



Introduction to Microelectronic Fabrication: Volume 5 of Modular Series on Solid State Devices (2nd Edition)

By Jaeger, Richard C.

Prentice Hall, 2001. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: (NOTE:Each chapter concludes with Summary, References, and Problems.) Preface. 1. An Overview of Microelectronic Fabrication. A Historical Perspective. An Overview of Monolithic Fabrication Processes and Structures. Metal-Oxide-Semiconductor (MOS) Processes. Basic Bipolar Processing. Safety. 2. Lithography. The Photolithographic Process. Etching Techniques. Photomask Fabrication. Exposure Systems. Exposure Sources. Optical and Electron Microscopy. Further Reading. 3. Thermal Oxidation of Silicon. The Oxidation Process. Modeling Oxidation. Factors Influencing Oxidation Rate. Dopant Redistribution During Oxidation. Masking Properties of Silicon Dioxide. Technology of Oxidation. Oxide Quality. Selective Oxidation and Shallow Trench Formation. Oxide Thickness Characterization. Process Simulation. 4. Diffusion. The Diffusion Process. Mathematical Model for Diffusion. The Diffusion Coefficient. Successive Diffusions. Solid-Solubility Limits. Junction Formation and Characterization. Sheet Resistance. Generation-Depth and Impurity Profile Measurement. Diffusion Simulation. Diffusion Systems. Gettering. 5. Ion Implantation. Implantation Technology. Mathematical Model for Ion Implantation. Selective Implantation. Junction Depth and Sheet Resistance. Channeling, Lattice Damage, and Annealing. Shallow Implantation. Source Listing 6. Film Deposition. Evaporation. Sputtering. Chemical Vapor Deposition. Further

Reviews

A top quality publication along with the font used was intriguing to read. I really could comprehend everything using this written e book. Its been designed in an remarkably straightforward way and it is only after i finished reading through this publication by which basically altered me, modify the way i believe.

-- **Cathrine Larkin Sr.**

Very useful to all of group of people. I actually have read through and so i am certain that i will planning to study yet again once again down the road. I am just very easily can get a satisfaction of looking at a created book.

-- **Mark Bernier**

See Also



TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (2-4 years old) in small classes (3)(Chinese Edition)

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment.Paperback. Pub Date :2005-09-01 Publisher: Chinese children before making Reading: All books are the Youth Pre-employment Training software download generated pictures...



The Perfect Name : A Step

Book Condition: Brand New. Book Condition: Brand New.



Kidz Bop - A Rockin' Fill-In Story: Play Along with the Kidz Bop Stars - and Have a Totally Jammin' Time!

Adams Media. PAPERBACK. Book Condition: New. 144050573X.



TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (3-5 years) Intermediate (3)(Chinese Edition)

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment.Paperback. Pub Date :2005-09-01 Publisher: Chinese children before making Reading: All books are the Youth Pre-employment Training software download generated pictures...



Your Pregnancy for the Father to Be Everything You Need to Know about Pregnancy Childbirth and Getting Ready for Your New Baby by Judith Schuler and Glade B Curtis 2003 Paperback

Book Condition: Brand New. Book Condition: Brand New.



The Snow Globe: Children s Book: (Value Tales) (Imagination) (Kid s Short Stories Collection) (a Bedtime Story)

Createspace, United States, 2013. Paperback. Book Condition: New. Large Print. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Want your kids to enjoy a story of boundless imagination? NOW FOR A LIMITED TIME EXCLUSIVE KINDLE OFFER:...