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Nota di contenuto	A brief history of science and orthopaedic biomechanics / Van C. Mow and Rik Huiskes -- Analysis of muscle and joint loads / Patrick J. Prendergast, Frans C. T. Van Der Helm, and Georg N. Duda -- Musculoskeletal dynamics, locomotion, and clinical applications / Thomas P. Andriacchi ... [et al.] -- Biomechanics of bone / Rik Huiskes and Bert van Rietbergen -- Structure and function of articular cartilage and meniscus / Van C. Mow, Faye H. Chen, and Weiyong Gu -- Physical regulation of cartilage metabolism / Farshid Guilak and Clark T. Hung -- Structure and function of ligaments and tendons / Savio L-Y. Woo ... [et al.] -- Biomechanical principles of cartilage and bone tissue engineering / Gordona Vunjak-Novakovic and Steven A. Goldstein -- Quantitative anatomy and imaging of diarthrodial joint articular layers / Gerard A. Ateshian and Felix Eckstein -- Friction, lubrication, and wear of articular cartilage and diarthrodial joints / Gerard A. Ateshian and Van C. Mow -- Biomaterials / Ahmed El-Ghannam and Paul Ducheyne -- Biomechanics of the spine / Ian A.F. Stokes and James C. Iatridis -- Biomechanics of fracture fixation and fracture healing / Lutz E. Claes and Keita Ito -- Biomechanics and preclinical testing of artificial joints : the hip / Rik Huiskes and Jan Stolk -- Biomechanics of total knee replacement designs / Peter S. Walker.

