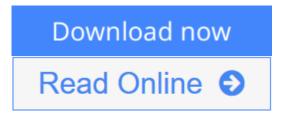


Biomaterials: An Introduction

By Joon Park, R. S. Lakes



Biomaterials: An Introduction By Joon Park, R. S. Lakes

With sixty years of combined experience, the authors of this extensively revised book have learned to emphasize the fundamental materials science, structure-property relationships, and biological responses as a foundation for a wide array of biomaterials applications. This edition includes a new chapter on tissue engineering and regenerative medicine, approximately 1900 references to additional reading, extensive tutorial materials on new developments in spinal implants and fixation techniques and theory. It also offers systematic coverage of orthopedic implants, and expanded treatment of ceramic materials and implants.



Read Online Biomaterials: An Introduction ...pdf

Biomaterials: An Introduction

By Joon Park, R. S. Lakes

Biomaterials: An Introduction By Joon Park, R. S. Lakes

With sixty years of combined experience, the authors of this extensively revised book have learned to emphasize the fundamental materials science, structure-property relationships, and biological responses as a foundation for a wide array of biomaterials applications. This edition includes a new chapter on tissue engineering and regenerative medicine, approximately 1900 references to additional reading, extensive tutorial materials on new developments in spinal implants and fixation techniques and theory. It also offers systematic coverage of orthopedic implants, and expanded treatment of ceramic materials and implants.

Biomaterials: An Introduction By Joon Park, R. S. Lakes Bibliography

Sales Rank: #1112219 in Books
Published on: 2007-08-17
Original language: English

• Number of items: 1

• Dimensions: 10.00" h x 1.25" w x 7.01" l, 2.55 pounds

• Binding: Hardcover

• 562 pages



Read Online Biomaterials: An Introduction ...pdf

Download and Read Free Online Biomaterials: An Introduction By Joon Park, R. S. Lakes

Editorial Review

Review

From a review of the first edition:

'The author has provided a well-written review of the major areas to be covered by anyone entering this field...a useful text for students, engineers, scientists, and surgeons wishing to explore this field.'

Journal of Metals

From the Back Cover

Biomaterials, an Introduction is intended as a general introduction to the uses of artificial materials in the human body for the purposes of aiding healing, correcting deformities, and restoring lost function.

Enhancing on the field developments since the successful last edition, Biomaterials, an Introduction continues in its tradition as an outgrowth of an undergraduate course for senior students in biomedical engineering developed by the authors With 60 years of combined experience, the authors have emphasized the fundamental materials science, structure-property relationships and biological responses as a foundation for a wide array of biomaterials applications.

Key Features:

- New detailed illustrations
- Example problems to provide the student with hands-on experience with concepts
- Extensive tutorial materials on new developments in spinal implants and fixation techniques and theory, including systematic overage of orthopedic implants, and expanded treatment of ceramic materials and implants
- New topics included on tissue engineering and regenerative medicine
- Approximately 1900 references to additional reading,

Organized as a textbook for the student needing to acquire the core competencies, Biomaterials, an Introduction will meet the demands of advanced undergraduate or graduate coursework in biomaterials, biomedical engineering, and biophysics.

Joon Park is Professor, Biomedical Engineering Department, College of Engineering, University of Iowa.

Rod Lakes is a Wisconsin Distinguished Professor at the University of Wisconsin, serving both the Department of Engineering Physics and the Department of Biomedical Engineering. More information about Dr. Lakes and his research can be found on his website: http://silver.neep.wisc.edu/~lakes

About the Author

Joon Park is Professor, Biomedical Engineering Department, College of Engineering, University of Iowa.

Rod Lakes is a Wisconsin Distinguished Professor at the University of Wisconsin, serving both the Department of Engineering Physics and the Department of Biomedical Engineering. More information about Dr. Lakes and his research can be found on his website: http://silver.neep.wisc.edu/~lakes

Users Review

From reader reviews:

Douglas Reece:

Book is actually written, printed, or created for everything. You can realize everything you want by a reserve. Book has a different type. We all know that that book is important matter to bring us around the world. Close to that you can your reading skill was fluently. A e-book Biomaterials: An Introduction will make you to become smarter. You can feel more confidence if you can know about every little thing. But some of you think in which open or reading a book make you bored. It is not necessarily make you fun. Why they may be thought like that? Have you seeking best book or ideal book with you?

James Cooper:

Reading can called thoughts hangout, why? Because when you find yourself reading a book particularly book entitled Biomaterials: An Introduction the mind will drift away trough every dimension, wandering in most aspect that maybe mysterious for but surely can become your mind friends. Imaging every single word written in a publication then become one web form conclusion and explanation that will maybe you never get before. The Biomaterials: An Introduction giving you a different experience more than blown away your thoughts but also giving you useful details for your better life in this particular era. So now let us show you the relaxing pattern here is your body and mind are going to be pleased when you are finished reading through it, like winning an activity. Do you want to try this extraordinary spending spare time activity?

Roxanne Mazon:

In this particular era which is the greater man or who has ability to do something more are more valuable than other. Do you want to become among it? It is just simple approach to have that. What you must do is just spending your time very little but quite enough to enjoy a look at some books. One of many books in the top checklist in your reading list is Biomaterials: An Introduction. This book which can be qualified as The Hungry Inclines can get you closer in getting precious person. By looking upwards and review this e-book you can get many advantages.

Matthew Seifert:

As we know that book is significant thing to add our expertise for everything. By a e-book we can know everything we wish. A book is a group of written, printed, illustrated or blank sheet. Every year has been exactly added. This book Biomaterials: An Introduction was filled with regards to science. Spend your free

time to add your knowledge about your scientific disciplines competence. Some people has diverse feel when they reading some sort of book. If you know how big benefit from a book, you can sense enjoy to read a reserve. In the modern era like now, many ways to get book you wanted.

Download and Read Online Biomaterials: An Introduction By Joon Park, R. S. Lakes #HFGKN037A4D

Read Biomaterials: An Introduction By Joon Park, R. S. Lakes for online ebook

Biomaterials: An Introduction By Joon Park, R. S. Lakes 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 Biomaterials: An Introduction By Joon Park, R. S. Lakes books to read online.

Online Biomaterials: An Introduction By Joon Park, R. S. Lakes ebook PDF download

Biomaterials: An Introduction By Joon Park, R. S. Lakes Doc

Biomaterials: An Introduction By Joon Park, R. S. Lakes Mobipocket

Biomaterials: An Introduction By Joon Park, R. S. Lakes EPub

HFGKN037A4D: Biomaterials: An Introduction By Joon Park, R. S. Lakes