1. Record Nr. UNINA9910451064303321

Titolo	Biomechanical systems technology . (Volume 1) Computational methods [[electronic resource] /] / editor, Cornelius T. Leondes
Pubbl/distr/stampa	Hackensack, N.J., : World Scientific, c2007
ISBN	1-281-91910-1 9786611919108 981-277-004-6
Descrizione fisica	viii, 319 p. : ill
Altri autori (Persone)	LeondesCornelius T
Disciplina	612.76
Soggetti	Biomechanics Biomechanics - Methodology Computational biology - Methodology Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	ch. 1. Deformable image registration for radiation therapy planning : algorithms and applications / M.R. Kaus and K.K. Brock -- ch. 2. Image-based computational hemodynamics methods and their application for the analysis of blood flow past endovascular devices / J. R. Cebral ... [et al.] -- ch. 3. On modeling soft biological tissues with the natural element method / M. Doblare ... [et al.] -- ch. 4. Techniques in computer-aided diagnosis and their application in clinical investigation of bronchial systems / C.I. Fetita ... [et al.] -- ch. 5. Computational approach to left ventricular flow for developing clinical applications / M. Nakamura, S. Wada, and T. Yamaguchi -- ch. 6. The biomedical applications of computed tomography / H.S. Tuan and D.W. Hutmacher -- ch. 7. Methods in combined compression and elongation of liver tissue and their application in surgical simulation / I. Sakuma and C. Chui -- ch. 8. Ultrasound measurement of swelling behaviors of articular cartilage in situ / Q. Wang and Y.P. Zheng -- ch. 9. Non-linear analysis of the respiratory pattern / P. Caminal ... [et al.].
Sommario/riassunto	"Because of rapid developments in computer technology and computational techniques, advances in a wide spectrum of

	technologies, coupled with cross-disciplinary pursuits between technology and its application to human body processes, the field of biomechanics continues to evolve. Many areas of significant progress include dynamics of musculoskeletal systems, mechanics of hard and soft tissues, mechanics of bone remodeling, mechanics of blood and air flow, flow-prosthesis interfaces, mechanics of impact, dynamics of man-machine interaction, and more. Thus, the great breadth and significance of the field in the international scene require a well integrated set of volumes to provide a complete coverage of the exciting subject of biomechanical systems technology. World-renowned contributors tackle the latest technologies in an in-depth and readable manner."

2.

Record Nr.	UNINA9910141264203321
Titolo	Antibacterial agents : chemistry, mode of action, mechanisms of resistance, and clinical applications / / Rosaleen Anderson ... [et al.]
Pubbl/distr/stampa	Chichester, West Sussex, U.K., : John Wiley & Sons, 2012
ISBN	9786613662446 9781118324820 111832482X 9781118325421 1118325427 9781118325445 1118325443 9781280685507 1280685506 9781118325438 1118325435
Edizione	[1st ed.]
Descrizione fisica	1 online resource (379 p.)
Altri autori (Persone)	AndersonRosaleen J
Disciplina	615.7/922
Soggetti	Antibacterial agents
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.

Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	section 1. Introduction to microorganisms and antibacterial chemotherapy -- section. 2. Agents targeting DNA -- section 3. Agents targeting metabolic processes -- section 4. Agents targeting protein synthesis -- section 5. Agents targeting cell-wall synthesis.
Sommario/riassunto	Antibacterial agents act against bacterial infection either by killing the bacterium or by arresting its growth. They do this by targeting bacterial DNA and its associated processes, attacking bacterial metabolic processes including protein synthesis, or interfering with bacterial cell wall synthesis and function.Antibacterial Agents is an essential guide to this important class of chemotherapeutic drugs. Compounds are organised according to their target, which helps the reader understand the mechanism of action of these drugs and how resistance can arise. The book uses an i