

1. Record Nr.	UNINA990003215420403321
Titolo	Technology and Economic Development : The Dynamics of Local, Regional, and National Change / Edward J. Malecki
Pubbl/distr/stampa	Harlow : Longmans, 1991
ISBN	0-470-21723-5
Descrizione fisica	XVI, 495 p. ; 24 cm
Disciplina	F/3.113 F/3.2 G/1.4
Locazione	SE
Collocazione	§ G/1.4 MAL
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr.	UNINA9910450447303321
Titolo	Biomechanics at micro- and nanoscale levels [[electronic resource]] . Vol. I : morphogenesis. // editor, Hiroshi Wada
Pubbl/distr/stampa	Hackensack, NJ ; ; Singapore, : World Scientific, c2005
ISBN	1-281-88099-X 9786611880996 981-256-930-8
Descrizione fisica	1 online resource (183 p.)
Altri autori (Persone)	WadaHiroshi <1949->
Disciplina	571.43 612.76
Soggetti	Biomechanics Cells - Mechanical properties Electronic books.
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	PREFACE; CONTENTS; I. CELL MECHANICS; IMAGING AND MECHANICAL PROPERTIES OF GUINEA PIG OUTER HAIR CELLS STUDIED BY ATOMIC FORCE MICROSCOPY; DEVELOPMENT OF A NOVEL MICRO TENSILE TESTER FOR SINGLE ISOLATED CELLS AND ITS APPLICATION TO VISCOELASTIC ANALYSIS OF AORTIC SMOOTH MUSCLE CELLS; SHEAR DEPENDENT ALBUMIN UPTAKE IN CULTURED ENDOTHELIAL CELLS; BIOMECHANICAL AND BIOTRIBOLOGICAL IMPORTANCE OF SURFACE AND SURFACE ZONE IN ARTICULAR CARTILAGE; II. CELL RESPONSE TO MECHANICAL STIMULATION OSTEOBLASTIC MECHANOSENSITIVITY TO LOCALIZED MECHANICAL STIMULUS DEPENDS ON ORIENTATION OF CYTOSKELETAL ACTIN FIBERS MICROBIOMECHANICAL PROPERTIES OF CULTURED ENDOTHELIAL CELLS ESTIMATED BY ATOMIC FORCE MICROSCOPY; EFFECTS OF MECHANICAL STRESSES ON THE MIGRATING BEHAVIOR OF ENDOTHELIAL CELLS; III. TISSUE ENGINEERING; ENGINEERING APPROACHES TO REGULATE CELL DIFFERENTIATION AND TISSUE REGENERATION; A NEW THEORY ON THE LOCALIZATION OF VASCULAR DISEASES; AUTOMORPHOGENESIS OF LOAD BEARING FIBROUS TISSUES:

GENERATION OF TENSILE STRESS, CELL ALIGNMENT, AND MATRIX DEFORMATION BY FIBROBLASTS
IV. COMPUTATIONAL BIOMECHANICS
NOTE ON ANISOTROPIC PROPERTIES OF CANCELLOUS BONE AND TRABECULAE: ELASTICITY AND HARDNESS; APPLICATION OF COMPUTATIONAL BIOMECHANICS TO CLINICAL CARDIOVASCULAR MEDICINE; BIOMECHANICAL STUDY FOR SKELETAL MUSCLE INJURY AND A VIEW OF MICRO-BIOMECHANICS FOR MICROSTRUCTURE OF MUSCLE; MECHANICAL BEHAVIOR AND STRUCTURAL CHANGES OF CELLS SUBJECTED TO MECHANICAL STIMULI: DEFORMATION, FREEZING, AND SHOCK WAVES; SUBJECT INDEX; A; B; C; D; E; F; G; H; I; K; L; M; N; O; P; Q; R; S; T; U; V; W; Y

Sommario/riassunto

This book is essential reading for those interested in understanding current trends of research in the area of biomechanics at micro- and nanoscale levels. It details the research carried out to date in this field by fourteen prominent researchers as part of a four-year government supported project which commenced in 2003.
