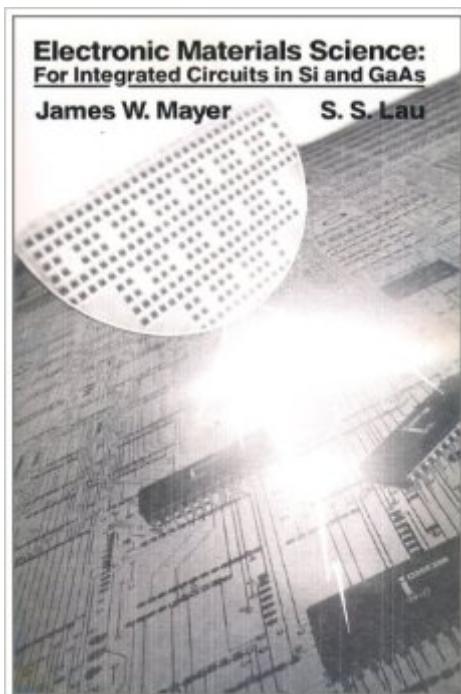


The book was found

# Electronic Materials Science: For Integrated Circuits In Si And GaAs



## Synopsis

Textbook for electronic material science: for integrated circuits.

## Book Information

Paperback: 480 pages

Publisher: Prentice Hall; 1 edition (August 31, 1989)

Language: English

ISBN-10: 0023781408

ISBN-13: 978-0023781407

Product Dimensions: 6 x 0.7 x 8.9 inches

Shipping Weight: 1.2 pounds

Average Customer Review: 4.0 out of 5 stars See all reviews (2 customer reviews)

Best Sellers Rank: #1,445,638 in Books (See Top 100 in Books) #188 in Books > Engineering & Transportation > Engineering > Electrical & Electronics > Circuits > Integrated #444 in Books > Engineering & Transportation > Engineering > Electrical & Electronics > Circuits > Design #2138 in Books > Engineering & Transportation > Engineering > Materials & Material Science

## Customer Reviews

I was assigned this textbook in a class I took that was taught by James W. Mayer himself. Though we never used the book in the class, I read it myself and was quite impressed with it. The book is very understandable for anyone having taken freshman physics and chemistry in college. It gives a good introduction to the science and technology of semiconductors; emphasis on silicon and gallium arsenide substrates of course. The pages are chock full of figures and diagrams, and there is a lot of equations that are well-explained. Overall, a good textbook to use for learning about semiconductors.

I found that this book explained the necessary and important concepts well. It's a good book as an introduction to Semiconductors, especially if you need to understand the concepts before you go into the deeper stuff. It also provides the mathematics on deriving some of the equations without expecting the reader to already know how the equations came about. Good for undergraduates & graduates who are starting to take stuff in this field.

[Download to continue reading...](#)

Electronic Materials Science: For Integrated Circuits in Si and GaAs GaAs MESFET Circuit Design

(Materials science library) Advances in 3D Integrated Circuits and Systems (Series on Emerging Technologies in Circuits and Systems) Design of 3D Integrated Circuits and Systems (Devices, Circuits, and Systems) Low-Voltage/Low-Power Integrated Circuits and Systems: Low-Voltage Mixed-Signal Circuits (IEEE Press Series on Microelectronic Systems) Electronic Circuits: The Definitive Guide to Circuit Boards, Testing Circuits and Electricity Principles Waste Electrical and Electronic Equipment (WEEE) Handbook (Woodhead Publishing Series in Electronic and Optical Materials) SiGe, GaAs, and InP Heterojunction Bipolar Transistors (Wiley Series in Microwave and Optical Engineering) Semiconductors and Semimetals, Vol. 19: Deep Levels, GaAs, Alloys, Photochemistry Electronic, Magnetic, and Optical Materials (Advanced Materials and Technologies) Principles of Transistor Circuits, Eighth Edition: Introduction and guide to the design of amplifiers, function generators, receivers and digital circuits Design With Operational Amplifiers And Analog Integrated Circuits (McGraw-Hill Series in Electrical and Computer Engineering) Foundations of Analog and Digital Electronic Circuits (The Morgan Kaufmann Series in Computer Architecture and Design) Ultra-Low Voltage Nano-Scale Memories (Integrated Circuits and Systems) Embedded Memories for Nano-Scale VLSIs (Integrated Circuits and Systems) Operational Amplifiers and Linear Integrated Circuits (6th Edition) Analysis and Design of Analog Integrated Circuits, 5th Edition Analysis and Design of Digital Integrated Circuits Radio Frequency Integrated Circuits and Systems Design with Operational Amplifiers and Analog Integrated Circuits

[Dmca](#)