

# Bruce D Beynnon

## List of Publications by Citations

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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	Knee Injury and Osteoarthritis Outcome Score (KOOS)--development of a self-administered outcome measure. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , <b>1998</b> , 28, 88-96	4.2	2318
177	Understanding and preventing noncontact anterior cruciate ligament injuries: a review of the Hunt Valley II meeting, January 2005. <i>American Journal of Sports Medicine</i> , <b>2006</b> , 34, 1512-32	6.8	650
176	The transepicondylar axis approximates the optimal flexion axis of the knee. <i>Clinical Orthopaedics and Related Research</i> , <b>1998</b> , 111-8	2.2	367
175	Treatment of anterior cruciate ligament injuries, part I. <i>American Journal of Sports Medicine</i> , <b>2005</b> , 33, 1579-602	6.8	365
174	A prospective study of ankle injury risk factors. <i>American Journal of Sports Medicine</i> , <b>1995</b> , 23, 564-70	6.8	354
173	Anterior cruciate ligament strain behavior during rehabilitation exercises in vivo. <i>American Journal of Sports Medicine</i> , <b>1995</b> , 23, 24-34	6.8	350
172	Anterior cruciate ligament replacement: comparison of bone-patellar tendon-bone grafts with two-strand hamstring grafts. A prospective, randomized study. <i>Journal of Bone and Joint Surgery - Series A</i> , <b>2002</b> , 84, 1503-13	5.6	300
171	Anterior cruciate ligament strain in-vivo: a review of previous work. <i>Journal of Biomechanics</i> , <b>1998</b> , 31, 519-25	2.9	298
170	The geometry of the tibial plateau and its influence on the biomechanics of the tibiofemoral joint. <i>Journal of Bone and Joint Surgery - Series A</i> , <b>2008</b> , 90, 2724-34	5.6	282
169	The effect of weightbearing and external loading on anterior cruciate ligament strain. <i>Journal of Biomechanics</i> , <b>2001</b> , 34, 163-70	2.9	276
168	Shallow medial tibial plateau and steep medial and lateral tibial slopes: new risk factors for anterior cruciate ligament injuries. <i>American Journal of Sports Medicine</i> , <b>2010</b> , 38, 54-62	6.8	260
167	Morphometry of the thoracic and lumbar spine related to transpedicular screw placement for surgical spinal fixation. <i>Spine</i> , <b>1988</b> , 13, 27-32	3.3	222
166	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. <i>American Journal of Sports Medicine</i> , <b>1997</b> , 25, 823-9	6.8	210
165	Ankle ligament injury risk factors: a prospective study of college athletes. <i>Journal of Orthopaedic Research</i> , <b>2001</b> , 19, 213-20	3.8	203
164	Treatment of anterior cruciate ligament injuries, part 2. <i>American Journal of Sports Medicine</i> , <b>2005</b> , 33, 1751-67	6.8	197
163	Rehabilitation after anterior cruciate ligament reconstruction: a prospective, randomized, double-blind comparison of programs administered over 2 different time intervals. <i>American Journal of Sports Medicine</i> , <b>2005</b> , 33, 347-59	6.8	193
162	Risk factors for anterior cruciate ligament injury: a review of the literature - part 1: neuromuscular and anatomic risk. <i>Sports Health</i> , <b>2012</b> , 4, 69-78	4.7	168

161	Predictive Factors for Lateral Ankle Sprains: A Literature Review. <i>Journal of Athletic Training</i> , <b>2002</b> , 37, 376-380	4	166
160	The gastrocnemius muscle is an antagonist of the anterior cruciate ligament. <i>Journal of Orthopaedic Research</i> , <b>2001</b> , 19, 1178-84	3.8	144
159	The Effects of Level of Competition, Sport, and Sex on the Incidence of First-Time Noncontact Anterior Cruciate Ligament Injury. <i>American Journal of Sports Medicine</i> , <b>2014</b> , 42, 1806-12	6.8	139
158	A prospective evaluation of the Landing Error Scoring System (LESS) as a screening tool for anterior cruciate ligament injury risk. <i>American Journal of Sports Medicine</i> , <b>2012</b> , 40, 521-6	6.8	128
157	In vivo measurement of ligament/tendon strains and forces: a review. <i>Annals of Biomedical Engineering</i> , <b>2004</b> , 32, 318-28	4.7	115
156	The relationship between menstrual cycle phase and anterior cruciate ligament injury: a case-control study of recreational alpine skiers. <i>American Journal of Sports Medicine</i> , <b>2006</b> , 34, 757-64	6.8	114
155	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. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , <b>1999</b> , 7, 152-9	5.5	114
154	A prospective, randomized clinical investigation of the treatment of first-time ankle sprains. <i>American Journal of Sports Medicine</i> , <b>2006</b> , 34, 1401-12	6.8	110
153	Post-Discharge Opioid Prescribing and Use after Common Surgical Procedure. <i>Journal of the American College of Surgeons</i> , <b>2018</b> , 226, 1004-1012	4.4	108
152	The effect of functional knee bracing on the anterior cruciate ligament in the weightbearing and nonweightbearing knee. <i>American Journal of Sports Medicine</i> , <b>1997</b> , 25, 353-9	6.8	108
151	The effect of medial meniscectomy and meniscal allograft transplantation on knee and anterior cruciate ligament biomechanics. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , <b>2010</b> , 26, 192-201	5.4	104
150	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. <i>American Journal of Sports Medicine</i> , <b>2014</b> , 42, 1039-48	6.8	103
149	First-time inversion ankle ligament trauma: the effects of sex, level of competition, and sport on the incidence of injury. <i>American Journal of Sports Medicine</i> , <b>2005</b> , 33, 1485-91	6.8	102
148	Geographic mapping of meniscus and cartilage lesions associated with anterior cruciate ligament injuries. <i>Journal of Bone and Joint Surgery - Series A</i> , <b>2009</b> , 91, 2094-103	5.6	101
147	Accelerated versus nonaccelerated rehabilitation after anterior cruciate ligament reconstruction: a prospective, randomized, double-blind investigation evaluating knee joint laxity using roentgen stereophotogrammetric analysis. <i>American Journal of Sports Medicine</i> , <b>2011</b> , 39, 2536-48	6.8	100
146	Electromyographic latency changes in the ankle musculature during inversion moments. <i>American Journal of Sports Medicine</i> , <b>1996</b> , 24, 362-9	6.8	100
145	Relationship between isokinetic strength and tibiofemoral joint space width changes after anterior cruciate ligament reconstruction. <i>American Journal of Sports Medicine</i> , <b>2014</b> , 42, 302-11	6.8	99
144	The strain behavior of the anterior cruciate ligament during bicycling. An in vivo study. <i>American Journal of Sports Medicine</i> , <b>1998</b> , 26, 109-18	6.8	97

143	The effect of estradiol and progesterone on knee and ankle joint laxity. <i>American Journal of Sports Medicine</i> , <b>2005</b> , 33, 1298-304	6.8	96
142	Combined anatomic factors predicting risk of anterior cruciate ligament injury for males and females. <i>American Journal of Sports Medicine</i> , <b>2015</b> , 43, 839-47	6.8	93
141	Risk factors for anterior cruciate ligament injury: a review of the literature-part 2: hormonal, genetic, cognitive function, previous injury, and extrinsic risk factors. <i>Sports Health</i> , <b>2012</b> , 4, 155-61	4.7	91
140	Strain on the anterior cruciate ligament during closed kinetic chain exercises. <i>Medicine and Science in Sports and Exercise</i> , <b>2004</b> , 36, 935-41	1.2	91
139	Chronic anterior cruciate ligament deficiency is associated with increased anterior translation of the tibia during the transition from non-weightbearing to weightbearing. <i>Journal of Orthopaedic Research</i> , <b>2002</b> , 20, 332-7	3.8	88
138	Depth of insertion of transpedicular vertebral screws into human vertebrae: effect upon screw-vertebra interface strength. <i>Journal of Spinal Disorders</i> , <b>1988</b> , 1, 287-94		88
137	Intratester and intertester reliability of clinical measures of lower extremity anatomic characteristics: implications for multicenter studies. <i>Clinical Journal of Sport Medicine</i> , <b>2006</b> , 16, 155-61	3.2	87
136	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. <i>American Journal of Sports Medicine</i> , <b>2014</b> , 42, 1796-805	6.8	85
135	Tibial axis and patellar position relative to the femoral epicondylar axis during squatting. <i>Journal of Arthroplasty</i> , <b>2003</b> , 18, 1048-55	4.4	85
134	The effect of anterior cruciate ligament trauma and bracing on knee proprioception. <i>American Journal of Sports Medicine</i> , <b>1999</b> , 27, 150-5	6.8	84
133	Ankle injury risk factors in sports. <i>Sports Medicine</i> , <b>1997</b> , 23, 69-74	10.6	79
132	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. <i>Journal of Orthopaedic Research</i> , <b>2007</b> , 25, 989-96	3.8	76
131	Efficacy of plantar loading parameters during gait in terms of reliability, variability, effect of gender and relationship between contact area and plantar pressure. <i>Foot and Ankle International</i> , <b>2005</b> , 26, 171-9	3.3	76
130	Alpine ski bindings and injuries. Current findings. <i>Sports Medicine</i> , <b>1999</b> , 28, 35-48	10.6	75
129	Anatomic rotational relationships of the proximal tibia, distal femur, and patella: implications for rotational alignment in total knee arthroplasty. <i>Journal of Arthroplasty</i> , <b>2003</b> , 18, 643-8	4.4	74
128	The science of anterior cruciate ligament rehabilitation. <i>Clinical Orthopaedics and Related Research</i> , <b>2002</b> , 9-20	2.2	74
127	Measurement of varus-valgus and internal-external rotational knee laxities in vivo--Part I: assessment of measurement reliability and bilateral asymmetry. <i>Journal of Orthopaedic Research</i> , <b>2007</b> , 25, 981-8	3.8	71
126	A sagittal plane model of the knee and cruciate ligaments with application of a sensitivity analysis. <i>Journal of Biomechanical Engineering</i> , <b>1996</b> , 118, 227-39	2.1	68

125	Hip extension, knee flexion paradox: a new mechanism for non-contact ACL injury. <i>Journal of Biomechanics</i> , <b>2011</b> , 44, 577-85	2.9	63
124	Measurement of anterior-posterior knee laxity: a comparison of three techniques. <i>Journal of Orthopaedic Research</i> , <b>2002</b> , 20, 421-6	3.8	62
123	"What's my risk of sustaining an ACL injury while playing sports?" A systematic review with meta-analysis. <i>British Journal of Sports Medicine</i> , <b>2019</b> , 53, 1003-1012	10.3	62
122	Anterior cruciate ligament injury rehabilitation in athletes. Biomechanical considerations. <i>Sports Medicine</i> , <b>1996</b> , 22, 54-64	10.6	60
121	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. <i>American Journal of Sports Medicine</i> , <b>2016</b> , 44, 1492-501	6.8	56
120	The relationship between graft tensioning and the anterior-posterior laxity in the anterior cruciate ligament reconstructed goat knee. <i>Journal of Orthopaedic Research</i> , <b>2001</b> , 19, 841-4	3.8	55
119	The effects of compressive load and knee joint torque on peak anterior cruciate ligament strains. <i>American Journal of Sports Medicine</i> , <b>2003</b> , 31, 701-7	6.8	54
118	The effect of bracing on proprioception of knees with anterior cruciate ligament injury. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , <b>2002</b> , 32, 11-5	4.2	54
117	Anterior drawer test for acute anterior talofibular ligament injuries of the ankle. How much load should be applied during the test?. <i>American Journal of Sports Medicine</i> , <b>2003</b> , 31, 226-32	6.8	53
116	A new device to measure knee laxity during weightbearing and non-weightbearing conditions. <i>Journal of Orthopaedic Research</i> , <b>2001</b> , 19, 1185-91	3.8	52
115	Isometric versus tension measurements. A comparison for the reconstruction of the anterior cruciate ligament. <i>American Journal of Sports Medicine</i> , <b>1993</b> , 21, 82-8	6.8	52
114	Open- or closed-kinetic chain exercises after anterior cruciate ligament reconstruction?. <i>Exercise and Sport Sciences Reviews</i> , <b>2005</b> , 33, 134-40	6.7	51
113	The influence of functional knee bracing on the anterior cruciate ligament strain biomechanics in weightbearing and nonweightbearing knees. <i>American Journal of Sports Medicine</i> , <b>2000</b> , 28, 815-24	6.8	51
112	Tibiofemoral kinematic analysis of kneeling after total knee arthroplasty. <i>Journal of Arthroplasty</i> , <b>2004</b> , 19, 906-10	4.4	49
111	Age, sex, body anthropometry, and ACL size predict the structural properties of the human anterior cruciate ligament. <i>Journal of Orthopaedic Research</i> , <b>2011</b> , 29, 993-1001	3.8	48
110	Radiographic measurement of anterior talar translation in the ankle: determination of the most reliable method. <i>Clinical Biomechanics</i> , <b>2005</b> , 20, 301-6	2.2	47
109	The elongation behavior of the anterior cruciate ligament graft in vivo. A long-term follow-up study. <i>American Journal of Sports Medicine</i> , <b>2001</b> , 29, 161-6	6.8	47
108	Biomechanical analysis of the ankle anterior drawer test for anterior talofibular ligament injuries. <i>Journal of Orthopaedic Research</i> , <b>1995</b> , 13, 609-14	3.8	47

107	Varus/valgus and internal/external torsional knee joint stiffness differs between sexes. <i>American Journal of Sports Medicine</i> , <b>2008</b> , 36, 1380-8	6.8	46
106	Muscle disuse alters skeletal muscle contractile function at the molecular and cellular levels in older adult humans in a sex-specific manner. <i>Journal of Physiology</i> , <b>2014</b> , 592, 4555-73	3.9	45
105	The effect of anterior cruciate ligament deficiency and functional bracing on translation of the tibia relative to the femur during nonweightbearing and weightbearing. <i>American Journal of Sports Medicine</i> , <b>2003</b> , 31, 99-105	6.8	45
104	The relationship between anterior-posterior knee laxity and the structural properties of the patellar tendon graft. A study in canines. <i>American Journal of Sports Medicine</i> , <b>1994</b> , 22, 812-20	6.8	44
103	The benefit of a single-leg strength training program for the muscles around the untrained ankle. <i>American Journal of Sports Medicine</i> , <b>2000</b> , 28, 568-73	6.8	44
102	Tibial articular cartilage and meniscus geometries combine to influence female risk of anterior cruciate ligament injury. <i>Journal of Orthopaedic Research</i> , <b>2014</b> , 32, 1487-94	3.8	43
101	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. <i>Journal of Orthopaedic Research</i> , <b>2014</b> , 32, 1451-7	3.8	42
100	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. <i>American Journal of Sports Medicine</i> , <b>2012</b> , 40, 1978-84	6.8	42
99	Kneeling kinematics after total knee arthroplasty: anterior-posterior contact position of a standard and a high-flex tibial insert design. <i>Journal of Arthroplasty</i> , <b>2007</b> , 22, 160-5	4.4	40
98	Material properties of articular cartilage in the rabbit tibial plateau. <i>Journal of Biomechanics</i> , <b>2006</b> , 39, 2331-7	2.9	40
97	Function of the quadriceps and hamstrings muscles in knees with chronic partial deficiency of the anterior cruciate ligament. Isometric and isokinetic evaluation. <i>American Journal of Sports Medicine</i> , <b>1992</b> , 20, 162-8	6.8	40
96	Evaluation of knee joint laxity and the structural properties of the anterior cruciate ligament graft in the human. A case report. <i>American Journal of Sports Medicine</i> , <b>1997</b> , 25, 203-6	6.8	38
95	Joint position sense is not changed after acute disruption of the anterior cruciate ligament. <i>Acta Orthopaedica</i> , <b>1999</b> , 70, 194-8		38
94	Accuracy of calendar-based methods for assigning menstrual cycle phase in women. <i>Sports Health</i> , <b>2013</b> , 5, 143-9	4.7	37
93	Biomechanical assessment of the healing response of the rabbit patellar tendon after removal of its central third. <i>American Journal of Sports Medicine</i> , <b>1995</b> , 23, 452-7	6.8	37
92	The effect of anterior cruciate ligament graft elongation at the time of implantation on the biomechanical behavior of the graft and knee. <i>American Journal of Sports Medicine</i> , <b>1996</b> , 24, 608-14	6.8	37
91	An in vitro dynamic evaluation of prophylactic knee braces during lateral impact loading. <i>American Journal of Sports Medicine</i> , <b>1993</b> , 21, 26-35	6.8	36
90	Dynamic elongation behavior in the medial collateral and anterior cruciate ligaments during lateral impact loading. <i>Journal of Orthopaedic Research</i> , <b>1993</b> , 11, 190-8	3.8	36

89	Variations in varus/valgus and internal/external rotational knee laxity and stiffness across the menstrual cycle. <i>Journal of Orthopaedic Research</i> , <b>2011</b> , 29, 318-25	3.8	33
88	Test-retest reliability of ankle injury risk factors. <i>American Journal of Sports Medicine</i> , <b>1995</b> , 23, 571-4	6.8	33
87	Nonweight-bearing anterior knee laxity is related to anterior tibial translation during transition from nonweight bearing to weight bearing. <i>Journal of Orthopaedic Research</i> , <b>2006</b> , 24, 516-23	3.8	30
86	Cyclic variations in multiplanar knee laxity influence landing biomechanics. <i>Medicine and Science in Sports and Exercise</i> , <b>2012</b> , 44, 900-9	1.2	29
85	Effects of increased chronic loading on articular cartilage material properties in the lapine tibio-femoral joint. <i>Journal of Biomechanics</i> , <b>2010</b> , 43, 2301-8	2.9	29
84	Kinematics of the glenohumeral joint with Bankart lesion and repair. <i>Journal of Orthopaedic Research</i> , <b>1998</b> , 16, 116-21	3.8	29
83	Accuracy and repeatability of Roentgen stereophotogrammetric analysis (RSA) for measuring knee laxity in longitudinal studies. <i>Journal of Biomechanics</i> , <b>2001</b> , 34, 1355-9	2.9	29
82	Factors influencing the output of an implantable force transducer. <i>Journal of Biomechanics</i> , <b>2000</b> , 33, 889-93	2.9	29
81	Moderate-intensity resistance exercise alters skeletal muscle molecular and cellular structure and function in inactive older adults with knee osteoarthritis. <i>Journal of Applied Physiology</i> , <b>2017</b> , 122, 775-787	3.7	28
80	Geometric profile of the tibial plateau cartilage surface is associated with the risk of non-contact anterior cruciate ligament injury. <i>Journal of Orthopaedic Research</i> , <b>2014</b> , 32, 61-8	3.8	28
79	Prevention of ACL Injuries. <i>Journal of Sport Rehabilitation</i> , <b>1997</b> , 6, 80-96	1.7	28
78	Low-load behaviour of the patellar tendon graft and its relevance to the biomechanics of the reconstructed knee. <i>Clinical Biomechanics</i> , <b>2008</b> , 23, 918-25	2.2	27
77	Modeling the stability of the human glenohumeral joint during external rotation. <i>Journal of Biomechanics</i> , <b>2000</b> , 33, 345-54	2.9	27
76	Geometric Risk Factors Associated With Noncontact Anterior Cruciate Ligament Graft Rupture. <i>American Journal of Sports Medicine</i> , <b>2016</b> , 44, 2537-2545	6.8	26
75	Long-term clinical outcomes, motion, strength, and function after total claviclectomy. <i>Journal of Shoulder and Elbow Surgery</i> , <b>2014</b> , 23, 236-44	4.3	25
74	Assessment of early tibiofemoral joint space width changes after anterior cruciate ligament injury and reconstruction: a matched case-control study. <i>American Journal of Sports Medicine</i> , <b>2013</b> , 41, 769-78	6.8	25
73	Laxity and flexibility of the ankle following reconstruction with the Chrisman-Snook procedure. <i>Journal of Orthopaedic Research</i> , <b>1997</b> , 15, 707-11	3.8	25
72	Anterior cruciate ligament biology and its relationship to injury forces. <i>Orthopedic Clinics of North America</i> , <b>2006</b> , 37, 585-91	3.5	25

71	The use of a hydroxyapatite-coated primary stem in revision total hip arthroplasty. <i>Journal of Arthroplasty</i> , <b>2006</b> , 21, 64-71	4.4	24
70	Femoral component sizing in total knee arthroplasty: size matched resection versus flexion space balancing. <i>Journal of Arthroplasty</i> , <b>2004</b> , 19, 493-7	4.4	24
69	Chronic disuse and skeletal muscle structure in older adults: sex-specific differences and relationships to contractile function. <i>American Journal of Physiology - Cell Physiology</i> , <b>2015</b> , 308, C932-43 <sup>5.4</sup>	5.4	23
68	Knee joint laxity and its cyclic variation influence tibiofemoral motion during weight acceptance. <i>Medicine and Science in Sports and Exercise</i> , <b>2011</b> , 43, 287-95	1.2	23
67	Implementation of the FIFA 11+ Injury Prevention Program by High School Athletic Teams Did Not Reduce Lower Extremity Injuries: A Cluster Randomized Controlled Trial. <i>American Journal of Sports Medicine</i> , <b>2019</b> , 47, 2844-2852	6.8	20
66	Relationship between markers of type II collagen metabolism and tibiofemoral joint space width changes after ACL injury and reconstruction. <i>American Journal of Sports Medicine</i> , <b>2013</b> , 41, 779-87	6.8	20
65	Ankle eversion torque response to sudden ankle inversion Torque response in unbraced, braced, and pre-activated situations. <i>Journal of Orthopaedic Research</i> , <b>2005</b> , 23, 315-21	3.8	20
64	Changes to the articular cartilage thickness profile of the tibia following anterior cruciate ligament injury. <i>Osteoarthritis and Cartilage</i> , <b>2014</b> , 22, 1453-60	6.2	19
63	Effect of muscle loads and torque applied to the tibia on the strain behavior of the anterior cruciate ligament: an in vitro investigation. <i>Clinical Biomechanics</i> , <b>2011</b> , 26, 1005-11	2.2	19
62	Reduced rate of knee extensor torque development in older adults with knee osteoarthritis is associated with intrinsic muscle contractile deficits. <i>Experimental Gerontology</i> , <b>2015</b> , 72, 16-21	4.5	18
61	Total hip arthroplasty with the Secur-Fit and Secur-Fit plus femoral stem design a brief follow-up report at 5 to 10 years. <i>Journal of Arthroplasty</i> , <b>2008</b> , 23, 670-6	4.4	18
60	A three-dimensional comparison of intramedullary nail constructs for osteopenic supracondylar femur fractures. <i>Journal of Orthopaedic Trauma</i> , <b>2013</b> , 27, 93-9	3.1	16
59	Normal kinematics of the unconstrained glenohumeral joint under coupled moment loads. <i>Journal of Shoulder and Elbow Surgery</i> , <b>1998</b> , 7, 629-39	4.3	16
58	The effect of screw insertion torque on tendons fixed with spiked washers. <i>American Journal of Sports Medicine</i> , <b>1998</b> , 26, 536-9	6.8	16
57	Geometric Characteristics of the Knee Are Associated With a Noncontact ACL Injury to the Contralateral Knee After Unilateral ACL Injury in Young Female Athletes. <i>American Journal of Sports Medicine</i> , <b>2017</b> , 45, 3223-3232	6.8	15
56	A new halo-vest: rationale, design and biomechanical comparison to standard halo-vest designs. <i>Spine</i> , <b>1988</b> , 13, 228-35	3.3	15
55	Open-Source Remote Gait Analysis: A Post-Surgery Patient Monitoring Application. <i>Scientific Reports</i> , <b>2019</b> , 9, 17966	4.9	15
54	Sex differences in coupled knee motions during the transition from non-weight bearing to weight bearing. <i>Journal of Orthopaedic Research</i> , <b>2009</b> , 27, 717-23	3.8	14

53	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. <i>Journal of Orthopaedic Research</i> , <b>2016</b> , 34, 820-7	3.8	14
52	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. <i>American Journal of Sports Medicine</i> , <b>2020</b> , 48, 2429-2437	6.8	12
51	The effect of coordinate system choice and segment reference on RSA-based knee translation measures. <i>Journal of Biomechanics</i> , <b>2007</b> , 40, 1417-22	2.9	12
50	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. <i>Journal of Orthopaedic Research</i> , <b>2019</b> , 37, 1052-1058	3.8	11
49	Reliability of a new stabilized dynamometer system for the evaluation of hip strength. <i>Sports Health</i> , <b>2013</b> , 5, 129-36	4.7	11
48	Degenerative spondylolisthesis in patients with neurogenic claudication effects functional performance and self-reported quality of life. <i>Spine</i> , <b>2009</b> , 34, 2812-7	3.3	11
47	Anatomic alignment, menstrual cycle phase, and the risk of anterior cruciate ligament injury. <i>Journal of Athletic Training</i> , <b>2008</b> , 43, 541-2	4	11
46	Changes induced by chronic in vivo load alteration in the tibiofemoral joint of mature rabbits. <i>Journal of Orthopaedic Research</i> , <b>2012</b> , 30, 1413-22	3.8	10
45	In vivo technique to quantify the internal-external rotation kinematics of the human glenohumeral joint. <i>Journal of Orthopaedic Research</i> , <b>2000</b> , 18, 190-4	3.8	10
44	Remote Gait Analysis Using Wearable Sensors Detects Asymmetric Gait Patterns in Patients Recovering from ACL Reconstruction <b>2019</b> ,		9
43	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. <i>American Journal of Sports Medicine</i> , <b>2019</b> , 47, 3347-3355	6.8	9
42	What is the best material for molding casts in children?. <i>Journal of Pediatric Orthopaedics</i> , <b>2014</b> , 34, 743-8.4	3.4	9
41	Evaluation of an Algorithm to Predict Menstrual-Cycle Phase at the Time of Injury. <i>Journal of Athletic Training</i> , <b>2016</b> , 51, 47-56	4	8
40	Relationship between synovial fluid ARGS-aggrecan fragments, cytokines, MMPs, and TIMPs following acute ACL injury: A cross-sectional study. <i>Journal of Orthopaedic Research</i> , <b>2015</b> , 33, 1796-803	3.8	8
39	In vivo loads in the medial compartment of the rabbit knee. <i>Clinical Biomechanics</i> , <b>2005</b> , 20, 1007-9	2.2	8
38	Stabilizing effects of ankle bracing under a combination of inversion and axial compression loading. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , <b>2006</b> , 14, 373-8	5.5	8
37	Combined Injury to the ACL and Lateral Meniscus Alters the Geometry of Articular Cartilage and Meniscus Soon After Initial Trauma. <i>Journal of Orthopaedic Research</i> , <b>2020</b> , 38, 759-767	3.8	8
36	Epidemiology of Anterior Cruciate Ligament Tears in the National Football League. <i>American Journal of Sports Medicine</i> , <b>2021</b> , 49, 1786-1793	6.8	8

35	Relationship between geometry of the extensor mechanism of the knee and risk of anterior cruciate ligament injury. <i>Journal of Orthopaedic Research</i> , <b>2017</b> , 35, 965-973	3.8	7
34	A numerical solution to calculate internal-external rotation at the glenohumeral joint. <i>Clinical Biomechanics</i> , <b>2001</b> , 16, 395-400	2.2	7
33	Assessment of Early Gait Recovery After Anterior Approach Compared to Posterior Approach Total Hip Arthroplasty: A Smartphone Accelerometer-Based Study. <i>Journal of Arthroplasty</i> , <b>2020</b> , 35, 465-470	4.4	7
32	A Sex-Stratified Multivariate Risk Factor Model for Anterior Cruciate Ligament Injury. <i>Journal of Athletic Training</i> , <b>2015</b> , 50, 1094-6	4	6
31	Analyzing glenohumeral torque-rotation response in vivo. <i>Clinical Biomechanics</i> , <b>2010</b> , 25, 759-64	2.2	6
30	IKDC or KOOS? Which measures symptoms and disabilities most important to postoperative articular cartilage repair patients?. <i>American Journal of Sports Medicine</i> , <b>2009</b> , 37, 1042-3; author reply 1043	6.8	6
29	The feasibility of randomized controlled trials for early arthritis therapies (Earth) involving acute anterior cruciate ligament tear cohorts. <i>American Journal of Sports Medicine</i> , <b>2012</b> , 40, 2648-52	6.8	6
28	Changes in in vitro compressive contact stress in the rat tibiofemoral joint with varus loading. <i>Journal of Biomechanics</i> , <b>2013</b> , 46, 1216-20	2.9	5
27	Pregnancy Results in Lasting Changes in Knee Joint Laxity. <i>PM and R</i> , <b>2019</b> , 11, 117-124	2.2	5
26	Functional anatomy and biomechanics of the anterior cruciate ligament. <i>Operative Techniques in Sports Medicine</i> , <b>1993</b> , 1, 1-9	0.4	4
25	Association of Geometric Characteristics of Knee Anatomy (Alpha Angle and Intercondylar Notch Type) With Noncontact ACL Injury. <i>American Journal of Sports Medicine</i> , <b>2021</b> , 49, 2624-2630	6.8	4
24	Characterization of Prepractice Injury Prevention Exercises of High School Athletic Teams. <i>Sports Health</i> , <b>2017</b> , 9, 511-517	4.7	3
23	Resistance training-induced gains in knee extensor strength are related to increased neural cell adhesion molecule expression in older adults with knee osteoarthritis. <i>BMC Research Notes</i> , <b>2019</b> , 12, 595	2.3	3
22	Wearable sensors capture differences in muscle activity and gait patterns during daily activity in patients recovering from ACL reconstruction <b>2018</b> ,		3
21	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. <i>JMIR Human Factors</i> , <b>2020</b> , 7, e16605	2.5	2
20	Wrist Fractures in Skiers and Snowboarders: Incidence, Severity, and Risk Factors Over 40 Seasons. <i>Journal of Hand Surgery</i> , <b>2020</b> , 45, 1037-1046	2.6	2
19	Skeletal muscle cellular contractile dysfunction after anterior cruciate ligament reconstruction contributes to quadriceps weakness at 6-month follow-up. <i>Journal of Orthopaedic Research</i> , <b>2021</b> ,	3.8	2
18	Articular cartilage thickness changes differ between males and females 4 years following anterior cruciate ligament reconstruction. <i>Journal of Orthopaedic Research</i> , <b>2021</b> ,	3.8	2

17	Risk factors for knee ligament trauma. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , <b>2003</b> , 33, A10-32	2
16	Anterior Cruciate Ligament Strain Behavior During Rehabilitation Exercises <b>2018</b> , 440-444.e2	1
15	Preventing Ankle Injuries 30-48	1
14	The safety and efficacy of a new adjustable plate used for proximal tibial opening wedge osteotomy in the treatment of unicompartmental knee osteoarthritis. <i>Journal of Knee Surgery</i> , <b>2007</b> , 20, 6-14	2.4 1
13	Clinical-Grade MRI-Based Methods to Identify Combined Anatomic Factors That Predict ACL Injury Risk in Male and Female Athletes. <i>American Journal of Sports Medicine</i> , <b>2021</b> , 49, 2615-2623	6.8 1
12	Perioperative Family Updates Reduce Anxiety and Improve Satisfaction: A Randomized Controlled Trial. <i>Journal of Patient-centered Research and Reviews</i> , <b>2021</b> , 8, 107-112	1.5 0
11	Comparison of Tip- Versus Hub-Oscillating Saw Blade Control in a Total Knee Arthroplasty Model. <i>Journal of Arthroplasty</i> , <b>2020</b> , 35, 3300-3304	4.4
10	Preventing Knee Injuries 49-71	
9	Response to methodological concerns. <i>American Journal of Sports Medicine</i> , <b>2013</b> , 41, NP3-6	6.8
8	Incidence of anterior tibial spine fracture among skiers does not differ with age. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , <b>2021</b> , 1	5.5
7	The Lateral Femoral Condyle Index Is Not a Risk Factor for Primary Noncontact Anterior Cruciate Ligament Injury. <i>American Journal of Sports Medicine</i> , <b>2021</b> , 3635465211057271	6.8
6	Are validated questionnaires valid?. <i>Journal of Bone and Joint Surgery - Series A</i> , <b>2006</b> , 88, 448	5.6
5	Anterior Cruciate Ligament Strain Behavior During Rehabilitation Exercises <b>2008</b> , 501-508	
4	The Arthritis Barrier: Long-Term Effects of ACL Trauma on Knee Joint Health <b>2019</b> , 37-50	
3	On the Horizon From the ORS. <i>Journal of the American Academy of Orthopaedic Surgeons, The</i> , <b>2010</b> , 18, 638-641	4.5
2	Multivariate Analyses of Risk Factors for Noncontact Anterior Cruciate Ligament Injuries <b>2018</b> , 275-287	
1	Compliance and Fidelity With an Injury Prevention Exercise Program in High School Athletics. <i>Sports Health</i> , <b>2021</b> , 19417381211043120	4.7