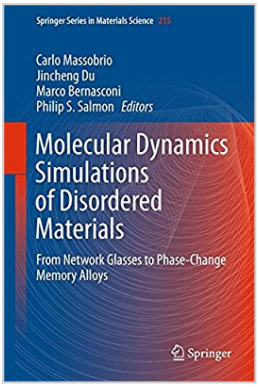

Molecular Dynamics Simulations of Disordered Materials: From Network Glasses to Phase-Change Memory Alloys (Springer Series in Materials Science)

From Springer

Molecular Dynamics Simulations of Disordered Materials: From Network Glasses to Phase-Change Memory Alloys (Springer Series in Materials Science) From Springer

This book is a unique reference work in the area of atomic-scale simulation of glasses. For the first time, a highly selected panel of about 20 researchers provides, in a single book, their views, methodologies and applications on the use of molecular dynamics as a tool to describe glassy materials. The book covers a wide range of systems covering "traditional" network glasses, such as chalcogenides and oxides, as well as glasses for applications in the area of phase change materials. The novelty of this work is the interplay between molecular dynamics methods (both at the classical and first-principles level) and the structure of materials for which, quite often, direct experimental structural information is rather scarce or absent. The book features specific examples of how quite subtle features of the structure of glasses can be unraveled by relying on the predictive power of molecular dynamics, used in connection with a realistic description of forces.

Molecular Dynamics Simulations of Disordered Materials: From Network Glasses to Phase-Change Memory Alloys (Springer Series in Materials Science)

From Springer

Molecular Dynamics Simulations of Disordered Materials: From Network Glasses to Phase-Change Memory Alloys (Springer Series in Materials Science) From Springer

This book is a unique reference work in the area of atomic-scale simulation of glasses. For the first time, a highly selected panel of about 20 researchers provides, in a single book, their views, methodologies and applications on the use of molecular dynamics as a tool to describe glassy materials. The book covers a wide range of systems covering "traditional" network glasses, such as chalcogenides and oxides, as well as glasses for applications in the area of phase change materials. The novelty of this work is the interplay between molecular dynamics methods (both at the classical and first-principles level) and the structure of materials for which, quite often, direct experimental structural information is rather scarce or absent. The book features specific examples of how quite subtle features of the structure of glasses can be unraveled by relying on the predictive power of molecular dynamics, used in connection with a realistic description of forces.

Molecular Dynamics Simulations of Disordered Materials: From Network Glasses to Phase-Change Memory Alloys (Springer Series in Materials Science) From Springer Bibliography

- Sales Rank: #6061220 in Books
- Published on: 2015-04-23
- Original language: English
- Number of items: 1
- Dimensions: 9.21" h x 1.19" w x 6.14" l, .0 pounds
- Binding: Hardcover
- 529 pages

Editorial Review

From the Back Cover
This book is a unique reference work in the area of atomic-scale simulation of glasses. For the first time, a highly selected panel of about 20 researchers provides, in a single book, their views, methodologies and applications on the use of molecular dynamics as a tool to describe glassy materials. The book covers a wide range of systems covering "traditional" network glasses, such as chalcogenides and oxides, as well as glasses for applications in the area of phase change materials. The novelty of this work is the interplay between molecular dynamics methods (both at the classical and first-principles level) and the structure of materials for which, quite often, direct experimental structural information is rather scarce or absent. The book features specific examples of how quite subtle features of the structure of glasses can be unraveled by relying on the predictive power of molecular dynamics, used in connection with a realistic description of forces.

Users Review

From reader reviews:

Ronald Karl:

Now a day those who Living in the era just where everything reachable by connect with the internet and the resources inside can be true or not require people to be aware of each facts they get. How people have to be smart in receiving any information nowadays? Of course the solution is reading a book. Looking at a book can help individuals out of this uncertainty Information specially this Molecular Dynamics Simulations of Disordered Materials: From Network Glasses to Phase-Change Memory Alloys (Springer Series in Materials Science) book because this book offers you rich data and knowledge. Of course the details in this book hundred % guarantees there is no doubt in it as you know.

Mamie Crossett:

Information is provisions for people to get better life, information presently can get by anyone with everywhere. The information can be a information or any news even a problem. What people must be consider any time those information which is inside the former life are hard to be find than now could be taking seriously which one is acceptable to believe or which one the particular resource are convinced. If you obtain the unstable resource then you have it as your main information there will be huge disadvantage for you. All of those possibilities will not happen throughout you if you take Molecular Dynamics Simulations of Disordered Materials: From Network Glasses to Phase-Change Memory Alloys (Springer Series in Materials Science) as the daily resource information.

Judith Bryant:

The book untitled Molecular Dynamics Simulations of Disordered Materials: From Network Glasses to Phase-Change Memory Alloys (Springer Series in Materials Science) contain a lot of information on this.

The writer explains the woman idea with easy means. The language is very clear and understandable all the people, so do not really worry, you can easy to read this. The book was published by famous author. The author gives you in the new era of literary works. It is possible to read this book because you can read more your smart phone, or product, so you can read the book with anywhere and anytime. If you want to buy the e-book, you can open up their official web-site and also order it. Have a nice go through.

Deanna Marcantel:

Do you like reading a e-book? Confuse to looking for your chosen book? Or your book ended up being rare? Why so many query for the book? But any kind of people feel that they enjoy to get reading. Some people likes reading through, not only science book but in addition novel and Molecular Dynamics Simulations of Disordered Materials: From Network Glasses to Phase-Change Memory Alloys (Springer Series in Materials Science) or others sources were given information for you. After you know how the great a book, you feel want to read more and more. Science reserve was created for teacher or maybe students especially. Those textbooks are helping them to increase their knowledge. In additional case, beside science book, any other book likes Molecular Dynamics Simulations of Disordered Materials: From Network Glasses to Phase-Change Memory Alloys (Springer Series in Materials Science) to make your spare time a lot more colorful. Many types of book like here.

Read Molecular Dynamics Simulations of Disordered Materials: From Network Glasses to Phase-Change Memory Alloys (Springer Series in Materials Science) From Springer for online ebook

Molecular Dynamics Simulations of Disordered Materials: From Network Glasses to Phase-Change Memory Alloys (Springer Series in Materials Science) From Springer 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 Molecular Dynamics Simulations of Disordered Materials: From Network Glasses to Phase-Change Memory Alloys (Springer Series in Materials Science) From Springer books to read online.

Online Molecular Dynamics Simulations of Disordered Materials: From Network Glasses to Phase-Change Memory Alloys (Springer Series in Materials Science) From Springer ebook PDF download

Molecular Dynamics Simulations of Disordered Materials: From Network Glasses to Phase-Change Memory Alloys (Springer Series in Materials Science) From Springer Doc

Molecular Dynamics Simulations of Disordered Materials: From Network Glasses to Phase-Change Memory Alloys (Springer Series in Materials Science) From Springer Mobipocket

Molecular Dynamics Simulations of Disordered Materials: From Network Glasses to Phase-Change Memory Alloys (Springer Series in Materials Science) From Springer EPub