Bruce D Beynnon

List of Publications by Year in Descending Order

178 papers	13,387 citations	57 h-index	113 g-index
181 ext. papers	14,751 ext. citations	4.6 avg, IF	5.98 L-index

#	Paper	IF	Citations
178	Perioperative Family Updates Reduce Anxiety and Improve Satisfaction: A Randomized Controlled Trial. *Journal of Patient-centered Research and Reviews*, **2021**, 8, 107-112	1.5	0
177	Incidence of anterior tibial spine fracture among skiers does not differ with age. *Knee Surgery, Sports Traumatology, Arthroscopy*, **2021**, 1	5.5	
176	The Lateral Femoral Condyle Index Is Not a Risk Factor for Primary Noncontact Anterior Cruciate Ligament Injury. *American Journal of Sports Medicine*, **2021**, 3635465211057271	6.8	
175	Epidemiology of Anterior Cruciate Ligament Tears in the National Football League. *American Journal of Sports Medicine*, **2021**, 49, 1786-1793	6.8	8
174	Skeletal muscle cellular contractile dysfunction after anterior cruciate ligament reconstruction contributes to quadriceps weakness at 6-month follow-up. *Journal of Orthopaedic Research*, **2021**,	3.8	2
173	Association of Geometric Characteristics of Knee Anatomy (Alpha Angle and Intercondylar Notch Type) With Noncontact ACL Injury. *American Journal of Sports Medicine*, **2021**, 49, 2624-2630	6.8	4
172	Articular cartilage thickness changes differ between males and females 4 years following anterior cruciate ligament reconstruction. *Journal of Orthopaedic Research*, **2021**,	3.8	2
171	Clinical-Grade MRI-Based Methods to Identify Combined Anatomic Factors That Predict ACL Injury Risk in Male and Female Athletes. *American Journal of Sports Medicine*, **2021**, 49, 2615-2623	6.8	1
170	Compliance and Fidelity With an Injury Prevention Exercise Program in High School Athletics. *Sports Health*, **2021**, 19417381211043120	4.7	
169	Comparison of Tip- Versus Hub-Oscillating Saw Blade Control in a Total Knee Arthroplasty Model. *Journal of Arthroplasty*, **2020**, 35, 3300-3304	4.4	
168	Utility of Neuromuscular Electrical Stimulation to Preserve Quadriceps Muscle Fiber Size and Contractility After Anterior Cruciate Ligament Injuries and Reconstruction: A Randomized, Sham-Controlled, Blinded Trial. *American Journal of Sports Medicine*, **2020**, 48, 2429-2437	6.8	12
167	A Cyber-Physical System for Near Real-Time Monitoring of At-Home Orthopedic Rehabilitation and Mobile-Based Provider-Patient Communications to Improve Adherence: Development and Formative Evaluation. *JMIR Human Factors*, **2020**, 7, e16605	2.5	2
166	Combined Injury to the ACL and Lateral Meniscus Alters the Geometry of Articular Cartilage and Meniscus Soon After Initial Trauma. *Journal of Orthopaedic Research*, **2020**, 38, 759-767	3.8	8
165	Assessment of Early Gait Recovery After Anterior Approach Compared to Posterior Approach Total Hip Arthroplasty: A Smartphone Accelerometer-Based Study. *Journal of Arthroplasty*, **2020**, 35, 465-470	4.4	7
164	Wrist Fractures in Skiers and Snowboarders: Incidence, Severity, and Risk Factors Over 40 Seasons. *Journal of Hand Surgery*, **2020**, 45, 1037-1046	2.6	2
163	Remote Gait Analysis Using Wearable Sensors Detects Asymmetric Gait Patterns in Patients Recovering from ACL Reconstruction **2019**,		9
162	Implementation of the FIFA 11+ Injury Prevention Program by High School Athletic Teams Did Not Reduce Lower Extremity Injuries: A Cluster Randomized Controlled Trial. *American Journal of Sports Medicine*, **2019**, 47, 2844-2852	6.8	20

161	Resistance training-induced gains in knee extensor strength are related to increased neural cell adhesion molecule expression in older adults with knee osteoarthritis. *BMC Research Notes*, **2019**, 12, 595	2.3	3
160	Radiographic-based measurement of tibiofemoral joint space width and magnetic resonance imaging derived articular cartilage thickness are not related in subjects at risk for post traumatic arthritis of the knee. *Journal of Orthopaedic Research*, **2019**, 37, 1052-1058	3.8	11
159	Risk Factors Associated With a Noncontact Anterior Cruciate Ligament Injury to the Contralateral Knee After Unilateral Anterior Cruciate Ligament Injury in High School and College Female Athletes: A Prospective Study. *American Journal of Sports Medicine*, **2019**, 47, 3347-3355	6.8	9
158	The Arthritis Barrier: Long-Term Effects of ACL Trauma on Knee Joint Health **2019**, 37-50		
157	Open-Source Remote Gait Analysis: A Post-Surgery Patient Monitoring Application. *Scientific Reports*, **2019**, 9, 17966	4.9	15
156	Pregnancy Results in Lasting Changes in Knee Joint Laxity. *PM and R*, **2019**, 11, 117-124	2.2	5
155	"What's my risk of sustaining an ACL injury while playing sports?" A systematic review with meta-analysis. *British Journal of Sports Medicine*, **2019**, 53, 1003-1012	10.3	62
154	Post-Discharge Opioid Prescribing and Use after Common Surgical Procedure. *Journal of the American College of Surgeons*, **2018**, 226, 1004-1012	4.4	108
153	Wearable sensors capture differences in muscle activity and gait patterns during daily activity in patients recovering from ACL reconstruction **2018**,		3
152	Anterior Cruciate Ligament Strain Behavior During Rehabilitation Exercises **2018**, 440-444.e2		1
151	Multivariate Analyses of Risk Factors for Noncontact Anterior Cruciate Ligament Injuries **2018**, 275-287		
150	Moderate-intensity resistance exercise alters skeletal muscle molecular and cellular structure and function in inactive older adults with knee osteoarthritis. *Journal of Applied Physiology*, **2017**, 122, 775-787	3.7	28
149	Characterization of Prepractice Injury Prevention Exercises of High School Athletic Teams. *Sports Health*, **2017**, 9, 511-517	4.7	3
148	Geometric Characteristics of the Knee Are Associated With a Noncontact ACL Injury to the Contralateral Knee After Unilateral ACL Injury in Young Female Athletes. *American Journal of Sports Medicine*, **2017**, 45, 3223-3232	6.8	15
147	Relationship between geometry of the extensor mechanism of the knee and risk of anterior cruciate ligament injury. *Journal of Orthopaedic Research*, **2017**, 35, 965-973	3.8	7
146	Geometric Risk Factors Associated With Noncontact Anterior Cruciate Ligament Graft Rupture. *American Journal of Sports Medicine*, **2016**, 44, 2537-2545	6.8	26
145	Evaluation of an Algorithm to Predict Menstrual-Cycle Phase at the Time of Injury. *Journal of Athletic Training*, **2016**, 51, 47-56	4	8
144	Relationship between synovial fluid biomarkers of articular cartilage metabolism and the patient's perspective of outcome depends on the severity of articular cartilage damage following ACL trauma. *Journal of Orthopaedic Research*, **2016**, 34, 820-7	3.8	14

143	Multivariate Analysis of the Risk Factors for First-Time Noncontact ACL Injury in High School and College Athletes: A Prospective Cohort Study With a Nested, Matched Case-Control Analysis. *American Journal of Sports Medicine*, **2016**, 44, 1492-501	6.8	56
142	Reduced rate of knee extensor torque development in older adults with knee osteoarthritis is associated with intrinsic muscle contractile deficits. *Experimental Gerontology*, **2015**, 72, 16-21	4.5	18
141	Relationship between synovial fluid ARGS-aggrecan fragments, cytokines, MMPs, and TIMPs following acute ACL injury: A cross-sectional study. *Journal of Orthopaedic Research*, **2015**, 33, 1796-803	3.8	8
140	Chronic disuse and skeletal muscle structure in older adults: sex-specific differences and relationships to contractile function. *American Journal of Physiology - Cell Physiology*, **2015**, 308, C932-43	5.4	23
139	A Sex-Stratified Multivariate Risk Factor Model for Anterior Cruciate Ligament Injury. *Journal of Athletic Training*, **2015**, 50, 1094-6	4	6
138	Combined anatomic factors predicting risk of anterior cruciate ligament injury for males and females. *American Journal of Sports Medicine*, **2015**, 43, 839-47	6.8	93
137	Increased slope of the lateral tibial plateau subchondral bone is associated with greater risk of noncontact ACL injury in females but not in males: a prospective cohort study with a nested, matched case-control analysis. *American Journal of Sports Medicine*, **2014**, 42, 1039-48	6.8	103
136	Relationship between isokinetic strength and tibiofemoral joint space width changes after anterior cruciate ligament reconstruction. *American Journal of Sports Medicine*, **2014**, 42, 302-11	6.8	99
135	Geometric profile of the tibial plateau cartilage surface is associated with the risk of non-contact anterior cruciate ligament injury. *Journal of Orthopaedic Research*, **2014**, 32, 61-8	3.8	28
134	Muscle disuse alters skeletal muscle contractile function at the molecular and cellular levels in older adult humans in a sex-specific manner. *Journal of Physiology*, **2014**, 592, 4555-73	3.9	45
133	The Effects of Level of Competition, Sport, and Sex on the Incidence of First-Time Noncontact Anterior Cruciate Ligament Injury. *American Journal of Sports Medicine*, **2014**, 42, 1806-12	6.8	139
132	Changes to the articular cartilage thickness profile of the tibia following anterior cruciate ligament injury. *Osteoarthritis and Cartilage*, **2014**, 22, 1453-60	6.2	19
131	Long-term clinical outcomes, motion, strength, and function after total claviculectomy. *Journal of Shoulder and Elbow Surgery*, **2014**, 23, 236-44	4.3	25
130	A decreased volume of the medial tibial spine is associated with an increased risk of suffering an anterior cruciate ligament injury for males but not females. *Journal of Orthopaedic Research*, **2014**, 32, 1451-7	3.8	42
129	Tibial articular cartilage and meniscus geometries combine to influence female risk of anterior cruciate ligament injury. *Journal of Orthopaedic Research*, **2014**, 32, 1487-94	3.8	43
128	What is the best material for molding casts in children?. *Journal of Pediatric Orthopaedics*, **2014**, 34, 743-8	2.4	9
127	Relationship Between the Risk of Suffering a First-Time Noncontact ACL Injury and Geometry of the Femoral Notch and ACL: A Prospective Cohort Study With a Nested Case-Control Analysis. *American Journal of Sports Medicine*, **2014**, 42, 1796-805	6.8	85
126	Reliability of a new stabilized dynamometer system for the evaluation of hip strength. *Sports Health*, **2013**, 5, 129-36	4.7	11

125	Changes in in vitro compressive contact stress in the rat tibiofemoral joint with varus loading. *Journal of Biomechanics*, **2013**, 46, 1216-20	2.9	5
124	Assessment of early tibiofemoral joint space width changes after anterior cruciate ligament injury and reconstruction: a matched case-control study. *American Journal of Sports Medicine*, **2013**, 41, 769-78	6.8	25
123	Accuracy of calendar-based methods for assigning menstrual cycle phase in women. *Sports Health*, **2013**, 5, 143-9	4.7	37
122	Relationship between markers of type II collagen metabolism and tibiofemoral joint space width changes after ACL injury and reconstruction. *American Journal of Sports Medicine*, **2013**, 41, 779-87	6.8	20
121	A three-dimensional comparison of intramedullary nail constructs for osteopenic supracondylar femur fractures. *Journal of Orthopaedic Trauma*, **2013**, 27, 93-9	3.1	16
120	Response to methodological concerns. *American Journal of Sports Medicine*, **2013**, 41, NP3-6	6.8	
119	Risk factors for anterior cruciate ligament injury: a review of the literature - part 1: neuromuscular and anatomic risk. *Sports Health*, **2012**, 4, 69-78	4.7	168
118	Risk factors for anterior cruciate ligament injury: a review of the literature-part 2: hormonal, genetic, cognitive function, previous injury, and extrinsic risk factors. *Sports Health*, **2012**, 4, 155-61	4.7	91
117	Changes induced by chronic in vivo load alteration in the tibiofemoral joint of mature rabbits. *Journal of Orthopaedic Research*, **2012**, 30, 1413-22	3.8	10
116	The feasibility of randomized controlled trials for early arthritis therapies (Earth) involving acute anterior cruciate ligament tear cohorts. *American Journal of Sports Medicine*, **2012**, 40, 2648-52	6.8	6
115	Cyclic variations in multiplanar knee laxity influence landing biomechanics. *Medicine and Science in Sports and Exercise*, **2012**, 44, 900-9	1.2	29
114	Application of a clinic-based algorithm as a tool to identify female athletes at risk for anterior cruciate ligament injury: a prospective cohort study with a nested, matched case-control analysis. *American Journal of Sports Medicine*, **2012**, 40, 1978-84	6.8	42
113	A prospective evaluation of the Landing Error Scoring System (LESS) as a screening tool for anterior cruciate ligament injury risk. *American Journal of Sports Medicine*, **2012**, 40, 521-6	6.8	128
112	Effect of muscle loads and torque applied to the tibia on the strain behavior of the anterior cruciate ligament: an in vitro investigation. *Clinical Biomechanics*, **2011**, 26, 1005-11	2.2	19
111	Accelerated versus nonaccelerated rehabilitation after anterior cruciate ligament reconstruction: a prospective, randomized, double-blind investigation evaluating knee joint laxity using roentgen stereophotogrammetric analysis. *American Journal of Sports Medicine*, **2011**, 39, 2536-48	6.8	100
110	Knee joint laxity and its cyclic variation influence tibiofemoral motion during weight acceptance. *Medicine and Science in Sports and Exercise*, **2011**, 43, 287-95	1.2	23
109	Variations in varus/valgus and internal/external rotational knee laxity and stiffness across the menstrual cycle. *Journal of Orthopaedic Research*, **2011**, 29, 318-25	3.8	33
108	Age, sex, body anthropometry, and ACL size predict the structural properties of the human anterior cruciate ligament. *Journal of Orthopaedic Research*, **2011**, 29, 993-1001	3.8	48

107	Hip extension, knee flexion paradox: a new mechanism for non-contact ACL injury. *Journal of Biomechanics*, **2011**, 44, 577-85	2.9	63
106	Shallow medial tibial plateau and steep medial and lateral tibial slopes: new risk factors for anterior cruciate ligament injuries. *American Journal of Sports Medicine*, **2010**, 38, 54-62	6.8	260
105	Analyzing glenohumeral torque-rotation response in vivo. *Clinical Biomechanics*, **2010**, 25, 759-64	2.2	6
104	The effect of medial meniscectomy and meniscal allograft transplantation on knee and anterior cruciate ligament biomechanics. *Arthroscopy - Journal of Arthroscopic and Related Surgery*, **2010**, 26, 192-201	5.4	104
103	Effects of increased chronic loading on articular cartilage material properties in the lapine tibio-femoral joint. *Journal of Biomechanics*, **2010**, 43, 2301-8	2.9	29
102	On the Horizon From the ORS. *Journal of the American Academy of Orthopaedic Surgeons, The*, **2010**, 18, 638-641	4.5	
101	Geographic mapping of meniscus and cartilage lesions associated with anterior cruciate ligament injuries. *Journal of Bone and Joint Surgery - Series A*, **2009**, 91, 2094-103	5.6	101
100	IKDC or KOOS? Which measures symptoms and disabilities most important to postoperative articular cartilage repair patients?. *American Journal of Sports Medicine*, **2009**, 37, 1042-3; author reply 1043	6.8	6
99	Sex differences in coupled knee motions during the transition from non-weight bearing to weight bearing. *Journal of Orthopaedic Research*, **2009**, 27, 717-23	3.8	14
98	Degenerative spondylolisthesis in patients with neurogenic claudication effects functional performance and self-reported quality of life. *Spine*, **2009**, 34, 2812-7	3.3	11
97	Total hip arthroplasty with the Secur-Fit and Secur-Fit plus femoral stem design a brief follow-up report at 5 to 10 years. *Journal of Arthroplasty*, **2008**, 23, 670-6	4.4	18
96	Low-load behaviour of the patellar tendon graft and its relevance to the biomechanics of the reconstructed knee. *Clinical Biomechanics*, **2008**, 23, 918-25	2.2	27
95	Varus/valgus and internal/external torsional knee joint stiffness differs between sexes. *American Journal of Sports Medicine*, **2008**, 36, 1380-8	6.8	46
94	The geometry of the tibial plateau and its influence on the biomechanics of the tibiofemoral joint. *Journal of Bone and Joint Surgery - Series A*, **2008**, 90, 2724-34	5.6	282
93	Anatomic alignment, menstrual cycle phase, and the risk of anterior cruciate ligament injury. *Journal of Athletic Training*, **2008**, 43, 541-2	4	11
92	Anterior Cruciate Ligament Strain Behavior During Rehabilitation Exercises **2008**, 501-508		
91	Measurement of varus-valgus and internal-external rotational knee laxities in vivo--Part I: assessment of measurement reliability and bilateral asymmetry. *Journal of Orthopaedic Research*, **2007**, 25, 981-8	3.8	71
90	Measurement of varus-valgus and internal-external rotational knee laxities in vivo--Part II: relationship with anterior-posterior and general joint laxity in males and females. *Journal of Orthopaedic Research*, **2007**, 25, 989-96	3.8	76

89	The effect of coordinate system choice and segment reference on RSA-based knee translation measures. *Journal of Biomechanics*, **2007**, 40, 1417-22	2.9	12
88	The safety and efficacy of a new adjustable plate used for proximal tibial opening wedge osteotomy in the treatment of unicompartmental knee osteoarthrosis. *Journal of Knee Surgery*, **2007**, 20, 6-14	2.4	1
87	Kneeling kinematics after total knee arthroplasty: anterior-posterior contact position of a standard and a high-flex tibial insert design. *Journal of Arthroplasty*, **2007**, 22, 160-5	4.4	40
86	Nonweight-bearing anterior knee laxity is related to anterior tibial translation during transition from nonweight bearing to weight bearing. *Journal of Orthopaedic Research*, **2006**, 24, 516-23	3.8	30
85	A prospective, randomized clinical investigation of the treatment of first-time ankle sprains. *American Journal of Sports Medicine*, **2006**, 34, 1401-12	6.8	110
84	The relationship between menstrual cycle phase and anterior cruciate ligament injury: a case-control study of recreational alpine skiers. *American Journal of Sports Medicine*, **2006**, 34, 757-64	6.8	114
83	Understanding and preventing noncontact anterior cruciate ligament injuries: a review of the Hunt Valley II meeting, January 2005. *American Journal of Sports Medicine*, **2006**, 34, 1512-32	6.8	650
82	Anterior cruciate ligament biology and its relationship to injury forces. *Orthopedic Clinics of North America*, **2006**, 37, 585-91	3.5	25
81	The use of a hydroxyapatite-coated primary stem in revision total hip arthroplasty. *Journal of Arthroplasty*, **2006**, 21, 64-71	4.4	24
80	Intratester and intertester reliability of clinical measures of lower extremity anatomic characteristics: implications for multicenter studies. *Clinical Journal of Sport Medicine*, **2006**, 16, 155-61	3.2	87
79	Material properties of articular cartilage in the rabbit tibial plateau. *Journal of Biomechanics*, **2006**, 39, 2331-7	2.9	40
78	Stabilizing effects of ankle bracing under a combination of inversion and axial compression loading. *Knee Surgery, Sports Traumatology, Arthroscopy*, **2006**, 14, 373-8	5.5	8
77	Are validated questionnaires valid?. *Journal of Bone and Joint Surgery - Series A*, **2006**, 88, 448	5.6	
76	Treatment of anterior cruciate ligament injuries, part I. *American Journal of Sports Medicine*, **2005**, 33, 1579-602	6.8	365
75	Rehabilitation after anterior cruciate ligament reconstruction: a prospective, randomized, double-blind comparison of programs administered over 2 different time intervals. *American Journal of Sports Medicine*, **2005**, 33, 347-59	6.8	193
74	Radiographic measurement of anterior talar translation in the ankle: determination of the most reliable method. *Clinical Biomechanics*, **2005**, 20, 301-6	2.2	47
73	In vivo loads in the medial compartment of the rabbit knee. *Clinical Biomechanics*, **2005**, 20, 1007-9	2.2	8
72	Treatment of anterior cruciate ligament injuries, part 2. *American Journal of Sports Medicine*, **2005**, 33, 1751-67	6.8	197

71	Open- or closed-kinetic chain exercises after anterior cruciate ligament reconstruction?. *Exercise and Sport Sciences Reviews*, **2005**, 33, 134-40	6.7	51
70	Ankle eversion torque response to sudden ankle inversion Torque response in unbraced, braced, and pre-activated situations. *Journal of Orthopaedic Research*, **2005**, 23, 315-21	3.8	20
69	The effect of estradiol and progesterone on knee and ankle joint laxity. *American Journal of Sports Medicine*, **2005**, 33, 1298-304	6.8	96
68	Efficacy of plantar loading parameters during gait in terms of reliability, variability, effect of gender and relationship between contact area and plantar pressure. *Foot and Ankle International*, **2005**, 26, 171-9	2.3	76
67	First-time inversion ankle ligament trauma: the effects of sex, level of competition, and sport on the incidence of injury. *American Journal of Sports Medicine*, **2005**, 33, 1485-91	6.8	102
66	Strain on the anterior cruciate ligament during closed kinetic chain exercises. *Medicine and Science in Sports and Exercise*, **2004**, 36, 935-41	1.2	91
65	In vivo measurement of ligament/tendon strains and forces: a review. *Annals of Biomedical Engineering*, **2004**, 32, 318-28	4.7	115
64	Femoral component sizing in total knee arthroplasty: size matched resection versus flexion space balancing. *Journal of Arthroplasty*, **2004**, 19, 493-7	4.4	24
63	Tibiofemoral kinematic analysis of kneeling after total knee arthroplasty. *Journal of Arthroplasty*, **2004**, 19, 906-10	4.4	49
62	Anterior drawer test for acute anterior talofibular ligament injuries of the ankle. How much load should be applied during the test?. *American Journal of Sports Medicine*, **2003**, 31, 226-32	6.8	53
61	The effects of compressive load and knee joint torque on peak anterior cruciate ligament strains. *American Journal of Sports Medicine*, **2003**, 31, 701-7	6.8	54
60	The effect of anterior cruciate ligament deficiency and functional bracing on translation of the tibia relative to the femur during nonweightbearing and weightbearing. *American Journal of Sports Medicine*, **2003**, 31, 99-105	6.8	45
59	Anatomic rotational relationships of the proximal tibia, distal femur, and patella: implications for rotational alignment in total knee arthroplasty. *Journal of Arthroplasty*, **2003**, 18, 643-8	4.4	74
58	Tibial axis and patellar position relative to the femoral epicondylar axis during squatting. *Journal of Arthroplasty*, **2003**, 18, 1048-55	4.4	85
57	Risk factors for knee ligament trauma. *Journal of Orthopaedic and Sports Physical Therapy*, **2003**, 33, A10-3	4.2	2
56	Chronic anterior cruciate ligament deficiency is associated with increased anterior translation of the tibia during the transition from non-weightbearing to weightbearing. *Journal of Orthopaedic Research*, **2002**, 20, 332-7	3.8	88
55	Measurement of anterior-posterior knee laxity: a comparison of three techniques. *Journal of Orthopaedic Research*, **2002**, 20, 421-6	3.8	62
54	The effect of bracing on proprioception of knees with anterior cruciate ligament injury. *Journal of Orthopaedic and Sports Physical Therapy*, **2002**, 32, 11-5	4.2	54

53	The science of anterior cruciate ligament rehabilitation. *Clinical Orthopaedics and Related Research*, **2002**, 9-20	2.2	74
52	Predictive Factors for Lateral Ankle Sprains: A Literature Review. *Journal of Athletic Training*, **2002**, 37, 376-380	4	166
51	Anterior cruciate ligament replacement: comparison of bone-patellar tendon-bone grafts with two-strand hamstring grafts. A prospective, randomized study. *Journal of Bone and Joint Surgery - Series A*, **2002**, 84, 1503-13	5.6	300
50	The elongation behavior of the anterior cruciate ligament graft in vivo. A long-term follow-up study. *American Journal of Sports Medicine*, **2001**, 29, 161-6	6.8	47
49	Ankle ligament injury risk factors: a prospective study of college athletes. *Journal of Orthopaedic Research*, **2001**, 19, 213-20	3.8	203
48	The relationship between graft tensioning and the anterior-posterior laxity in the anterior cruciate ligament reconstructed goat knee. *Journal of Orthopaedic Research*, **2001**, 19, 841-4	3.8	55
47	A new device to measure knee laxity during weightbearing and non-weightbearing conditions. *Journal of Orthopaedic Research*, **2001**, 19, 1185-91	3.8	52
46	The effect of weightbearing and external loading on anterior cruciate ligament strain. *Journal of Biomechanics*, **2001**, 34, 163-70	2.9	276
45	The gastrocnemius muscle is an antagonist of the anterior cruciate ligament. *Journal of Orthopaedic Research*, **2001**, 19, 1178-84	3.8	144
44	Accuracy and repeatability of Roentgen stereophotogrammetric analysis (RSA) for measuring knee laxity in longitudinal studies. *Journal of Biomechanics*, **2001**, 34, 1355-9	2.9	29
43	A numerical solution to calculate internal-external rotation at the glenohumeral joint. *Clinical Biomechanics*, **2001**, 16, 395-400	2.2	7
42	In vivo technique to quantify the internal-external rotation kinematics of the human glenohumeral joint. *Journal of Orthopaedic Research*, **2000**, 18, 190-4	3.8	10
41	Factors influencing the output of an implantable force transducer. *Journal of Biomechanics*, **2000**, 33, 889-93	2.9	29
40	Modeling the stability of the human glenohumeral joint during external rotation. *Journal of Biomechanics*, **2000**, 33, 345-54	2.9	27
39	The influence of functional knee bracing on the anterior cruciate ligament strain biomechanics in weightbearing and nonweightbearing knees. *American Journal of Sports Medicine*, **2000**, 28, 815-24	6.8	51
38	The benefit of a single-leg strength training program for the muscles around the untrained ankle. *American Journal of Sports Medicine*, **2000**, 28, 568-73	6.8	44
37	Joint position sense is not changed after acute disruption of the anterior cruciate ligament. *Acta Orthopaedica*, **1999**, 70, 194-8		38
36	Sensitivity to changes over time for the IKDC form, the Lysholm score, and the Cincinnati knee score. A prospective study of 120 ACL reconstructed patients with a 2-year follow-up. *Knee Surgery, Sports Traumatology, Arthroscopy*, **1999**, 7, 152-9	5.5	114

35	Alpine ski bindings and injuries. Current findings. *Sports Medicine*, **1999**, 28, 35-48	10.6	75
34	The effect of anterior cruciate ligament trauma and bracing on knee proprioception. *American Journal of Sports Medicine*, **1999**, 27, 150-5	6.8	84
33	Anterior cruciate ligament strain in-vivo: a review of previous work. *Journal of Biomechanics*, **1998**, 31, 519-25	2.9	298
32	Kinematics of the glenohumeral joint with Bankart lesion and repair. *Journal of Orthopaedic Research*, **1998**, 16, 116-21	3.8	29
31	Normal kinematics of the unconstrained glenohumeral joint under coupled moment loads. *Journal of Shoulder and Elbow Surgery*, **1998**, 7, 629-39	4.3	16
30	Knee Injury and Osteoarthritis Outcome Score (KOOS)--development of a self-administered outcome measure. *Journal of Orthopaedic and Sports Physical Therapy*, **1998**, 28, 88-96	4.2	2318
29	The effect of screw insertion torque on tendons fixed with spiked washers. *American Journal of Sports Medicine*, **1998**, 26, 536-9	6.8	16
28	The strain behavior of the anterior cruciate ligament during bicycling. An in vivo study. *American Journal of Sports Medicine*, **1998**, 26, 109-18	6.8	97
27	The transepicondylar axis approximates the optimal flexion axis of the knee. *Clinical Orthopaedics and Related Research*, **1998**, 111-8	2.2	367
26	Evaluation of knee joint laxity and the structural properties of the anterior cruciate ligament graft in the human. A case report. *American Journal of Sports Medicine*, **1997**, 25, 203-6	6.8	38
25	The effect of functional knee bracing on the anterior cruciate ligament in the weightbearing and nonweightbearing knee. *American Journal of Sports Medicine*, **1997**, 25, 353-9	6.8	108
24	Prevention of ACL Injuries. *Journal of Sport Rehabilitation*, **1997**, 6, 80-96	1.7	28
23	Ankle injury risk factors in sports. *Sports Medicine*, **1997**, 23, 69-74	10.6	79
22	The strain behavior of the anterior cruciate ligament during squatting and active flexion-extension. A comparison of an open and a closed kinetic chain exercise. *American Journal of Sports Medicine*, **1997**, 25, 823-9	6.8	210
21	Laxity and flexibility of the ankle following reconstruction with the Chrisman-Snook procedure. *Journal of Orthopaedic Research*, **1997**, 15, 707-11	3.8	25
20	A sagittal plane model of the knee and cruciate ligaments with application of a sensitivity analysis. *Journal of Biomechanical Engineering*, **1996**, 118, 227-39	2.1	68
19	Anterior cruciate ligament injury rehabilitation in athletes. Biomechanical considerations. *Sports Medicine*, **1996**, 22, 54-64	10.6	60
18	Electromyographic latency changes in the ankle musculature during inversion moments. *American Journal of Sports Medicine*, **1996**, 24, 362-9	6.8	100

17	The effect of anterior cruciate ligament graft elongation at the time of implantation on the biomechanical behavior of the graft and knee. *American Journal of Sports Medicine*, **1996**, 24, 608-14	6.8	37
16	Biomechanical assessment of the healing response of the rabbit patellar tendon after removal of its central third. *American Journal of Sports Medicine*, **1995**, 23, 452-7	6.8	37
15	Test-retest reliability of ankle injury risk factors. *American Journal of Sports Medicine*, **1995**, 23, 571-4	6.8	33
14	Anterior cruciate ligament strain behavior during rehabilitation exercises in vivo. *American Journal of Sports Medicine*, **1995**, 23, 24-34	6.8	350
13	A prospective study of ankle injury risk factors. *American Journal of Sports Medicine*, **1995**, 23, 564-70	6.8	354
12	Biomechanical analysis of the ankle anterior drawer test for anterior talofibular ligament injuries. *Journal of Orthopaedic Research*, **1995**, 13, 609-14	3.8	47
11	The relationship between anterior-posterior knee laxity and the structural properties of the patellar tendon graft. A study in canines. *American Journal of Sports Medicine*, **1994**, 22, 812-20	6.8	44
10	An in vitro dynamic evaluation of prophylactic knee braces during lateral impact loading. *American Journal of Sports Medicine*, **1993**, 21, 26-35	6.8	36
9	Isometric versus tension measurements. A comparison for the reconstruction of the anterior cruciate ligament. *American Journal of Sports Medicine*, **1993**, 21, 82-8	6.8	52
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