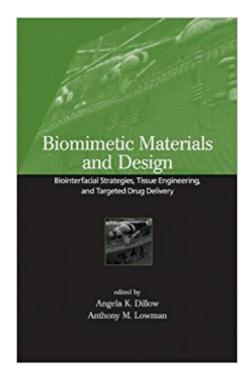


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Biomimetic Materials And Design: Biointerfacial Strategies, Tissue Engineering And Targeted Drug Delivery (Manufacturing Engineering & Materials Processing)





Synopsis

Detailing Å Å techniques in wound healing and reconstruction, this reference describes the mechanisms and architecture of biological systems to formulate and design natural and synthetic compounds, degradable and non-degradable scaffolds, and targeted drug delivery devices. It offers strategies to control adhesive interactions, elicit specific cellular responses, and improve the biocompatibility, performance, and durability of prosthetic materials. Covering advances in the field, the book discusses the effect of topographical features on cell behaviors such as orientation, adhesion, migration, proliferation, and differentation.

Book Information

Series: Manufacturing Engineering & Materials Processing Hardcover: 696 pages Publisher: CRC Press; 1 edition (August 28, 2002) Language: English ISBN-10: 0824707915 ISBN-13: 978-0824707910 Product Dimensions: 6.3 x 1.4 x 9.4 inches Shipping Weight: 2.4 pounds (View shipping rates and policies) Average Customer Review: Be the first to review this item Best Sellers Rank: #8,995,370 in Books (See Top 100 in Books) #95 inà Â Books > Medical Books > Pharmacology > Drug Delivery Systems #1270 inà Â Books > Engineering & Transportation > Engineering > Materials & Material Science > Extraction & Processing #1818 inà Â Books > Textbooks > Medicine & Health Sciences > Medicine > Biotechnology

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