Eran Linder-Ganz

List of Publications by Year
in descending order

22	1,542	535685 17	843174 20
papers	citations	h-index	g-index

23	23	23	1120
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Quantification of in vitro wear of a synthetic meniscus implant using gravimetric and micro-CT measurements. Journal of the Mechanical Behavior of Biomedical Materials, 2015, 49, 310-320.	1.5	18
2	Alternatives to Meniscus Transplantation Outside the United States. , 2014, , 223-249.		0
3	Viscoelastic properties of a synthetic meniscus implant. Journal of the Mechanical Behavior of Biomedical Materials, 2014, 29, 42-55.	1.5	39
4	In-vivo evaluation of the kinematic behavior of an artificial medial meniscus implant: A pilot study using open-MRI. Clinical Biomechanics, 2014, 29, 898-905.	0.5	25
5	Chondroprotective effects of a polycarbonate-urethane meniscal implant: histopathological results in a sheep model. Knee Surgery, Sports Traumatology, Arthroscopy, 2011, 19, 255-263.	2.3	93
6	Longâ€term evaluation of a compliant cushion form acetabular bearing for hip joint replacement: A 20 million cycles wear simulation. Journal of Orthopaedic Research, 2011, 29, 1859-1866.	1.2	34
7	Wear rate evaluation of a novel polycarbonate-urethane cushion form bearing for artificial hip joints. Acta Biomaterialia, 2010, 6, 4698-4707.	4.1	56
8	MRI-Based Characterization of Bone Anatomy in the Human Knee for Size Matching of a Medial Meniscal Implant. Journal of Biomechanical Engineering, 2010, 132, 101008.	0.6	31
9	Design of a Free-Floating Polycarbonate-Urethane Meniscal Implant Using Finite Element Modeling and Experimental Validation. Journal of Biomechanical Engineering, 2010, 132, 095001.	0.6	66
10	Stress Analyses Coupled With Damage Laws to Determine Biomechanical Risk Factors for Deep Tissue Injury During Sitting. Journal of Biomechanical Engineering, 2009, 131, 011003.	0.6	80
11	Real-Time Finite Element Monitoring of Sub-Dermal Tissue Stresses in Individuals with Spinal Cord Injury: Toward Prevention of Pressure Ulcers. Annals of Biomedical Engineering, 2009, 37, 387-400.	1.3	68
12	Patient-specific modeling of deep tissue injury biomechanics in an unconscious patient who developed myonecrosis after prolonged lying. Journal of Tissue Viability, 2009, 18, 62-71.	0.9	12
13	Biomechanical Analysis of a Serious Pressure Ulcer Case in a Real-World Scenario. , 2009, , .		0
14	Strains and stresses in sub-dermal tissues of the buttocks are greater in paraplegics than in healthy during sitting. Journal of Biomechanics, 2008, 41, 567-580.	0.9	175
15	A Three-Dimensional Model of the Penis for Analysis of Tissue Stresses during Normal and Abnormal Erection. Annals of the New York Academy of Sciences, 2007, 1101, 464-476.	1.8	8
16	The Effects of Pressure and Shear on Capillary Closure in the Microstructure of Skeletal Muscles. Annals of Biomedical Engineering, 2007, 35, 2095-2107.	1.3	92
17	Assessment of mechanical conditions in sub-dermal tissues during sitting: A combined experimental-MRI and finite element approach. Journal of Biomechanics, 2007, 40, 1443-1454.	0.9	273
18	Peak Gluteal Muscle Strain and Stress Values During Sitting Are Greater in Paraplegics Than in Normals. , 2007, , .		3

#	Article	IF	Citations
19	Pressureâ€“time cell death threshold for albino rat skeletal muscles as related to pressure sore biomechanics. Journal of Biomechanics, 2006, 39, 2725-2732.	0.9	180
20	Stress Relaxation of Porcine Gluteus Muscle Subjected to Sudden Transverse Deformation as Related to Pressure Sore Modeling. Journal of Biomechanical Engineering, 2006, 128, 782-787.	0.6	90
21	Computational Studies of Strain Exposures in Neonate and Mature Rat Brains during Closed Head Impact. Journal of Neurotrauma, 2006, 23, 1570-1580.	1.7	46
22	In Vivo Muscle Stiffening Under Bone Compression Promotes Deep Pressure Sores. Journal of Biomechanical Engineering, 2005, 127, 512-524.	0.6	140