1. Record Nr. UNINA9910702121603321

Autore	Henderson Brenda S
Titolo	A PIV study of slotted air injection for jet noise reduction [[electronic resource] /] / Brenda S. Henderson and Mark P. Wernet
Pubbl/distr/stampa	Cleveland, Ohio : , : National Aeronautics and Space Administration, Glenn Research Center, , [2012]
Descrizione fisica	1 online resource (16 pages) : color illustrations
Collana	NASA/TM ; ; 2012-217251
Altri autori (Persone)	WernetMark P
Soggetti	Aerodynamic noise Fluid jets Particle image velocimetry Jet aircraft noise Jet mixing flow Supersonic jet flow Noise reduction
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from title screen (viewed on Oct. 26, 2012). "May 2012." "Prepared for the 17th Aeroacoustics Conference cosponsored by the American Institute of Aeronautics and Astronautics and the Confederation of European Aerospace Societies, Portland, Oregon, June 5-8, 2011." "AIAA-2011-8665."
Nota di bibliografia	Includes bibliographical references (page 5).

2. Record Nr. UNINA9910298457403321

Autore	Martin R. Bruce
Titolo	Skeletal Tissue Mechanics / / by R. Bruce Martin, David B. Burr, Neil A. Sharkey, David P. Fyhrie
Pubbl/distr/stampa	New York, NY : , : Springer New York : , : Imprint : Springer, , 2015
ISBN	1-4939-3002-8
Edizione	[2nd ed. 2015.]
Descrizione fisica	1 online resource (XV, 501 p. 194 illus., 33 illus. in color.)
Disciplina	612.7
Soggetti	Human physiology Orthopedics Anatomy Biophysics Human Physiology Orthopaedics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"With 194 illustrations."
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Dedication -- Preface -- Functional Musculoskeletal Anatomy -- Skeletal Biology -- Growth, Modeling and Remodeling of Bone -- Mechanical Properties of Ligament and Tendon -- Synovial Joint Mechanics -- Mechanical Adaptability of the Skeleton -- Mechanical Properties of Bone -- Fatigue and Fracture Resistance of Bone.
Sommario/riassunto	This textbook describes the biomechanics of bone, cartilage, tendons and ligaments. It is rigorous in its approach to the mechanical properties of the skeleton yet it does not neglect the biological properties of skeletal tissue or require mathematics beyond calculus. Time is taken to introduce basic mechanical and biological concepts, and the approaches used for some of the engineering analyses are purposefully limited. The book is an effective bridge between engineering, veterinary, biological and medical disciplines and will be welcomed by students and researchers in biomechanics, orthopedics, physical anthropology, zoology, and veterinary science. This book also: Maximizes reader insights into the mechanical properties of bone, fatigue and fracture resistance of bone, and mechanical adaptability of the skeleton Illustrates synovial joint mechanics and mechanical

properties of ligaments and tendons in an easy-to-understand way
Provides exercises at the endof each chapter.