



# Dopants and Defects in Semiconductors

By Matthew D. McCluskey, Eugene E. Haller

Download now

Read Online 

**Dopants and Defects in Semiconductors** By Matthew D. McCluskey, Eugene E. Haller

**Dopants and Defects in Semiconductors** covers the theory, experimentation, and identification of impurities, dopants, and intrinsic defects in semiconductors. The book fills a crucial gap between solid-state physics and more specialized course texts.

The authors first present introductory concepts, including basic semiconductor theory, defect classifications, crystal growth, and doping. They then explain electrical, vibrational, optical, and thermal properties. Moving on to characterization approaches, the text concludes with chapters on the measurement of electrical properties, optical spectroscopy, particle-beam methods, and microscopy.

By treating dopants and defects in semiconductors as a unified subject, this book helps define the field and prepares students for work in technologically important areas. It provides students with a solid foundation in both experimental methods and the theory of defects in semiconductors.

 [Download Dopants and Defects in Semiconductors ...pdf](#)

 [Read Online Dopants and Defects in Semiconductors ...pdf](#)

# Dopants and Defects in Semiconductors

*By Matthew D. McCluskey, Eugene E. Haller*

**Dopants and Defects in Semiconductors** By Matthew D. McCluskey, Eugene E. Haller

**Dopants and Defects in Semiconductors** covers the theory, experimentation, and identification of impurities, dopants, and intrinsic defects in semiconductors. The book fills a crucial gap between solid-state physics and more specialized course texts.

The authors first present introductory concepts, including basic semiconductor theory, defect classifications, crystal growth, and doping. They then explain electrical, vibrational, optical, and thermal properties. Moving on to characterization approaches, the text concludes with chapters on the measurement of electrical properties, optical spectroscopy, particle-beam methods, and microscopy.

By treating dopants and defects in semiconductors as a unified subject, this book helps define the field and prepares students for work in technologically important areas. It provides students with a solid foundation in both experimental methods and the theory of defects in semiconductors.

## **Dopants and Defects in Semiconductors** By Matthew D. McCluskey, Eugene E. Haller Bibliography

- Sales Rank: #1400539 in Books
- Published on: 2012-02-23
- Original language: English
- Number of items: 1
- Dimensions: 10.00" h x .88" w x 7.01" l, 1.85 pounds
- Binding: Hardcover
- 390 pages

 [Download Dopants and Defects in Semiconductors ...pdf](#)

 [Read Online Dopants and Defects in Semiconductors ...pdf](#)

## **Editorial Review**

### **Users Review**

#### **From reader reviews:**

##### **John Bennett:**

The book Dopants and Defects in Semiconductors can give more knowledge and information about everything you want. Why then must we leave the good thing like a book Dopants and Defects in Semiconductors? Several of you have a different opinion about book. But one aim that will book can give many data for us. It is absolutely proper. Right now, try to closer together with your book. Knowledge or info that you take for that, you could give for each other; you can share all of these. Book Dopants and Defects in Semiconductors has simple shape nevertheless, you know: it has great and massive function for you. You can search the enormous world by available and read a e-book. So it is very wonderful.

##### **John Pace:**

Spent a free the perfect time to be fun activity to try and do! A lot of people spent their spare time with their family, or their own friends. Usually they undertaking activity like watching television, about to beach, or picnic inside park. They actually doing same thing every week. Do you feel it? Would you like to something different to fill your current free time/ holiday? Might be reading a book might be option to fill your free time/ holiday. The first thing you will ask may be what kinds of e-book that you should read. If you want to attempt look for book, may be the book untitled Dopants and Defects in Semiconductors can be very good book to read. May be it is usually best activity to you.

##### **Theodore Dubose:**

The book untitled Dopants and Defects in Semiconductors contain a lot of information on this. The writer explains your ex idea with easy approach. The language is very simple to implement all the people, so do certainly not worry, you can easy to read the item. The book was written by famous author. The author provides you in the new time of literary works. It is easy to read this book because you can keep reading your smart phone, or device, so you can read the book with anywhere and anytime. In a situation you wish to purchase the e-book, you can open their official web-site in addition to order it. Have a nice study.

##### **Bonnie Wilson:**

A lot of book has printed but it is different. You can get it by online on social media. You can choose the best book for you, science, amusing, novel, or whatever simply by searching from it. It is referred to as of book Dopants and Defects in Semiconductors. You can add your knowledge by it. Without causing the printed book, it might add your knowledge and make a person happier to read. It is most essential that, you

must aware about guide. It can bring you from one destination for a other place.

**Download and Read Online Dopants and Defects in Semiconductors  
By Matthew D. McCluskey, Eugene E. Haller #30YE1BIU24M**

## **Read Dopants and Defects in Semiconductors By Matthew D. McCluskey, Eugene E. Haller for online ebook**

Dopants and Defects in Semiconductors By Matthew D. McCluskey, Eugene E. Haller 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 Dopants and Defects in Semiconductors By Matthew D. McCluskey, Eugene E. Haller books to read online.

### **Online Dopants and Defects in Semiconductors By Matthew D. McCluskey, Eugene E. Haller ebook PDF download**

#### **Dopants and Defects in Semiconductors By Matthew D. McCluskey, Eugene E. Haller Doc**

Dopants and Defects in Semiconductors By Matthew D. McCluskey, Eugene E. Haller Mobipocket

Dopants and Defects in Semiconductors By Matthew D. McCluskey, Eugene E. Haller EPub

30YE1BIU24M: Dopants and Defects in Semiconductors By Matthew D. McCluskey, Eugene E. Haller