

Woo, Sl-Y

List of Publications by Year in descending order

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330
papers

31,174
citations

2669

95
h-index

5101

166
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341
all docs

341
docs citations

341
times ranked

10065
citing authors

#	ARTICLE	IF	CITATIONS
1	Tensile properties of the human femur-anterior cruciate ligament-tibia complex. American Journal of Sports Medicine, 1991, 19, 217-225.	1.9	1,049
2	Biomechanical Analysis of an Anatomic Anterior Cruciate Ligament Reconstruction. American Journal of Sports Medicine, 2002, 30, 660-666.	1.9	867
3	Effects of Increasing Tibial Slope on the Biomechanics of the Knee. American Journal of Sports Medicine, 2004, 32, 376-382.	1.9	643
4	Knee stability and graft function following anterior cruciate ligament reconstruction: Comparison between 11 o'clock and 10 o'clock femoral tunnel placement. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2003, 19, 297-304.	1.3	612
5	Distribution of in situ forces in the anterior cruciate ligament in response to rotatory loads. Journal of Orthopaedic Research, 2004, 22, 85-89.	1.2	553
6	Effects of postmortem storage by freezing on ligament tensile behavior. Journal of Biomechanics, 1986, 19, 399-404.	0.9	512
7	In situ forces in the anterior cruciate ligament and its bundles in response to anterior tibial loads. Journal of Orthopaedic Research, 1997, 15, 285-293.	1.2	498
8	The importance of quadriceps and hamstring muscle loading on knee kinematics and in-situ forces in the ACL. Journal of Biomechanics, 1999, 32, 395-400.	0.9	474
9	Quantitative Analysis of Human Cruciate Ligament Insertions. Arthroscopy - Journal of Arthroscopic and Related Surgery, 1999, 15, 741-749.	1.3	474
10	THE EFFECTIVENESS OF RECONSTRUCTION OF THE ANTERIOR CRUCIATE LIGAMENT WITH HAMSTRINGS AND PATELLAR TENDON. Journal of Bone and Joint Surgery - Series A, 2002, 84, 907-914.	1.4	435
11	Mechanical properties of tendons and ligaments. Biorheology, 1982, 19, 397-408.	1.2	365
12	Importance of the medial meniscus in the anterior cruciate ligament-deficient knee. Journal of Orthopaedic Research, 2000, 18, 109-115.	1.2	361
13	Effects of early intermittent passive mobilization on healing canine flexor tendons. Journal of Hand Surgery, 1982, 7, 170-175.	0.7	357
14	Medial collateral ligament healing. American Journal of Sports Medicine, 1983, 11, 379-389.	1.9	357
15	Tensile and viscoelastic properties of human patellar tendon. Journal of Orthopaedic Research, 1994, 12, 796-803.	1.2	348
16	Biomechanics of knee ligaments: injury, healing, and repair. Journal of Biomechanics, 2006, 39, 1-20.	0.9	344
17	Knee Stability and Graft Function after Anterior Cruciate Ligament Reconstruction. American Journal of Sports Medicine, 2004, 32, 1825-1832.	1.9	342
18	The Human Posterior Cruciate Ligament Complex: An Interdisciplinary Study. American Journal of Sports Medicine, 1995, 23, 736-745.	1.9	333

#	ARTICLE	IF	CITATIONS
19	Biomechanical Analysis of a Posterior Cruciate Ligament Reconstruction. American Journal of Sports Medicine, 2000, 28, 32-39.	1.9	324
20	Biomechanical Analysis of a Double-Bundle Posterior Cruciate Ligament Reconstruction. American Journal of Sports Medicine, 2000, 28, 144-151.	1.9	320
21	Hamstrings are an anterior cruciate ligament protagonist. American Journal of Sports Medicine, 1993, 21, 231-237.	1.9	306
22	The Biomechanical and Biochemical Properties of Swine Tendons - Long Term Effects of Exercise on the Digital Extensors. Connective Tissue Research, 1980, 7, 177-183.	1.1	301
23	Nonlinear material properties of intact cornea and sclera. Experimental Eye Research, 1972, 14, 29-39.	1.2	295
24	The Effects of Platelet-Derived Growth Factor-BB on Healing of the Rabbit Medial Collateral Ligament. American Journal of Sports Medicine, 1998, 26, 549-554.	1.9	271
25	A standardized method for assessment of elbow function. Journal of Shoulder and Elbow Surgery, 1999, 8, 351-354.	1.2	268
26	The effect of anterior cruciate ligament graft fixation site at the tibia on knee stability: Evaluation using a robotic testing system. Arthroscopy - Journal of Arthroscopic and Related Surgery, 1997, 13, 177-182.	1.3	265
27	The Biomechanical Interdependence between the Anterior Cruciate Ligament Replacement Graft and the Medial Meniscus. American Journal of Sports Medicine, 2001, 29, 226-231.	1.9	259
28	The forces in the anterior cruciate ligament and knee kinematics during a simulated pivot shift test: A human cadaveric study using robotic technology. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2000, 16, 633-639.	1.3	258
29	Measurements of nonhomogeneous, directional mechanical properties of articular cartilage in tension. Journal of Biomechanics, 1976, 9, 785-791.	0.9	257
30	A Biomechanical Analysis of Rotator Cuff Deficiency in a Cadaveric Model. American Journal of Sports Medicine, 1996, 24, 286-292.	1.9	252
31	A combined robotic/universal force sensor approach to determine in situ forces of knee ligaments. Journal of Biomechanics, 1996, 29, 1357-1360.	0.9	250
32	Tissue Engineering of Ligament and Tendon Healing. Clinical Orthopaedics and Related Research, 1999, 367, S312-S323.	0.7	247
33	Cell orientation determines the alignment of cell-produced collagenous matrix. Journal of Biomechanics, 2003, 36, 97-102.	0.9	247
34	Treatment of the medial collateral ligament injury. American Journal of Sports Medicine, 1987, 15, 22-29.	1.9	242
35	The Time and History-Dependent Viscoelastic Properties of the Canine Medial Collateral Ligament. Journal of Biomechanical Engineering, 1981, 103, 293-298.	0.6	240
36	Immobility effects on synovial joints. The pathomechanics of joint contracture. Biorheology, 1980, 17, 95-110.	1.2	234

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37	Effect of Capsular Injury on Acromioclavicular Joint Mechanics. Journal of Bone and Joint Surgery - Series A, 2001, 83, 1344-1351.	1.4	232
38	The Importance of Controlled Passive Mobilization on Flexor Tendon Healing: A Biomechanical Study. Acta Orthopaedica, 1981, 52, 615-622.	1.4	230
39	Enhancement of Tendon-Bone Integration of Anterior Cruciate Ligament Grafts with Bone Morphogenetic Protein-2 Gene Transfer. Journal of Bone and Joint Surgery - Series A, 2002, 84, 1123-1131.	1.4	225
40	Biomechanics of Knee Ligaments. American Journal of Sports Medicine, 1999, 27, 533-543.	1.9	223
41	The Effect of Immobilization on Collagen Turnover in Connective Tissue: A Biochemical-Biomechanical Correlation. Acta Orthopaedica, 1982, 53, 325-332.	1.4	215
42	Use of patellar tendon autograft for anterior cruciate ligament reconstruction in the rabbit: A long-term histologic and biomechanical study. Journal of Orthopaedic Research, 1989, 7, 474-485.	1.2	212
43	The effect of axial tibial torque on the function of the anterior cruciate ligament. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2002, 18, 394-398.	1.3	210
44	Effect of growth factors on matrix synthesis by ligament fibroblasts. Journal of Orthopaedic Research, 1997, 15, 18-23.	1.2	207
45	The Use of a Universal Force-Moment Sensor to Determine In-Situ Forces in Ligaments: A New Methodology. Journal of Biomechanical Engineering, 1995, 117, 1-7.	0.6	204
46	The effect of rotator cuff tears on reaction forces at the glenohumeral joint. Journal of Orthopaedic Research, 2002, 20, 439-446.	1.2	198
47	Connective tissue response to immobility. Arthritis and Rheumatism, 1975, 18, 257-264.	6.7	197
48	The Use of Robotics Technology to Study Human Joint Kinematics: A New Methodology. Journal of Biomechanical Engineering, 1993, 115, 211-217.	0.6	187
49	Interspecies variation of compressive biomechanical properties of the meniscus. Journal of Biomedical Materials Research Part B, 1995, 29, 823-828.	3.0	183
50	The effects of multiple-strand suture methods on the strength and excision of repaired intrasynovial flexor tendons: A biomechanical study in dogs. Journal of Hand Surgery, 1998, 23, 97-104.	0.7	182
51	An in vitro mechanical and histological study of acute stretching on rabbit tibial nerve. Journal of Orthopaedic Research, 1990, 8, 694-701.	1.2	178
52	Collagen Cross-Linking Alterations in Joint Contractures: Changes in the Reducible Cross-Links in Periarticular Connective Tissue Collagen After Nine Weeks of Immobilization. Connective Tissue Research, 1977, 5, 15-19.	1.1	176
53	The mechanical properties of skeletally mature rabbit anterior cruciate ligament and patellar tendon over a range of strain rates. Journal of Orthopaedic Research, 1993, 11, 58-67.	1.2	176
54	Effect of growth factors on the proliferation of fibroblasts from the medial collateral and anterior cruciate ligaments. Journal of Orthopaedic Research, 1995, 13, 184-190.	1.2	175

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55	A Multidisciplinary Study of the Healing of an Intraarticular Anterior Cruciate Ligament Graft in a Goat Model. <i>American Journal of Sports Medicine</i> , 2001, 29, 620-626.	1.9	174
56	Functional Evaluation of the Ligaments at the Acromioclavicular Joint during Anteroposterior and Superiorinferior Translation. <i>American Journal of Sports Medicine</i> , 1997, 25, 858-862.	1.9	171
57	Importance of Tibial Slope for Stability of the Posterior Cruciate Ligamentâ€”Deficient Knee. <i>American Journal of Sports Medicine</i> , 2007, 35, 1443-1449.	1.9	170
58	Hamstring graft motion in the femoral bone tunnel when using titanium button/ polyester tape fixation. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 1999, 7, 215-219.	2.3	169
59	Revolutionizing orthopaedic biomaterials: The potential of biodegradable and bioresorbable magnesium-based materials for functional tissue engineering. <i>Journal of Biomechanics</i> , 2014, 47, 1979-1986.	0.9	169
60	Flexor tendon repair. <i>Journal of Orthopaedic Research</i> , 1986, 4, 119-128.	1.2	166
61	Cyclic Mechanical Stretching of Human Tendon Fibroblasts Increases the Production of Prostaglandin E 2 and Levels of Cyclooxygenase Expression: A Novel In Vitro Model Study. <i>Connective Tissue Research</i> , 2003, 44, 128-133.	1.1	163
62	Tensile properties of the medial collateral ligament as a function of age. <i>Journal of Orthopaedic Research</i> , 1986, 4, 133-141.	1.2	158
63	Treatment of the medial collateral ligament injury. <i>American Journal of Sports Medicine</i> , 1987, 15, 15-21.	1.9	158
64	The effects of strain rate on the properties of the medial collateral ligament in skeletally immature and mature rabbits: A biomechanical and histological study. <i>Journal of Orthopaedic Research</i> , 1990, 8, 712-721.	1.2	158
65	Injury and Repair of Ligaments and Tendons. <i>Annual Review of Biomedical Engineering</i> , 2000, 2, 83-118.	5.7	158
66	Healing and Repair of Ligament Injuries in the Knee. <i>Journal of the American Academy of Orthopaedic Surgeons</i> , The, 2000, 8, 364-372.	1.1	156
67	On the viscoelastic properties of the anteromedial bundle of the anterior cruciate ligament. <i>Journal of Biomechanics</i> , 1993, 26, 447-452.	0.9	149
68	The effects of refreezing on the viscoelastic and tensile properties of ligaments. <i>Journal of Biomechanics</i> , 2006, 39, 1153-1157.	0.9	147
69	A three-dimensional finite element model of the human anterior cruciate ligament: a computational analysis with experimental validation. <i>Journal of Biomechanics</i> , 2004, 37, 383-390.	0.9	136
70	An Improved Method to Analyze the Stress Relaxation of Ligaments Following a Finite Ramp Time Based on the Quasi-Linear Viscoelastic Theory. <i>Journal of Biomechanical Engineering</i> , 2004, 126, 92-97.	0.6	135
71	Determination of their situ forces and force distribution within the human anterior cruciate ligament. <i>Annals of Biomedical Engineering</i> , 1995, 23, 467-474.	1.3	134
72	Determination of the In Situ Forces in the Human Posterior Cruciate Ligament Using Robotic Technology. <i>American Journal of Sports Medicine</i> , 1998, 26, 395-401.	1.9	134

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73	A Functional Comparison of Animal Anterior Cruciate Ligament Models to the Human Anterior Cruciate Ligament. <i>Annals of Biomedical Engineering</i> , 1998, 26, 345-352.	1.3	131
74	A quantitative analysis of valgus torque on the ACL: A human cadaveric study. <i>Journal of Orthopaedic Research</i> , 2003, 21, 1107-1112.	1.2	130
75	A Comparison of the Physical Behavior of Normal Articular Cartilage and the Arthroplasty Surface. <i>Journal of Bone and Joint Surgery - Series A</i> , 1972, 54, 147-160.	1.4	130
76	Effect of Growth Factors on the Proliferation of Ligament Fibroblasts from Skeletally Mature Rabbits. <i>Connective Tissue Research</i> , 1997, 36, 1-8.	1.1	128
77	Determination of the in situ loads on the human anterior cruciate ligament. <i>Journal of Orthopaedic Research</i> , 1993, 11, 686-695.	1.2	126
78	The Effects of Rigidity of Internal Fixation Plates on Long Bone Remodeling: A Bio Mechanical and Quantitative Histological Study. <i>Acta Orthopaedica</i> , 1976, 47, 241-249.	1.4	124
79	Injury and repair of the musculoskeletal soft tissues. Savannah, Georgia, June 18-20, 1987. <i>Journal of Orthopaedic Research</i> , 1988, 6, 907-931.	1.2	123
80	Inflammatory Response of Human Tendon Fibroblasts to Cyclic Mechanical Stretching. <i>American Journal of Sports Medicine</i> , 2004, 32, 435-440.	1.9	122
81	Evaluation of a new injury model to study medial collateral ligament healing: Primary repair versus nonoperative treatment. <i>Journal of Orthopaedic Research</i> , 1991, 9, 516-528.	1.2	121
82	Shoulder muscle forces and tendon excursions during glenohumeral abduction in the scapular plane. <i>Journal of Shoulder and Elbow Surgery</i> , 1995, 4, 199-208.	1.2	121
83	Relative contribution of the ACL, MCL, and bony contact to the anterior stability of the knee. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 1999, 7, 93-97.	2.3	121
84	A New Method for Determining Cross-Sectional Shape and Area of Soft Tissues. <i>Journal of Biomechanical Engineering</i> , 1988, 110, 110-114.	0.6	119
85	Effect of combined axial compressive and anterior tibial loads on in situ forces in the anterior cruciate ligament: A porcine study. <i>Journal of Orthopaedic Research</i> , 1998, 16, 122-127.	1.2	117
86	The Effects of a Popliteus Muscle Load on In Situ Forces in the Posterior Cruciate Ligament and on Knee Kinematics. <i>American Journal of Sports Medicine</i> , 1998, 26, 669-673.	1.9	117
87	The use of porcine small intestinal submucosa to enhance the healing of the medial collateral ligament—a functional tissue engineering study in rabbits. <i>Journal of Orthopaedic Research</i> , 2004, 22, 214-220.	1.2	116
88	Forces and moments in six-DOF at the human knee joint: Mathematical description for control. <i>Journal of Biomechanics</i> , 1996, 29, 1577-1585.	0.9	114
89	In-situ force in the medial and lateral structures of intact and ACL-deficient knees. <i>Journal of Orthopaedic Science</i> , 2000, 5, 567-571.	0.5	114
90	Biology and Biomechanics of the Anterior Cruciate Ligament. <i>Clinics in Sports Medicine</i> , 1993, 12, 637-670.	0.9	114

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91	The Use of a Laser Micrometer System to Determine the Cross-Sectional Shape and Area of Ligaments: A Comparative Study With Two Existing Methods. <i>Journal of Biomechanical Engineering</i> , 1990, 112, 426-431.	0.6	106
92	Screw Fixation in the Human Sacrum. <i>Spine</i> , 1992, 17, S196-S203.	1.0	104
93	The effects of frequency and duration of controlled passive mobilization on tendon healing. <i>Journal of Orthopaedic Research</i> , 1991, 9, 705-713.	1.2	102
94	Influences of flexor sheath continuity and early motion on tendon healing in dogs. <i>Journal of Hand Surgery</i> , 1990, 15, 69-77.	0.7	100
95	Large deformation nonhomogeneous and directional properties of articular cartilage in uniaxial tension. <i>Journal of Biomechanics</i> , 1979, 12, 437-446.	0.9	99
96	Mechanical behavior of two hamstring graft constructs for reconstruction of the anterior cruciate ligament. <i>Journal of Orthopaedic Research</i> , 2000, 18, 456-461.	1.2	96
97	The effects of increased tension on healing medial collateral ligaments. <i>American Journal of Sports Medicine</i> , 1991, 19, 347-354.	1.9	95
98	Biomechanical function of the human anterior cruciate ligament. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 1994, 10, 140-147.	1.3	93
99	In situ force distribution in the glenohumeral joint capsule during anterior-posterior loading. <i>Journal of Orthopaedic Research</i> , 1999, 17, 769-776.	1.2	93
100	The effects of multiple freeze-thaw cycles on the biomechanical properties of the human bone-patellar tendon-bone allograft. <i>Journal of Orthopaedic Research</i> , 2011, 29, 1193-1198.	1.2	93
101	Role of fascia in maintenance of muscle tension and pressure. <i>Journal of Applied Physiology</i> , 1981, 51, 317-320.	1.2	92
102	Tensile properties of the interosseous membrane of the human forearm. <i>Journal of Orthopaedic Research</i> , 1996, 14, 842-845.	1.2	92
103	Tensile properties of the superior glenohumeral and coracohumeral ligaments. <i>Journal of Shoulder and Elbow Surgery</i> , 1996, 5, 249-254.	1.2	91
104	In situ forces in the posterolateral structures of the knee under posterior tibial loading in the intact and posterior cruciate ligament-deficient knee. <i>Journal of Orthopaedic Research</i> , 1998, 16, 675-681.	1.2	91
105	Biomechanics and anterior cruciate ligament reconstruction. <i>Journal of Orthopaedic Surgery and Research</i> , 2006, 1, 2.	0.9	91
106	Comparative study of the size and shape of human anterior and posterior cruciate ligaments. <i>Journal of Orthopaedic Research</i> , 1995, 13, 429-434.	1.2	89
107	Type V collagen is increased during rabbit medial collateral ligament healing. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2000, 8, 281-285.	2.3	89
108	Role of biomechanics in the understanding of normal, injured, and healing ligaments and tendons. <i>BMC Sports Science, Medicine and Rehabilitation</i> , 2009, 1, 9.	0.7	89

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109	Quantitative histological evaluation of early fracture healing of cortical bones immobilized by stainless steel and composite plates. <i>Calcified Tissue Research</i> , 1975, 19, 27-37.	1.3	88
110	A new dynamic testing apparatus to study glenohumeral joint motion. <i>Journal of Biomechanics</i> , 1995, 28, 869-874.	0.9	88
111	Experimental investigation of reaction forces at the glenohumeral joint during active abduction. <i>Journal of Shoulder and Elbow Surgery</i> , 2000, 9, 409-417.	1.2	88
112	A comparative evaluation of the mechanical properties of the rabbit medial collateral and anterior cruciate ligaments. <i>Journal of Biomechanics</i> , 1992, 25, 377-386.	0.9	87
113	Differences in Torsional Joint Stiffness of the Knee between Genders. <i>American Journal of Sports Medicine</i> , 2006, 34, 765-770.	1.9	87
114	The effect of soft-tissue graft fixation in anterior cruciate ligament reconstruction on graft-tunnel motion under anterior tibial loading. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2002, 18, 960-967.	1.3	86
115	In vitro biomechanical analysis of suture methods for flexor tendon repair. <i>Journal of Orthopaedic Research</i> , 1993, 11, 603-611.	1.2	84
116	Early expression of marker genes in the rabbit medial collateral and anterior cruciate ligaments: The use of different viral vectors and the effects of injury. <i>Journal of Orthopaedic Research</i> , 1999, 17, 37-42.	1.2	83
117	Ageing and sex-related changes in the biomechanical properties of the rabbit medial collateral ligament. <i>Mechanisms of Ageing and Development</i> , 1990, 56, 129-142.	2.2	82
118	Morphologic and biomechanical comparison of tendons used as free grafts. <i>Journal of Hand Surgery</i> , 1993, 18, 76-82.	0.7	82
119	Biomechanics of Knee Ligaments. <i>Journal of Bone and Joint Surgery - Series A</i> , 1993, 75, 1716-1727.	1.4	82
120	Effects of knee flexion on the structural properties of the rabbit femur-anterior cruciate ligament-tibia complex (FATC). <i>Journal of Biomechanics</i> , 1987, 20, 557-563.	0.9	81
121	Dynamic behavior of a biphasic cartilage model under cyclic compressive loading. <i>Journal of Biomechanics</i> , 1995, 28, 357-364.	0.9	81
122	Role of the forearm interosseous ligament: Is it more than just longitudinal load transfer?. <i>Journal of Hand Surgery</i> , 2000, 25, 683-688.	0.7	81
123	Biomechanics of knee ligament healing, repair and reconstruction. <i>Journal of Biomechanics</i> , 1997, 30, 431-439.	0.9	80
124	Use of robotic technology for diarthrodial joint research. <i>Journal of Science and Medicine in Sport</i> , 1999, 2, 283-297.	0.6	79
125	Anterior cruciate ligament tunnel placement: Comparison of insertion site anatomy with the guidelines of a computer-assisted surgical system. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2003, 19, 154-160.	1.3	79
126	Biomechanical Comparison of Tibial Inlay versus Transtibial Techniques for Posterior Cruciate Ligament Reconstruction. <i>American Journal of Sports Medicine</i> , 2004, 32, 587-593.	1.9	79

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127	The effect of initial graft tension on the biomechanical properties of a healing ACL replacement graft: A study in goats. <i>Journal of Orthopaedic Research</i> , 2003, 21, 708-715.	1.2	78
128	Gene Expression by Fibroblasts Seeded on Small Intestinal Submucosa and Subjected to Cyclic Stretching. <i>Tissue Engineering</i> , 2007, 13, 1313-1323.	4.9	78
129	Temperature Dependent Behavior of the Canine Medial Collateral Ligament. <i>Journal of Biomechanical Engineering</i> , 1987, 109, 68-71.	0.6	77
130	Effects of sectioning the posterolateral structures on knee kinematics and in situ forces in the posterior cruciate ligament. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2000, 8, 93-98.	2.3	76
131	Cytokine-induced tendinitis: A preliminary study in rabbits. <i>Journal of Orthopaedic Research</i> , 1999, 17, 168-177.	1.2	71
132	Potential application of graphite fiber and methyl methacrylate resin composites as internal fixation plates. <i>Journal of Biomedical Materials Research Part B</i> , 1974, 8, 321-338.	3.0	70
133	The Effect of Knee Flexion Angle and Application of an Anterior Tibial Load at the Time of Graft Fixation on the Biomechanics of a Posterior Cruciate Ligament-Reconstructed Knee. <i>American Journal of Sports Medicine</i> , 2000, 28, 460-465.	1.9	70
134	A rat model to study the structural properties of the vagina and its supportive tissues. <i>American Journal of Obstetrics and Gynecology</i> , 2005, 192, 80-88.	0.7	70
135	Effects of Knee Flexion Angles for Graft Fixation on Force Distribution in Double-Bundle Anterior Cruciate Ligament Grafts. <i>American Journal of Sports Medicine</i> , 2006, 34, 577-585.	1.9	70
136	Mathematical model of the corneo-scleral shell as applied to intraocular pressure-volume relations and applanation tonometry. <i>Annals of Biomedical Engineering</i> , 1972, 1, 87-98.	1.3	67
137	Long-term effects of porcine small intestine submucosa on the healing of medial collateral ligament: A functional tissue engineering study. <i>Journal of Orthopaedic Research</i> , 2006, 24, 811-819.	1.2	67
138	Evaluation of the effect of joint constraints on their in situ force distribution in the anterior cruciate ligament. <i>Journal of Orthopaedic Research</i> , 1997, 15, 278-284.	1.2	66
139	Effect of the iliotibial band on knee biomechanics during a simulated pivot shift test. <i>Journal of Orthopaedic Research</i> , 2006, 24, 967-973.	1.2	66
140	Application of the u-p Finite Element Method to the Study of Articular Cartilage. <i>Journal of Biomechanical Engineering</i> , 1991, 113, 397-403.	0.6	65
141	Translation from Research to Applications. <i>Tissue Engineering</i> , 2006, 12, 3341-3364.	4.9	65
142	Knee Kinematic Profiles during Drop Landings. <i>Medicine and Science in Sports and Exercise</i> , 2011, 43, 533-541.	0.2	64
143	Measurements of Tibiofemoral Kinematics during Soft and Stiff Drop Landings Using Biplane Fluoroscopy. <i>American Journal of Sports Medicine</i> , 2011, 39, 1714-1723.	1.9	63
144	Interaction between the ACL graft and MCL in a combined ACL+MCL knee injury using a goat model. <i>Acta Orthopaedica</i> , 2000, 71, 387-393.	1.4	62

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145	Collagens in an adult bovine medial collateral ligament: Immunofluorescence localization by confocal microscopy reveals that type XIV collagen predominates at the ligament-bone junction. <i>Matrix Biology</i> , 1995, 14, 743-751.	1.5	61
146	Engineering the healing of the rabbit medial collateral ligament. <i>Medical and Biological Engineering and Computing</i> , 1998, 36, 359-364.	1.6	61
147	A rigid-body method for finding centers of rotation and angular displacements of planar joint motion. <i>Journal of Biomechanics</i> , 1987, 20, 715-721.	0.9	60
148	Ultrastructural morphometry of anterior cruciate and medial collateral ligaments: An experimental study in rabbits. <i>Journal of Orthopaedic Research</i> , 1992, 10, 96-103.	1.2	60
149	The Position of the Tibia during Graft Fixation Affects Knee Kinematics and Graft Forces for Anterior Cruciate Ligament Reconstruction. <i>American Journal of Sports Medicine</i> , 2001, 29, 771-776.	1.9	59
150	An Evaluation of the Quasi-Linear Viscoelastic Properties of the Healing Medial Collateral Ligament in a Goat Model. <i>Annals of Biomedical Engineering</i> , 2004, 32, 329-335.	1.3	59
151	Fiber Kinematics of Small Intestinal Submucosa Under Biaxial and Uniaxial Stretch. <i>Journal of Biomechanical Engineering</i> , 2006, 128, 890-898.	0.6	59
152	Effects of Cell Seeding and Cyclic Stretch on the Fiber Remodeling in an Extracellular Matrix-Derived Bioscaffold. <i>Tissue Engineering - Part A</i> , 2009, 15, 957-963.	1.6	59
153	Skull Osteology As It Affects Halo Pin Placement in Children. <i>Journal of Pediatric Orthopaedics</i> , 1986, 6, 434-436.	0.6	58
154	Perichondrial autograft for articular cartilage Shear modulus of neocartilage studied in rabbits. <i>Acta Orthopaedica</i> , 1987, 58, 510-515.	1.4	58
155	Healing of the medial collateral ligament following a triad injury: A biomechanical and histological study of the knee in rabbits. <i>Journal of Orthopaedic Research</i> , 1992, 10, 485-495.	1.2	58
156	The effects of age on rabbit MCL fibroblast matrix synthesis in response to TGF- β 1 or EGF. <i>Mechanisms of Ageing and Development</i> , 1997, 97, 121-130.	2.2	58
157	Biomechanical and Biochemical Changes in the Periarticular Connective Tissue During Contracture Development in the Immobilized Rabbit Knee. <i>Connective Tissue Research</i> , 1974, 2, 315-323.	1.1	57
158	Effects of Surgical Treatment and Immobilization on the Healing of the Medial Collateral Ligament: A Long-Term Multidisciplinary Study. <i>Connective Tissue Research</i> , 1990, 25, 13-26.	1.1	57
159	Viscoelastic shear properties of the equine medial meniscus. <i>Journal of Orthopaedic Research</i> , 1991, 9, 550-558.	1.2	57
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