

Savio L-Y Woo

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

246
papers

21,776
citations

80
h-index

142
g-index

250
ext. papers

23,137
ext. citations

3.9
avg, IF

6.26
L-index

#	Paper	IF	Citations
246	Design of a new magnesium-based anterior cruciate ligament interference screw using finite element analysis. <i>Journal of Orthopaedic Translation</i> , 2020 , 20, 25-30	4.2	6
245	Biomechanics of the Knee 2020 , 189-218		
244	Evaluation of a magnesium ring device for mechanical augmentation of a ruptured ACL: Finite element analysis. <i>Clinical Biomechanics</i> , 2019 , 68, 122-127	2.2	4
243	Functional Tissue Engineering of Ligament and Tendon Injuries 2019 , 1179-1198		4
242	The Use of a Large Animal Model and Robotic Technology to Validate New Biotherapies for ACL Healing 2017 , 185-196		
241	Magnesium ring device to restore function of a transected anterior cruciate ligament in the goat stifle joint. <i>Journal of Orthopaedic Research</i> , 2016 , 34, 2001-2008	3.8	9
240	Review of Clancy's article on anterior and posterior cruciate ligament reconstruction in rhesus monkeys. <i>Journal of ISAKOS</i> , 2016 , 1, 53-60	1.1	
239	Positive effects of an extracellular matrix hydrogel on rat anterior cruciate ligament fibroblast proliferation and collagen mRNA expression. <i>Journal of Orthopaedic Translation</i> , 2015 , 3, 114-122	4.2	15
238	Measuring In Vivo Joint Motion and Ligament Function: New Developments 2015 , 21-31		
237	Histological characteristics of ligament healing after bio-enhanced repair of the transected goat ACL. <i>Journal of Experimental Orthopaedics</i> , 2015 , 2, 4	2.3	9
236	Orthopedic Research in the Year 2025 2015 , 3203-3216		
235	Revolutionizing orthopaedic biomaterials: The potential of biodegradable and bioresorbable magnesium-based materials for functional tissue engineering. <i>Journal of Biomechanics</i> , 2014 , 47, 1979-86	2.9	137
234	Biomechanical evaluation of the quadriceps tendon autograft for anterior cruciate ligament reconstruction: a cadaveric study. <i>American Journal of Sports Medicine</i> , 2014 , 42, 723-30	6.8	46
233	Tensile properties of the medial patellofemoral ligament: the effect of specimen orientation. <i>Journal of Biomechanics</i> , 2014 , 47, 592-5	2.9	19
232	Measuring In Vivo Joint Motion and Ligament Function: New Developments 2014 , 1-12		
231	Orthopedic Research in the Year 2025 2014 , 1-16		
230	High knee valgus in female subjects does not yield higher knee translations during drop landings: a biplane fluoroscopic study. <i>Journal of Orthopaedic Research</i> , 2013 , 31, 257-67	3.8	10

229	Healing of the goat anterior cruciate ligament after a new suture repair technique and bioscaffold treatment. <i>Tissue Engineering - Part A</i> , 2013 , 19, 2292-9	3.9	22
228	Ligament and Tendon Entesis: Anatomy and Mechanics 2013 , 69-89		2
227	Fiber orientation of the transverse carpal ligament. <i>Clinical Anatomy</i> , 2012 , 25, 478-82	2.5	11
226	Potential of healing a transected anterior cruciate ligament with genetically modified extracellular matrix bioscaffolds in a goat model. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2012 , 20, 1357-65	5.5	56
225	In vivo tibiofemoral kinematics during 4 functional tasks of increasing demand using biplane fluoroscopy. <i>American Journal of Sports Medicine</i> , 2012 , 40, 170-8	6.8	46
224	Orthopaedic Research in the Year 2020 2012 , 1209-1215		1
223	Biomechanical Variation of Double-Bundle Anterior Cruciate Ligament Reconstruction 2012 , 355-361		
222	Relationship of knee shear force and extensor moment on knee translations in females performing drop landings: a biplane fluoroscopy study. <i>Clinical Biomechanics</i> , 2011 , 26, 1019-24	2.2	19
221	Relationship of anterior knee laxity to knee translations during drop landings: a bi-plane fluoroscopy study. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2011 , 19, 653-62	5.5	24
220	Alpha1,3-galactosyltransferase knockout does not alter the properties of porcine extracellular matrix bioscaffolds. <i>Acta Biomaterialia</i> , 2011 , 7, 1719-27	10.8	16
219	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, 1193-8	3.8	71
218	Suture augmentation following ACL injury to restore the function of the ACL, MCL, and medial meniscus in the goat stifle joint. <i>Journal of Biomechanics</i> , 2011 , 44, 1530-5	2.9	22
217	Functional Tissue Engineering of Ligament and Tendon Injuries 2011 , 997-1021		3
216	Knee kinematic profiles during drop landings: a biplane fluoroscopy study. <i>Medicine and Science in Sports and Exercise</i> , 2011 , 43, 533-41	1.2	53
215	Measurements of tibiofemoral kinematics during soft and stiff drop landings using biplane fluoroscopy. <i>American Journal of Sports Medicine</i> , 2011 , 39, 1714-22	6.8	53
214	Biomechanical evaluation of using one hamstrings tendon for ACL reconstruction: a human cadaveric study. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2010 , 18, 11-9	5.5	37
213	Evaluation of bone tunnel placement for suture augmentation of an injured anterior cruciate ligament: effects on joint stability in a goat model. <i>Journal of Orthopaedic Research</i> , 2010 , 28, 1373-9	3.8	17
212	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, 957-63	3.9	58

211	Evaluation of knee stability with use of a robotic system. <i>Journal of Bone and Joint Surgery - Series A</i> , 2009 , 91 Suppl 1, 78-84	5.6	41
210	Tension patterns of the anteromedial and posterolateral grafts in a double-bundle anterior cruciate ligament reconstruction. <i>Journal of Orthopaedic Research</i> , 2009 , 27, 879-84	3.8	34
209	Future of Orthopaedic Sports Medicine and Soft Tissue Healing: The Important Role of Engineering. <i>Cellular and Molecular Bioengineering</i> , 2009 , 2, 448-461	3.9	4
208	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	2.4	66
207	The importance of position and path repeatability on force at the knee during six-DOF joint motion. <i>Medical Engineering and Physics</i> , 2009 , 31, 553-7	2.4	6
206	A subject-specific finite element model of the anterior cruciate ligament. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2008 , 2008, 891-4	0.9	7
205	Positive changes in bone marrow-derived cells in response to culture on an aligned bioscaffold. <i>Tissue Engineering - Part A</i> , 2008 , 14, 1489-95	3.9	24
204	Functional Tissue Engineering of Ligament and Tendon Injuries 2008 , 1206-1231		3
203	Changes in gene expression of matrix constituents with respect to passage of ligament and tendon fibroblasts. <i>Annals of Biomedical Engineering</i> , 2008 , 36, 1927-33	4.7	25
202	Use of a bioscaffold to improve healing of a patellar tendon defect after graft harvest for ACL reconstruction: A study in rabbits. <i>Journal of Orthopaedic Research</i> , 2008 , 26, 255-63	3.8	44
201	Effects of a bioscaffold on collagen fibrillogenesis in healing medial collateral ligament in rabbits. <i>Journal of Orthopaedic Research</i> , 2008 , 26, 1098-104	3.8	35
200	Contribution of Biomechanics to Orthopaedics and Rehabilitation. <i>Journal of Biomechanics</i> , 2007 , 40, S6	2.9	
199	Importance of tibial slope for stability of the posterior cruciate ligament deficient knee. <i>American Journal of Sports Medicine</i> , 2007 , 35, 1443-9	6.8	135
198	Validation of a High-Payload Robotic/UFS Testing System for Studying of Joint Motion 2007 , 639		
197	Gene expression by fibroblasts seeded on small intestinal submucosa and subjected to cyclic stretching. <i>Tissue Engineering</i> , 2007 , 13, 1313-23		72
196	Determination of a safe range of knee flexion angles for fixation of the grafts in double-bundle anterior cruciate ligament reconstruction: a human cadaveric study. <i>American Journal of Sports Medicine</i> , 2007 , 35, 1513-20	6.8	35
195	A novel methodology to reproduce previously recorded six-degree of freedom kinematics on the same diarthrodial joint. <i>Journal of Biomechanics</i> , 2006 , 39, 1914-23	2.9	3
194	Estimation of ACL forces by reproducing knee kinematics between sets of knees: A novel non-invasive methodology. <i>Journal of Biomechanics</i> , 2006 , 39, 2371-7	2.9	37

193	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, 811-9	3.8	59
192	Effect of the iliotibial band on knee biomechanics during a simulated pivot shift test. <i>Journal of Orthopaedic Research</i> , 2006 , 24, 967-73	3.8	61
191	Fiber kinematics of small intestinal submucosa under biaxial and uniaxial stretch. <i>Journal of Biomechanical Engineering</i> , 2006 , 128, 890-8	2.1	54
190	A model of stress and strain in the interosseous ligament of the forearm based on fiber network theory. <i>Journal of Biomechanical Engineering</i> , 2006 , 128, 725-32	2.1	5
189	Differences in torsional joint stiffness of the knee between genders: a human cadaveric study. <i>American Journal of Sports Medicine</i> , 2006 , 34, 765-70	6.8	83
188	Treatment with bioscaffold enhances the the fibril morphology and the collagen composition of healing medial collateral ligament in rabbits. <i>Tissue Engineering</i> , 2006 , 12, 159-66		43
187	Translation from research to applications. <i>Tissue Engineering</i> , 2006 , 12, 3341-64		56
186	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, 577-85	6.8	66
185	Anatomical double-bundle anterior cruciate ligament reconstruction after valgus high tibial osteotomy: a biomechanical study. <i>American Journal of Sports Medicine</i> , 2006 , 34, 961-7	6.8	7
184	Biomechanics and anterior cruciate ligament reconstruction. <i>Journal of Orthopaedic Surgery and Research</i> , 2006 , 1, 2	2.8	75
183	Biomechanics of knee ligaments: injury, healing, and repair. <i>Journal of Biomechanics</i> , 2006 , 39, 1-20	2.9	280
182	The effects of refreezing on the viscoelastic and tensile properties of ligaments. <i>Journal of Biomechanics</i> , 2006 , 39, 1153-7	2.9	129
181	The development and validation of a charge-coupled device laser reflectance system to measure the complex cross-sectional shape and area of soft tissues. <i>Journal of Biomechanics</i> , 2006 , 39, 3071-5	2.9	32
180	Treatment with Bioscaffold Enhances the the Fibril Morphology and the Collagen Composition of Healing Medial Collateral Ligament in Rabbits. <i>Tissue Engineering</i> , 2006 , 060127071904006		
179	Biomechanics of initial tibial fixation in posterior cruciate ligament reconstruction. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2005 , 21, 1164-71	5.4	37
178	Summary and Future Directions. <i>Sports Medicine and Arthroscopy Review</i> , 2005 , 13, 177-183	2.5	
177	Basic Science of Ligament Healing:. <i>Sports Medicine and Arthroscopy Review</i> , 2005 , 13, 161-169	2.5	3
176	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, 80-8	6.4	54

175	Downregulation of human type III collagen gene expression by antisense oligodeoxynucleotide. <i>Tissue Engineering</i> , 2005 , 11, 1429-35		6
174	The effectiveness of reconstruction of the anterior cruciate ligament using the novel knot/press-fit technique: a cadaveric study. <i>American Journal of Sports Medicine</i> , 2005 , 33, 856-63	6.8	19
173	Basic Science of Ligaments and Tendons Related to Rehabilitation 2004 , 1-14		
172	Biomechanical comparison of tibial inlay versus transtibial techniques for posterior cruciate ligament reconstruction: analysis of knee kinematics and graft in situ forces. <i>American Journal of Sports Medicine</i> , 2004 , 32, 587-93	6.8	70
171	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, 92-7	2.1	114
170	Inflammatory response of human tendon fibroblasts to cyclic mechanical stretching. <i>American Journal of Sports Medicine</i> , 2004 , 32, 435-40	6.8	109
169	Knee stability and graft function after anterior cruciate ligament reconstruction: a comparison of a lateral and an anatomical femoral tunnel placement. <i>American Journal of Sports Medicine</i> , 2004 , 32, 1825-32	6.8	321
168	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, 383-90	2.9	105
167	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, 329-35	4.7	53
166	Functional tissue engineering for ligament healing: potential of antisense gene therapy. <i>Annals of Biomedical Engineering</i> , 2004 , 32, 342-51	4.7	33
165	Biomechanical function of the posterior horn of the medial meniscus: a human cadaveric study. <i>Journal of Orthopaedic Science</i> , 2004 , 9, 280-4	1.6	24
164	Distribution of in situ forces in the anterior cruciate ligament in response to rotatory loads. <i>Journal of Orthopaedic Research</i> , 2004 , 22, 85-9	3.8	506
163	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, 214-20	3.8	107
162	Effects of increasing tibial slope on the biomechanics of the knee. <i>American Journal of Sports Medicine</i> , 2004 , 32, 376-82	6.8	506
161	Experimental and Computational Modeling of Joint and Ligament Mechanics. <i>Journal of Applied Biomechanics</i> , 2004 , 20, 450-474	1.2	4
160	Effect of Arthroscopic Procedures on the Acromioclavicular Joint. <i>Clinical Orthopaedics and Related Research</i> , 2003 , 406, 89-96	2.2	15
159	Measurement of posterior tibial translation in the posterior cruciate ligament-reconstructed knee: significance of the shift in the reference position. <i>American Journal of Sports Medicine</i> , 2003 , 31, 843-8	6.8	21
158	Ligament Healing: Present Status and the Future of Functional Tissue Engineering 2003 , 17-34		1

157	A biomechanical and histological evaluation of the structure and function of the healing medial collateral ligament in a goat model. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2003 , 11, 155-62	5.5	29
156	Tensile properties of an anterior cruciate ligament graft after bone-patellar tendon-bone press-fit fixation. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2003 , 11, 68-74	5.5	43
155	Cell orientation determines the alignment of cell-produced collagenous matrix. <i>Journal of Biomechanics</i> , 2003 , 36, 97-102	2.9	220
154	The healing medial collateral ligament following a combined anterior cruciate and medial collateral ligament injury--a biomechanical study in a goat model. <i>Journal of Orthopaedic Research</i> , 2003 , 21, 1124-30	3.8	32
153	A quantitative analysis of valgus torque on the ACL: a human cadaveric study. <i>Journal of Orthopaedic Research</i> , 2003 , 21, 1107-12	3.8	110
152	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, 708-15	3.8	69
151	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, 154-60	5.4	70
150	Knee stability and graft function following anterior cruciate ligament reconstruction: Comparison between 11 o'clock and 10 o'clock femoral tunnel placement. 2002 Richard O'Connor Award paper. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2003 , 19, 297-304	5.4	565
149	Anatomic parameters for planning of interosseous ligament reconstruction using computer-assisted techniques. <i>Journal of Hand Surgery</i> , 2003 , 28, 111-6	2.6	32
148	Cyclic mechanical stretching of human tendon fibroblasts increases the production of prostaglandin E2 and levels of cyclooxygenase expression: a novel in vitro model study. <i>Connective Tissue Research</i> , 2003 , 44, 128-33	3.3	143
147	Antisense oligonucleotides reduce synthesis of procollagen alpha1 (V) chain in human patellar tendon fibroblasts: potential application in healing ligaments and tendons. <i>Connective Tissue Research</i> , 2003 , 44, 167-72	3.3	24
146	Biomechanics of Ligaments: From Molecular Biology to Joint Function 2003 , 13-35		
145	Response of donor and recipient cells after transplantation of cells to the ligament and tendon. <i>Microscopy Research and Technique</i> , 2002 , 58, 34-8	2.8	36
144	Fate of donor bone marrow cells in medial collateral ligament after simulated autologous transplantation. <i>Microscopy Research and Technique</i> , 2002 , 58, 39-44	2.8	52
143	The effect of rotator cuff tears on reaction forces at the glenohumeral joint. <i>Journal of Orthopaedic Research</i> , 2002 , 20, 439-46	3.8	147
142	Biomechanical analysis of an anatomic anterior cruciate ligament reconstruction. <i>American Journal of Sports Medicine</i> , 2002 , 30, 660-6	6.8	793
141	The effect of axial tibial torque on the function of the anterior cruciate ligament: a biomechanical study of a simulated pivot shift test. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2002 , 18, 394-8	5.4	195
140	Accuracy of anterior cruciate ligament tunnel placement with an active robotic system: a cadaveric study. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2002 , 18, 968-73	5.4	19

139	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, 960-7	5.4	76
138	The effectiveness of reconstruction of the anterior cruciate ligament with hamstrings and patellar tendon . A cadaveric study comparing anterior tibial and rotational loads. <i>Journal of Bone and Joint Surgery - Series A</i> , 2002 , 84, 907-14	5.6	396
137	Enhancement of tendon-bone integration of anterior cruciate ligament grafts with bone morphogenetic protein-2 gene transfer: a histological and biomechanical study. <i>Journal of Bone and Joint Surgery - Series A</i> , 2002 , 84, 1123-31	5.6	187
136	The biomechanical interdependence between the anterior cruciate ligament replacement graft and the medial meniscus. <i>American Journal of Sports Medicine</i> , 2001 , 29, 226-31	6.8	216
135	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, 771-6	6.8	54
134	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, 620-6	6.8	151
133	Structure and function of the healing medial collateral ligament in a goat model. <i>Annals of Biomedical Engineering</i> , 2001 , 29, 173-80	4.7	37
132	Anatomy and biomechanics of the posterior cruciate ligament and posterolateral corner. <i>Operative Techniques in Sports Medicine</i> , 2001 , 9, 39-46	0.4	7
131	Precision of ACL Tunnel Placement Using Traditional and Robotic Techniques. <i>Computer Aided Surgery</i> , 2001 , 6, 270-278		50
130	Effect of capsular injury on acromioclavicular joint mechanics. <i>Journal of Bone and Joint Surgery - Series A</i> , 2001 , 83, 1344-51	5.6	197
129	Ligaments of the Knee in Sports Injuries and Rehabilitation 2001 , 1-10		
128	Biomechanics of the Posterior Cruciate Ligament-Deficient Knee. <i>Techniques in Orthopaedics</i> , 2001 , 16, 109-118	0.4	1
127	Anatomy and Biomechanics of the Posterior Cruciate Ligament 2001 , 3-22		1
126	Biomechanical analysis of a double-bundle posterior cruciate ligament reconstruction. <i>American Journal of Sports Medicine</i> , 2000 , 28, 144-51	6.8	297
125	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, 460-5	6.8	63
124	Biomechanical analysis of a posterior cruciate ligament reconstruction. Deficiency of the posterolateral structures as a cause of graft failure. <i>American Journal of Sports Medicine</i> , 2000 , 28, 32-9	6.8	300
123	Importance of the medial meniscus in the anterior cruciate ligament-deficient knee. <i>Journal of Orthopaedic Research</i> , 2000 , 18, 109-15	3.8	303
122	Significance of changes in the reference position for measurements of tibial translation and diagnosis of cruciate ligament deficiency. <i>Journal of Orthopaedic Research</i> , 2000 , 18, 176-82	3.8	26

121	Mechanical behavior of two hamstring graft constructs for reconstruction of the anterior cruciate ligament. <i>Journal of Orthopaedic Research</i> , 2000 , 18, 456-61	3.8	86
120	The effect of the point of application of anterior tibial loads on human knee kinematics. <i>Journal of Biomechanics</i> , 2000 , 33, 1147-52	2.9	17
119	Type V collagen is increased during rabbit medial collateral ligament healing. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2000 , 8, 281-5	5.5	78
118	In-situ force in the medial and lateral structures of intact and ACL-deficient knees. <i>Journal of Orthopaedic Science</i> , 2000 , 5, 567-71	1.6	102
117	THE EFFECTS OF GROWTH FACTORS ON PROLIFERATION AND MATRIX SYNTHESIS OF FIBROBLASTS FROM GOAT MEDIAL COLLATERAL LIGAMENT. <i>Journal of Musculoskeletal Research</i> , 2000 , 04, 257-264	0.1	
116	Interaction between the ACL graft and MCL in a combined ACL+MCL knee injury using a goat model. <i>Acta Orthopaedica</i> , 2000 , 71, 387-93		58
115	Experimental investigation of reaction forces at the glenohumeral joint during active abduction. <i>Journal of Shoulder and Elbow Surgery</i> , 2000 , 9, 409-17	4.3	71
114	Injury and repair of ligaments and tendons. <i>Annual Review of Biomedical Engineering</i> , 2000 , 2, 83-118	12	135
113	Use of robotic technology to study the biomechanics of ligaments and their replacements. <i>Operative Techniques in Orthopaedics</i> , 2000 , 10, 87-91	0.3	6
112	Role of the forearm interosseous ligament: is it more than just longitudinal load transfer?. <i>Journal of Hand Surgery</i> , 2000 , 25, 683-8	2.6	71
111	The forces in the anterior cruciate ligament and knee kinematics during a simulated pivot shift test: A human cadaveric study using robotic technology. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2000 , 16, 633-9	5.4	237
110	Healing and repair of ligament injuries in the knee. <i>Journal of the American Academy of Orthopaedic Surgeons, The</i> , 2000 , 8, 364-72	4.5	126
109	Tissue Engineering of Ligament Healing 2000 , 174-195		2
108	A new methodology to measure load transfer through the forearm using multiple universal force sensors. <i>Journal of Biomechanics</i> , 1999 , 32, 1331-5	2.9	29
107	Improvement of accuracy in a high-capacity, six degree-of-freedom load cell: application to robotic testing of musculoskeletal joints. <i>Annals of Biomedical Engineering</i> , 1999 , 27, 839-43	4.7	17
106	Injury and reconstruction of the anterior cruciate ligament and knee osteoarthritis. <i>Osteoarthritis and Cartilage</i> , 1999 , 7, 110-21	6.2	28
105	Use of robotic technology for diarthrodial joint research. <i>Journal of Science and Medicine in Sport</i> , 1999 , 2, 283-97	4.4	74
104	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	3.8	71

103	Cytokine-induced tendinitis: a preliminary study in rabbits. <i>Journal of Orthopaedic Research</i> , 1999 , 17, 168-77	3.8	62
102	In situ forces in the human posterior cruciate ligament in response to muscle loads: a cadaveric study. <i>Journal of Orthopaedic Research</i> , 1999 , 17, 763-8	3.8	43
101	In situ force distribution in the glenohumeral joint capsule during anterior-posterior loading. <i>Journal of Orthopaedic Research</i> , 1999 , 17, 769-76	3.8	78
100	Effects of tenorrhaphy on the gliding function and tensile properties of partially lacerated canine digital flexor tendons. <i>Journal of Hand Surgery</i> , 1999 , 24, 302-9	2.6	22
99	Quantitative analysis of human cruciate ligament insertions. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 1999 , 15, 741-9	5.4	437
98	Anatomical and Biomechanical Considerations of the PCL. <i>Journal of Sport Rehabilitation</i> , 1999 , 8, 260-278	4	4
97	Tissue engineering of ligament and tendon healing. <i>Clinical Orthopaedics and Related Research</i> , 1999 , S312-23	2.2	212
96	Biomechanics of knee ligaments. <i>American Journal of Sports Medicine</i> , 1999 , 27, 533-43	6.8	197
95	A functional comparison of animal anterior cruciate ligament models to the human anterior cruciate ligament. <i>Annals of Biomedical Engineering</i> , 1998 , 26, 345-52	4.7	114
94	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, 122-7	3.8	100
93	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, 675-81	3.8	84
92	The effects of multiple-strand suture methods on the strength and excursion of repaired intrasynovial flexor tendons: a biomechanical study in dogs. <i>Journal of Hand Surgery</i> , 1998 , 23, 97-104	2.6	163
91	The effects of proximal load on the excursion of autogenous flexor tendon grafts. <i>Journal of Hand Surgery</i> , 1998 , 23, 285-9	2.6	6
90	Biomechanics of the ACL: Measurements of in situ force in the ACL and knee kinematics. <i>Knee</i> , 1998 , 5, 267-288	2.6	45
89	The effects of platelet-derived growth factor-BB on healing of the rabbit medial collateral ligament. An in vivo study. <i>American Journal of Sports Medicine</i> , 1998 , 26, 549-54	6.8	253
88	The effects of a popliteus muscle load on in situ forces in the posterior cruciate ligament and on knee kinematics. A human cadaveric study. <i>American Journal of Sports Medicine</i> , 1998 , 26, 669-73	6.8	110
87	Determination of the in situ forces in the human posterior cruciate ligament using robotic technology. A cadaveric study. <i>American Journal of Sports Medicine</i> , 1998 , 26, 395-401	6.8	119
86	Biologic Intervention in Ligament Healing. <i>Sports Medicine and Arthroscopy Review</i> , 1998 , 6, 74-82	2.5	12

85	Quantitative analysis of collagen fibrils of human cruciate and meniscofemoral ligaments. <i>Clinical Orthopaedics and Related Research</i> , 1998 , 205-11	2.2	35
84	Quantitative anthropometry of the subatlantal cervical longitudinal ligaments. <i>Spine</i> , 1998 , 23, 893-8	3.3	19
83	Functional evaluation of the ligaments at the acromioclavicular joint during anteroposterior and superoinferior translation. <i>American Journal of Sports Medicine</i> , 1997 , 25, 858-62	6.8	152
82	Medial collateral knee ligament healing. Combined medial collateral and anterior cruciate ligament injuries studied in rabbits. <i>Acta Orthopaedica</i> , 1997 , 68, 142-8		43
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