



Effect of Disorder and Defects in Ion-Implanted Semiconductors: Electrical and Physiochemical Characterization (Semiconductors and Semimetals)

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Defects in ion-implanted semiconductors are important and will likely gain increased importance in the future as annealing temperatures are reduced with successive IC generations. Novel implant approaches, such as MdV implantation, create new types of defects whose origin and annealing characteristics will need to be addressed. Publications in this field mainly focus on the effects of ion implantation on the material and the modification in the implanted layer after high temperature annealing.

Electrical and Physicochemical Characterization focuses on the physics of the annealing kinetics of the damaged layer. An overview of characterization techniques and a critical comparison of the information on annealing kinetics is also presented.

Key Features

- * Provides basic knowledge of ion implantation-induced defects
- * Focuses on physical mechanisms of defect annealing
- * Utilizes electrical and physico-chemical characterization tools for processed semiconductors
- * Provides the basis for understanding the problems caused by the defects generated by implantation and the means for their characterization and elimination

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Why? Because this Effect of Disorder and Defects in Ion-Implanted Semiconductors: Electrical and Physiochemical Characterization (Semiconductors and Semimetals) is an unordinary book that the inside of the book waiting for you to snap that but latter it will distress you with the secret it inside. Reading this book alongside it was fantastic author who write the book in such remarkable way makes the content within easier to understand, entertaining means but still convey the meaning completely. So , it is good for you because of not hesitating having this nowadays or you going to regret it. This phenomenal book will give you a lot of rewards than the other book have got such as help improving your proficiency and your critical thinking way. So , still want to hold off having that book? If I were being you I will go to the guide store hurriedly.

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