1. Record Nr. UNINA9910968879503321

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Titolo	Biomechanics : Mechanical Properties of Living Tissues / / by Y. C. Fung
Pubbl/distr/stampa	New York, NY : , : Springer New York : , : Imprint : Springer, , 1993
ISBN	1-4757-2257-5
Edizione	[2nd ed. 1993.]
Descrizione fisica	1 online resource (xviii, 568 p.) : ill
Disciplina	611 612.014
Soggetti	Sports medicine Life sciences Biomedical engineering Biophysics Sports Medicine Life Sciences Biomedical Engineering and Bioengineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	1 Introduction: A Sketch of the History and Scope of the Field -- 2 The Meaning of the Constitutive Equation -- 3 The Flow Properties of Blood -- 4 Mechanics of Erythrocytes, Leukocytes, and Other Cells -- 5 Interaction of Red Cells with Vessel Wall, and Wall Shear with Endothelium -- 6 Bioviscoelastic Fluids -- 7 Bioviscoelastic Solids -- 8 Mechanical Properties and Active Remodeling of Blood Vessels -- 9 Skeletal Muscle -- 10 Heart Muscle -- 11 Smooth Muscles -- 12 Bone and Cartilage -- Author Index.
Sommario/riassunto	The objective of this book remains the same as that stated in the first edition: to present a comprehensive perspective of biomechanics from the stand point of bioengineering, physiology, and medical science, and to develop mechanics through a sequence of problems and examples. My three-volume set of Bio- mechanics has been completed. They are entitled: Biomechanics: Mechanical Properties of Living Tissues; Biodynamics: Circulation; and Biomechanics: Motion, Flow, Stress, and Growth; and this is the first volume. The mechanics

prerequisite for all three volumes remains at the level of my book A First Course in Continuum Mechanics (3rd edition, Prentice-Hall, Inc. , 1993). In the decade of the 1980s the field of Biomechanics expanded tremen- dously. New advances have been made in all fronts. Those that affect the basic understanding of the mechanical properties of living tissues are described in detail in this revision. The references are brought up to date.