

1. Record Nr.	UNINA9910450284703321
Autore	Saltzman W. Mark
Titolo	Tissue engineering : engineering principles for the design of replacement organs and tissues / / W. Mark Saltzman
Pubbl/distr/stampa	New York, New York : , : Oxford University Press, , 2004 ©2004
ISBN	0-19-756177-2 1-280-48162-5 0-19-803240-4 1-4337-0104-9
Descrizione fisica	1 online resource (538 p.)
Collana	Oxford scholarship online
Disciplina	612.028
Soggetti	Tissue engineering Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Previously issued in print: 2004.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Contents; 1 The State-of-the-Art in Tissue Exchange; 2 Objectives of Tissue Engineering; 3 Elements of Tissue Development; 4 Cell Growth and Differentiation; 5 Cell and Tissue Mechanics; 6 Cell Adhesion; 7 Cell Migration; 8 Cell Aggregation and Tissue Equivalents; 9 Tissue Barriers to Molecular and Cellular Transport; 10 Cell Delivery and Recirculation; 11 Delivery of Molecular Agents in Tissue Engineering; 12 Cell Interactions With Polymers; 13 Approaches to Tissue Engineering; 14 Case Studies in Tissue Engineering; Appendices; A: Introduction to Polymers; B: Analysis of Molecular Transport C: Useful DataD: Nomenclature and Abbreviations; Index; A; B; C; D; E; F; G; H; I; K; L; M; N; O; P; R; S; T; U; V; W; X; Y; Z
Sommario/riassunto	Tissue engineering is a new field of biomedical engineering, in which synthetic materials are used together with biological components such as tissue fragments, cells, proteins to encourage tissue regeneration, regrowth, and repair. This book introduces the principles of tissue engineering in a unique way that is ideally suited for the modern engineering student. A review of developmental biology is presented

early in the book, since biological development is the fundamental process of most relevance for tissue engineering. The study of development provides a pathway to basic bioengineering units on cell adhesion, migration, assembly, and transport, which are integrated in the final sections of the book into tissue engineering processes (such as cell delivery, growth factor administration, and polymeric scaffold materials).

2. Record Nr.	UNINA9910480753803321
Titolo	Strengthening the environmental dimensions of the sustainable development goals in Asia and the Pacific : stocktake of national responses to sustainable development goals 12, 14, and 15 // Asian Development Bank
Pubbl/distr/stampa	Metro Manila, Philippines : , : Asian Development Bank, , 2019
ISBN	92-9261-491-6
Descrizione fisica	1 online resource (95 pages)
Disciplina	338.9507
Soggetti	Sustainable development - Asia Sustainable development - Pacific Area Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia