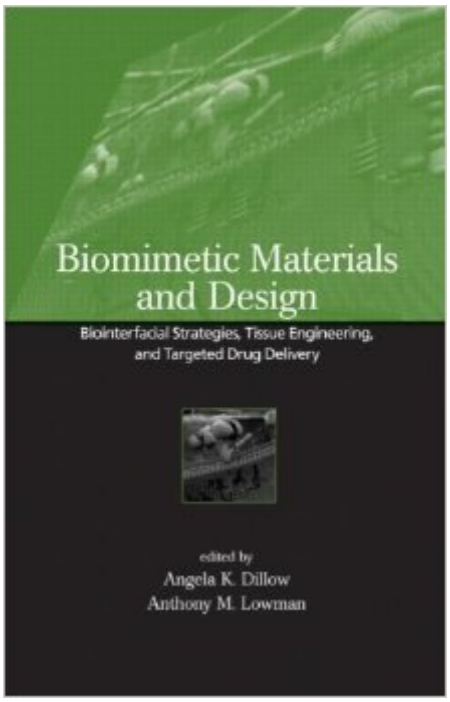
Biomimetic Materials And Design: Biointerfacial Strategies, Tissue Engineering And Targeted Drug Delivery (Manufacturing Engineering & Materials Processing)



Synopsis

DetailingÂ 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)

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