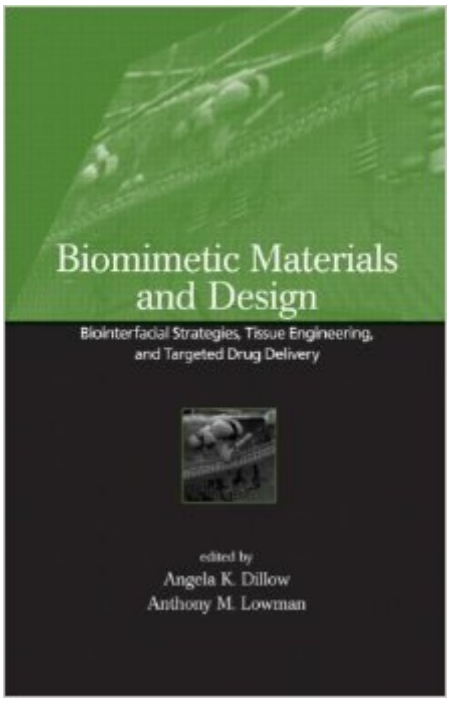
Biomimetic Materials And Design: Biointerfacial Strategies, Tissue Engineering And Targeted Drug Delivery (Manufacturing Engineering & Materials Processing)



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

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Business Guides Book 1) Tissue Engineering: Engineering Principles for the Design of Replacement Organs and Tissues Microprocessor Design: A Practical Guide from Design Planning to Manufacturing (Professional Engineering) Materials North American Edition w/Online Testing: Materials - North American Edition, Second Edition: engineering, science, processing and design Introduction To Health Care Delivery: A Primer for Pharmacists (McCarthy, Introduction to Health Care Delivery) Modern Ceramic Engineering: Properties, Processing, and Use in Design, 3rd Edition (Materials Engineering) Modern Ceramic Engineering: Properties, Processing, and Use in Design, Third Edition (Materials Engineering) Industrial Design: Materials and Manufacturing Guide Manufacturing Processes for Engineering Materials (5th Edition) Therapeutic Protein Drug Products: Practical Approaches to formulation in the Laboratory, Manufacturing, and the Clinic (Woodhead Publishing Series in Biomedicine) Engineering Materials 2, Fourth Edition: An Introduction to Microstructures and Processing (International Series on Materials Science and Technology) Materials Processing: A Unified Approach to Processing of Metals, Ceramics and Polymers Engineering Design: A Materials and Processing Approach