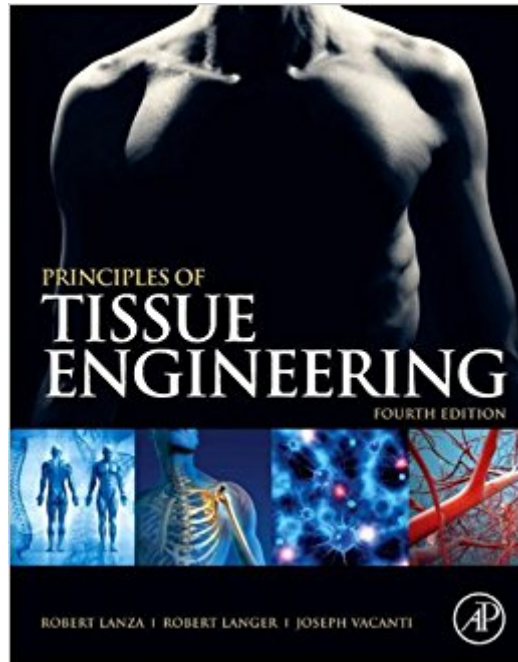




Ebook Directory
the best source of ebook

The book was found

Principles Of Tissue Engineering



Synopsis

Now in its fourth edition, *Principles of Tissue Engineering* has been the definite resource in the field of tissue engineering for more than a decade. The fourth edition provides an update on this rapidly progressing field, combining the prerequisites for a general understanding of tissue growth and development, the tools and theoretical information needed to design tissues and organs, as well as a presentation by the world's experts of what is currently known about each specific organ system. As in previous editions, this book creates a comprehensive work that strikes a balance among the diversity of subjects that are related to tissue engineering, including biology, chemistry, material science, and engineering, among others, while also emphasizing those research areas that are likely to be of clinical value in the future. This edition includes greatly expanded focus on stem cells, including induced pluripotent stem (iPS) cells, stem cell niches, and blood components from stem cells. This research has already produced applications in disease modeling, toxicity testing, drug development, and clinical therapies. This up-to-date coverage of stem cell biology and other emerging technologies such as brain-machine interfaces for controlling bionics and neuroprostheses is complemented by a series of new and updated chapters on recent clinical experience in applying tissue engineering, as well as a new section on the application of tissue-engineering techniques for food production. The result is a comprehensive textbook that will be useful to students and experts alike. Includes new chapters on biomaterial-protein interactions, nanocomposite and three-dimensional scaffolds, skin substitutes, spinal cord, vision enhancement, and heart valves. Offers expanded coverage of adult and embryonic stem cells of the cardiovascular, hematopoietic, musculoskeletal, nervous, and other organ systems. Full-color presentation throughout.

Book Information

File Size: 28993 KB

Print Length: 1238 pages

Publisher: Academic Press; 4 edition (October 17, 2013)

Publication Date: October 17, 2013

Sold by: Digital Services LLC

Language: English

ASIN: B00G9855S4

Text-to-Speech: Enabled

X-Ray: Not Enabled

Word Wise: Not Enabled

Lending: Not Enabled

Enhanced Typesetting: Enabled

Best Sellers Rank: #490,245 Paid in Kindle Store (See Top 100 Paid in Kindle Store) #30

in Kindle Store > Kindle eBooks > Nonfiction > Science > Biological Sciences > Biophysics

#33 in Kindle Store > Kindle eBooks > Medical eBooks > Special Topics > Biotechnology #62

in Kindle Store > Kindle eBooks > Nonfiction > Science > Biological Sciences > Biology > Cell Biology

Customer Reviews

Thank you

I will be hopefully starting new lab and am using this to guide us on what we will need to do to achieve a function pelvic floor molecular biology laboratory. Its full of useful information and diagrams.

Good book. Fast delivery. Poor protection for a new book

[Download to continue reading...](#)

Tissue Engineering II: Basics of Tissue Engineering and Tissue Applications (Advances in Biochemical Engineering/Biotechnology) Tissue Engineering I: Scaffold Systems for Tissue Engineering (Advances in Biochemical Engineering/Biotechnology) (v. 1) Tissue Engineering: Engineering Principles for the Design of Replacement Organs and Tissues Stained Glass Tissue Box Cover: How to make your own stained glass tissue box covers Biomimetic Materials And Design: Biointerfacial Strategies, Tissue Engineering And Targeted Drug Delivery (Manufacturing Engineering & Materials Processing) Principles of Tissue Engineering, 4th Edition Principles of Tissue Engineering, Second Edition Principles of Tissue Engineering Biomedical Engineering Principles Of The Bionic Man (Series on Bioengineering & Biomedical Engineering) (Bioengineering & Biomedical Engineering (Paperback)) Laser-Tissue Interactions: Fundamentals and Applications (Biological and Medical Physics, Biomedical Engineering) Tissue Engineering, Second Edition Stem Cells, Tissue Engineering and Regenerative Medicine Tissue Engineering Culture of Cells for Tissue Engineering Tissue Engineering: From Cell Biology to Artificial Organs 3D Bioprinting and Nanotechnology in Tissue Engineering and Regenerative Medicine Orthodontically Driven Corticotomy: Tissue Engineering to Enhance Orthodontic and Multidisciplinary Treatment

Biomechanics and Mechanobiology of Aneurysms (Studies in Mechanobiology, Tissue Engineering and Biomaterials) (Volume 7) Cells and Biomaterials for Intervertebral Disc Regeneration (Synthesis Lectures on Tissue Engineering) Biomedical Applications of Polyurethanes (Tissue Engineering Intelligence Unit)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)