

Braden C Fleming

List of Publications by Year in descending order

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Version: 2024-02-01

203
papers

11,800
citations

17440

63
h-index

31849

101
g-index

208
all docs

208
docs citations

208
times ranked

6297
citing authors

#	ARTICLE	IF	CITATIONS
1	A2M inhibits inflammatory mediators of chondrocytes by blocking IL-1 β /NF- κ B pathway. Journal of Orthopaedic Research, 2023, 41, 241-248.	2.3	10
2	Automated segmentation of the healed anterior cruciate ligament from T ₂ * relaxometry MRI scans. Journal of Orthopaedic Research, 2023, 41, 649-656.	2.3	1
3	Early MRI-based quantitative outcomes are associated with a positive functional performance trajectory from 6 to 24 months post-ACL surgery. Knee Surgery, Sports Traumatology, Arthroscopy, 2023, 31, 1690-1698.	4.2	6
4	Three-dimensional magnetic resonance imaging analysis shows sex-specific patterns in changes in anterior cruciate ligament cross-sectional area along its length. Journal of Orthopaedic Research, 2023, 41, 771-778.	2.3	3
5	A transfer learning approach for automatic segmentation of the surgically treated anterior cruciate ligament. Journal of Orthopaedic Research, 2022, 40, 277-284.	2.3	18
6	Design Features and Rationale of the BEAR-MOON (Bridge-Enhanced ACL Restoration Multicenter) Trial. Orthopaedic Journal of Sports Medicine, 2022, 10, 232596712110654.	1.7	2
7	Wavelet analysis reveals differential lower limb muscle activity patterns long after anterior cruciate ligament reconstruction. Journal of Biomechanics, 2022, 133, 110957.	2.1	5
8	Psychological Readiness to Return to Sport at 6 Months Is Higher After Bridge-Enhanced ACL Restoration Than Autograft ACL Reconstruction: Results of a Prospective Randomized Clinical Trial. Orthopaedic Journal of Sports Medicine, 2022, 10, 232596712110705.	1.7	8
9	Meniscal Treatment as a Predictor of Worse Articular Cartilage Damage on MRI at 2 Years After ACL Reconstruction: The MOON Nested Cohort. American Journal of Sports Medicine, 2022, 50, 951-961.	4.2	1
10	Reproducibility and postacquisition correction methods for quantitative magnetic resonance imaging of the anterior cruciate ligament (ACL). Journal of Orthopaedic Research, 2022, 40, 2908-2913.	2.3	3
11	Articular cartilage and synovium may be important sources of post-surgical synovial fluid inflammatory mediators. American Journal of Translational Research (discontinued), 2022, 14, 1640-1651.	0.0	0
12	Effects of Male and Female Sex on the Development of Posttraumatic Osteoarthritis in the Porcine Knee After Anterior Cruciate Ligament Surgery. American Journal of Sports Medicine, 2022, 50, 2417-2423.	4.2	3
13	Predicting severity of cartilage damage in a post-traumatic porcine model: Synovial fluid and gait in a support vector machine. PLoS ONE, 2022, 17, e0268198.	2.5	3
14	Evaluation of Graft Tensioning Effects in Anterior Cruciate Ligament Reconstruction between Hamstring and Bone Patellar Tendon Bone Autografts. Journal of Knee Surgery, 2021, 34, 777-783.	1.6	8
15	Long-term outcomes of anterior cruciate ligament reconstruction surgery: 2020 OREF clinical research award paper. Journal of Orthopaedic Research, 2021, 39, 1041-1051.	2.3	6
16	Neuromuscular function in anterior cruciate ligament reconstructed patients at long-term follow-up. Clinical Biomechanics, 2021, 81, 105231.	1.2	5
17	Automated magnetic resonance image segmentation of the anterior cruciate ligament. Journal of Orthopaedic Research, 2021, 39, 831-840.	2.3	25
18	The role of magnetic resonance imaging in evaluating postoperative ACL reconstruction healing and graft mechanical properties: a new criterion for return to play?. Physician and Sportsmedicine, 2021, 49, 123-129.	2.1	8

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19	Bridge-Enhanced Anterior Cruciate Ligament Repair Leads to Greater Limb Asymmetry and Less Cartilage Damage Than Untreated ACL Transection or ACL Reconstruction in the Porcine Model. <i>American Journal of Sports Medicine</i> , 2021, 49, 667-674.	4.2	13
20	Terminal sterilization influences the efficacy of an extracellular matrix-blood composite for treating posttraumatic osteoarthritis in the rat model. <i>Journal of Orthopaedic Research</i> , 2021, , .	2.3	1
21	Peripheral shift in the viable chondrocyte population of the medial femoral condyle after anterior cruciate ligament injury in the porcine knee. <i>PLoS ONE</i> , 2021, 16, e0256765.	2.5	2
22	Regional Differences in Anterior Cruciate Ligament Signal Intensity After Surgical Treatment. <i>American Journal of Sports Medicine</i> , 2021, 49, 3833-3841.	4.2	9
23	Enrichment of inflammatory mediators in the synovial fluid is associated with slower progression of mild to moderate osteoarthritis in the porcine knee. <i>American Journal of Translational Research (discontinued)</i> , 2021, 13, 7667-7676.	0.0	1
24	Earlier Resolution of Symptoms and Return of Function After Bridge-Enhanced Anterior Cruciate Ligament Repair As Compared With Anterior Cruciate Ligament Reconstruction. <i>Orthopaedic Journal of Sports Medicine</i> , 2021, 9, 232596712110525.	1.7	11
25	Effect of Skeletal Maturity on Fixation Techniques for Tibial Eminence Fractures. <i>Orthopaedic Journal of Sports Medicine</i> , 2021, 9, 232596712110494.	1.7	3
26	ACL Size, but Not Signal Intensity, Is Influenced by Sex, Body Size, and Knee Anatomy. <i>Orthopaedic Journal of Sports Medicine</i> , 2021, 9, 232596712110638.	1.7	6
27	Higher Physiologic Platelet Counts in Whole Blood Are Not Associated With Improved ACL Cross-sectional Area or Signal Intensity 6 Months After Bridge-Enhanced ACL Repair. <i>Orthopaedic Journal of Sports Medicine</i> , 2020, 8, 232596712092765.	1.7	2
28	Proteolysis and cartilage development are activated in the synovium after surgical induction of post traumatic osteoarthritis. <i>PLoS ONE</i> , 2020, 15, e0229449.	2.5	11
29	Females Have Earlier Muscle Strength and Functional Recovery After Bridge-Enhanced Anterior Cruciate Ligament Repair. <i>Tissue Engineering - Part A</i> , 2020, 26, 702-711.	3.1	5
30	Bridge-Enhanced Anterior Cruciate Ligament Repair Is Not Inferior to Autograft Anterior Cruciate Ligament Reconstruction at 2 Years: Results of a Prospective Randomized Clinical Trial. <i>American Journal of Sports Medicine</i> , 2020, 48, 1305-1315.	4.2	126
31	Predictors of Radiographic Osteoarthritis 2 to 3 Years After Anterior Cruciate Ligament Reconstruction: Data From the MOON On-site Nested Cohort. <i>Orthopaedic Journal of Sports Medicine</i> , 2019, 7, 232596711986708.	1.7	19
32	Changes in Cross-sectional Area and Signal Intensity of Healing Anterior Cruciate Ligaments and Grafts in the First 2 Years After Surgery. <i>American Journal of Sports Medicine</i> , 2019, 47, 1831-1843.	4.2	25
33	Cartilage Damage Is Related to ACL Stiffness in a Porcine Model of ACL Repair. <i>Journal of Orthopaedic Research</i> , 2019, 37, 2249-2257.	2.3	15
34	Predictors of Healing Ligament Size and Magnetic Resonance Signal Intensity at 6 Months After Bridge-Enhanced Anterior Cruciate Ligament Repair. <i>American Journal of Sports Medicine</i> , 2019, 47, 1361-1369.	4.2	36
35	Synovial fluid proteome changes in ACL injury-induced posttraumatic osteoarthritis: Proteomics analysis of porcine knee synovial fluid. <i>PLoS ONE</i> , 2019, 14, e0212662.	2.5	18
36	Bridge-Enhanced Anterior Cruciate Ligament Repair: Two-Year Results of a First-in-Human Study. <i>Orthopaedic Journal of Sports Medicine</i> , 2019, 7, 232596711882435.	1.7	104

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37	Out of Control. American Journal of Sports Medicine, 2019, 47, 3311-3313.	4.2	0
38	Imaging and Biomechanics. American Journal of Sports Medicine, 2019, 47, 19-21.	4.2	2
39	Anatomic Features of the Tibial Plateau Predict Outcomes of ACL Reconstruction Within 7 Years After Surgery. American Journal of Sports Medicine, 2019, 47, 303-311.	4.2	27
40	Transcriptional profiling of articular cartilage in a porcine model of early post-traumatic osteoarthritis. Journal of Orthopaedic Research, 2018, 36, 318-329.	2.3	29
41	Transcriptional profiling of synovium in a porcine model of early post-traumatic osteoarthritis. Journal of Orthopaedic Research, 2018, 36, 2128-2139.	2.3	23
42	Differences in the Lateral Compartment Joint Space Width After Anterior Cruciate Ligament Reconstruction: Data From the MOON Onsite Cohort. American Journal of Sports Medicine, 2018, 46, 876-882.	4.2	14
43	Preoperative KOOS and SF-36 Scores Are Associated With the Development of Symptomatic Knee Osteoarthritis at 7 Years After Anterior Cruciate Ligament Reconstruction. American Journal of Sports Medicine, 2018, 46, 869-875.	4.2	17
44	Magnetic resonance measurements of tissue quantity and quality using T ₂ * relaxometry predict temporal changes in the biomechanical properties of the healing ACL. Journal of Orthopaedic Research, 2018, 36, 1701-1709.	2.3	32
45	Tibial tunnel widening following anterior cruciate ligament reconstruction: A retrospective seven-year study evaluating the effects of initial graft tensioning and graft selection. Knee, 2018, 25, 1107-1114.	1.6	17
46	Reduction of friction by recombinant human proteoglycan 4 in IL-1 β stimulated bovine cartilage explants. Journal of Orthopaedic Research, 2017, 35, 580-589.	2.3	14
47	ACL Graft Tensioning. , 2017, , 289-299.		1
48	Bench-to-bedside: Bridge-enhanced anterior cruciate ligament repair. Journal of Orthopaedic Research, 2017, 35, 2606-2612.	2.3	42
49	Sensitivity of ACL volume and T ₂ ρ relaxation time to magnetic resonance imaging scan conditions. Journal of Biomechanics, 2017, 56, 117-121.	2.1	15
50	Intra-articular Recombinant Human Proteoglycan 4 Mitigates Cartilage Damage After Destabilization of the Medial Meniscus in the Yucatan Minipig. American Journal of Sports Medicine, 2017, 45, 1512-1521.	4.2	55
51	Limited Evidence Suggests a Protective Association Between Oral Contraceptive Pill Use and Anterior Cruciate Ligament Injuries in Females: A Systematic Review. Sports Health, 2017, 9, 498-510.	2.7	17
52	Comparison of 2 Radiographic Techniques for Measurement of Tibiofemoral Joint Space Width. Orthopaedic Journal of Sports Medicine, 2017, 5, 232596711772867.	1.7	13
53	Structural and Anatomic Restoration of the Anterior Cruciate Ligament Is Associated With Less Cartilage Damage 1 Year After Surgery: Healing Ligament Properties Affect Cartilage Damage. Orthopaedic Journal of Sports Medicine, 2017, 5, 232596711772388.	1.7	20
54	Conflicted. American Journal of Sports Medicine, 2017, 45, 1727-1729.	4.2	0

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55	Synovial inflammation plays a greater role in post-traumatic osteoarthritis compared to idiopathic osteoarthritis in the Hartley guinea pig knee. <i>BMC Musculoskeletal Disorders</i> , 2017, 18, 556.	1.9	15
56	Extracellular matrixâ€blood composite injection reduces postâ€traumatic osteoarthritis after anterior cruciate ligament injury in the rat. <i>Journal of Orthopaedic Research</i> , 2016, 34, 995-1003.	2.3	19
57	The Bridge-Enhanced Anterior Cruciate Ligament Repair (BEAR) Procedure. <i>Orthopaedic Journal of Sports Medicine</i> , 2016, 4, 232596711667217.	1.7	117
58	Effect of Matching or Overconstraining Knee Laxity During Anterior Cruciate Ligament Reconstruction on Knee Osteoarthritis and Clinical Outcomes. <i>American Journal of Sports Medicine</i> , 2016, 44, 1660-1670.	4.2	32
59	Psychological Factors Associated With Anterior Cruciate Ligament Reconstruction Recovery. <i>Orthopaedic Journal of Sports Medicine</i> , 2016, 4, 232596711663834.	1.7	54
60	Comparison of micro-CT post-processing methods for evaluating the trabecular bone volume fraction in a rat ACL-transection model. <i>Journal of Biomechanics</i> , 2016, 49, 3559-3563.	2.1	5
61	Arthroscopic irrigation of the bovine stifle joint increases cartilage surface friction and decreases superficial zone lubricin. <i>Journal of Biomechanics</i> , 2016, 49, 3106-3110.	2.1	13
62	Return to Play Following Anterior Cruciate Ligament Reconstruction. <i>Clinics in Sports Medicine</i> , 2016, 35, 655-668.	1.8	18
63	Abnormal Mechanical Loading Induces Cartilage Degeneration by Accelerating Meniscus Hypertrophy and Mineralization After ACL Injuries In Vivo. <i>American Journal of Sports Medicine</i> , 2016, 44, 652-663.	4.2	28
64	<i>T</i> ₂ * relaxometry and volume predict semiâ€quantitative histological scoring of an ACL bridgeâ€enhanced primary repair in a porcine model. <i>Journal of Orthopaedic Research</i> , 2015, 33, 1180-1187.	2.3	37
65	Sex Influences the Biomechanical Outcomes of Anterior Cruciate Ligament Reconstruction in a Preclinical Large Animal Model. <i>American Journal of Sports Medicine</i> , 2015, 43, 1623-1631.	4.2	32
66	Addition of Autologous Mesenchymal Stem Cells to Whole Blood for Bioenhanced ACL Repair Has No Benefit in the Porcine Model. <i>American Journal of Sports Medicine</i> , 2015, 43, 320-330.	4.2	23
67	Validation of Porcine Knee as a Sex-specific Model to Study Human Anterior Cruciate Ligament Disorders. <i>Clinical Orthopaedics and Related Research</i> , 2015, 473, 639-650.	1.5	36
68	Electron beam sterilization does not have a detrimental effect on the ability of extracellular matrix scaffolds to support in vivo ligament healing. <i>Journal of Orthopaedic Research</i> , 2015, 33, 1015-1023.	2.3	24
69	Meniscus treatment and age associated with narrower radiographic joint space width 2â€3 years after ACL reconstruction: data from the MOON onsite cohort. <i>Osteoarthritis and Cartilage</i> , 2015, 23, 581-588.	1.3	40
70	Attenuation of cartilage pathogenesis in post-traumatic osteoarthritis (PTOA) in mice by blocking the stromal derived factor 1 receptor (CXCR4) with the specific inhibitor, AMD3100. <i>Journal of Orthopaedic Research</i> , 2015, 33, 1071-1078.	2.3	21
71	MRI Volume and Signal Intensity of ACL Graft Predict Clinical, Functional, and Patient-Oriented Outcome Measures After ACL Reconstruction. <i>American Journal of Sports Medicine</i> , 2015, 43, 693-699.	4.2	78
72	Biomechanical Outcomes of Bridge-enhanced Anterior Cruciate Ligament Repair Are Influenced by Sex in a Preclinical Model. <i>Clinical Orthopaedics and Related Research</i> , 2015, 473, 2599-2608.	1.5	26

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73	The uncertainty of predicting intact anterior cruciate ligament degeneration in terms of structural properties using T_2^* MR relaxometry in a human cadaveric model. Journal of Biomechanics, 2015, 48, 1188-1192.	2.1	15
74	Lubricin deficiency in the murine lumbar intervertebral disc results in elevated torsional apparent modulus. Journal of Biomechanics, 2015, 48, 2210-2213.	2.1	9
75	Effect of low-temperature ethylene oxide and electron beam sterilization on the in vitro and in vivo function of reconstituted extracellular matrix-derived scaffolds. Journal of Biomaterials Applications, 2015, 30, 435-449.	2.4	26
76	Increased platelet concentration does not improve functional graft healing in bio-enhanced ACL reconstruction. Knee Surgery, Sports Traumatology, Arthroscopy, 2015, 23, 1161-1170.	4.2	48
77	Indian Hedgehog in Synovial Fluid Is a Novel Marker for Early Cartilage Lesions in Human Knee Joint. International Journal of Molecular Sciences, 2014, 15, 7250-7265.	4.1	42
78	Identification of α_2 Macroglobulin as a Master Inhibitor of Cartilage Degrading Factors That Attenuates the Progression of Posttraumatic Osteoarthritis. Arthritis and Rheumatology, 2014, 66, 1843-1853.	5.6	66
79	T_2^* MR relaxometry and ligament volume are associated with the structural properties of the healing ACL. Journal of Orthopaedic Research, 2014, 32, 492-499.	2.3	74
80	Time Zero. American Journal of Sports Medicine, 2014, 42, 1531-1533.	4.2	5
81	Disrupting the Indian hedgehog signaling pathway in vivo attenuates surgically induced osteoarthritis progression in Col2a1-CreERT2; lhfl/fl mice. Arthritis Research and Therapy, 2014, 16, R11.	3.5	88
82	Improving the clinical efficiency of T2* mapping of ligament integrity. Journal of Biomechanics, 2014, 47, 2522-2525.	2.1	14
83	Pendulum mass affects the measurement of articular friction coefficient. Journal of Biomechanics, 2013, 46, 615-618.	2.1	8
84	Loss of extracellular matrix from articular cartilage is mediated by the synovium and ligament after anterior cruciate ligament injury. Osteoarthritis and Cartilage, 2013, 21, 1950-1957.	1.3	73
85	Effects of Suture Choice on Biomechanics and Physeal Status After Bioenhanced Anterior Cruciate Ligament Repair in Skeletally Immature Patients: A Large-Animal Study. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2013, 29, 122-132.	2.7	23
86	Automatic determination of an anatomical coordinate system for a three-dimensional model of the human patella. Journal of Biomechanics, 2013, 46, 2093-2096.	2.1	17
87	Animal Models of Osteoarthritis: Challenges of Model Selection and Analysis. AAPS Journal, 2013, 15, 438-446.	4.4	163
88	Kinematic differences between optical motion capture and biplanar videoradiography during a jump cut maneuver. Journal of Biomechanics, 2013, 46, 567-573.	2.1	110
89	Biology of anterior cruciate ligament injury and repair: Kappa delta ann doner vaughn award paper 2013. Journal of Orthopaedic Research, 2013, 31, 1501-1506.	2.3	94
90	Histological Predictors of Maximum Failure Loads Differ Between the Healing ACL and ACL Grafts After 6 and 12 Months In Vivo. Orthopaedic Journal of Sports Medicine, 2013, 1, 232596711351245.	1.7	26

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91	In Situ, Noninvasive, T2*-Weighted MRI-Derived Parameters Predict Ex Vivo Structural Properties of an Anterior Cruciate Ligament Reconstruction or Bioenhanced Primary Repair in a Porcine Model. American Journal of Sports Medicine, 2013, 41, 560-566.	4.2	108
92	Use of a Bioactive Scaffold to Stimulate Anterior Cruciate Ligament Healing Also Minimizes Posttraumatic Osteoarthritis After Surgery. American Journal of Sports Medicine, 2013, 41, 1762-1770.	4.2	178
93	The Effect of Initial Graft Tension After Anterior Cruciate Ligament Reconstruction. American Journal of Sports Medicine, 2013, 41, 25-34.	4.2	58
94	Effects of ACL reconstruction surgery on muscle activity of the lower limb during a jump-cut maneuver in males and females. Journal of Orthopaedic Research, 2013, 31, 1890-1896.	2.3	24
95	Role of lubricin and boundary lubrication in the prevention of chondrocyte apoptosis. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 5852-5857.	7.1	187
96	Knee Biomechanics during a Jump-Cut Maneuver. Medicine and Science in Sports and Exercise, 2013, 45, 942-951.	0.4	47
97	Outcome Assessment for ACL Tissue Engineering. , 2013, , 179-200.		0
98	Bio-enhancement of ACL Graft Healing. , 2013, , 285-299.		0
99	The Biology of the Normal ACL. , 2013, , 63-72.		1
100	In Vitro Models of ACL Injury. , 2013, , 123-137.		0
101	Preventing Friction-induced Chondrocyte Apoptosis: Comparison of Human Synovial Fluid and Hyal G-F 20. Journal of Rheumatology, 2012, 39, 1473-1480.	2.0	27
102	Biomechanical Outcomes After Bioenhanced Anterior Cruciate Ligament Repair and Anterior Cruciate Ligament Reconstruction Are Equal in a Porcine Model. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2012, 28, 672-680.	2.7	110
103	Prevention of cartilage degeneration and gait asymmetry by lubricin tribosupplementation in the rat following anterior cruciate ligament transection. Arthritis and Rheumatism, 2012, 64, 1162-1171.	6.7	77
104	Effects of single-bundle and double-bundle ACL reconstruction on tibiofemoral compressive stresses and joint kinematics during simulated squatting. Knee, 2012, 19, 469-476.	1.6	8
105	A comparative anatomical study of the human knee and six animal species. Knee, 2012, 19, 493-499.	1.6	270
106	Activation of Indian hedgehog promotes chondrocyte hypertrophy and upregulation of MMP-13 in human osteoarthritic cartilage. Osteoarthritis and Cartilage, 2012, 20, 755-763.	1.3	123
107	The impact of forced joint exercise on lubricin biosynthesis from articular cartilage following ACL transection and intra-articular lubricin's effect in exercised joints following ACL transection. Osteoarthritis and Cartilage, 2012, 20, 940-948.	1.3	76
108	Cyclic loading increases friction and changes cartilage surface integrity in lubricin mutant mouse knees. Arthritis and Rheumatism, 2012, 64, 465-473.	6.7	32

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109	Effects of Supplemental Intra-articular Lubricin and Hyaluronic Acid on the Progression of Posttraumatic Arthritis in the Anterior Cruciate Ligamentâ€“Deficient Rat Knee. American Journal of Sports Medicine, 2011, 39, 164-172.	4.2	95
110	Paper # 255: Skeletal Maturity Significantly Affects Functional ACL Healing Using PRP. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2011, 27, e241-e242.	2.7	0
111	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, 1005-1011.	1.2	22
112	Accelerated Versus Nonaccelerated Rehabilitation After Anterior Cruciate Ligament Reconstruction. American Journal of Sports Medicine, 2011, 39, 2536-2548.	4.2	117
113	The use of magnetic resonance imaging to predict ACL graft structural properties. Journal of Biomechanics, 2011, 44, 2843-2846.	2.1	81
114	VEGF receptor mRNA expression by ACL fibroblasts is associated with functional healing of the ACL. Knee Surgery, Sports Traumatology, Arthroscopy, 2011, 19, 1675-1682.	4.2	19
115	Contact area and pressure in suture bridge rotator cuff repair using knotless lateral anchors. Knee Surgery, Sports Traumatology, Arthroscopy, 2011, 19, 1788-1793.	4.2	10
116	Reduced platelet concentration does not harm PRP effectiveness for ACL repair in a porcine in vivo model. Journal of Orthopaedic Research, 2011, 29, 1002-1007.	2.3	83
117	Static and Dynamic Error of a Biplanar Videoradiography System Using Marker-Based and Markerless Tracking Techniques. Journal of Biomechanical Engineering, 2011, 133, 121002.	1.3	98
118	Delayed Gadolinium-Enhanced MR Imaging of Cartilage (dGEMRIC) following ACL injury. Osteoarthritis and Cartilage, 2010, 18, 662-667.	1.3	47
119	Prevention of cartilage degeneration and restoration of chondroprotection by lubricin tribosupplementation in the rat following anterior cruciate ligament transection. Arthritis and Rheumatism, 2010, 62, 2382-2391.	6.7	126
120	Collagen scaffold supplementation does not improve the functional properties of the repaired anterior cruciate ligament. Journal of Orthopaedic Research, 2010, 28, 703-709.	2.3	57
121	Comparison of differential biomarkers of osteoarthritis with and without posttraumatic injury in the Hartley guinea pig model. Journal of Orthopaedic Research, 2010, 28, 900-906.	2.3	72
122	Automatic determination of anatomical coordinate systems for three-dimensional bone models of the isolated human knee. Journal of Biomechanics, 2010, 43, 1623-1626.	2.1	91
123	Effects of increased chronic loading on articular cartilage material properties in the Lapine tibio-femoral joint. Journal of Biomechanics, 2010, 43, 2301-2308.	2.1	34
124	Delay of 2 or 6 Weeks Adversely Affects the Functional Outcome of Augmented Primary Repair of the Porcine Anterior Cruciate Ligament. American Journal of Sports Medicine, 2010, 38, 2528-2534.	4.2	48
125	The Effect of Skeletal Maturity on Functional Healing of the Anterior Cruciate Ligament. Journal of Bone and Joint Surgery - Series A, 2010, 92, 2039-2049.	3.0	87
126	Reliable fusion of knee bone laser scans to establish ground truth for cartilage thickness measurement. Proceedings of SPIE, 2010, , .	0.8	3

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127	Bone-to-Bone Fixation Enhances Functional Healing of the Porcine Anterior Cruciate Ligament Using a Collagen-Platelet Composite. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2010, 26, S49-S57.	2.7	73
128	Quantitative Magnetic Resonance Imaging Detects Changes in Meniscal Volume In Vivo After Partial Meniscectomy. <i>American Journal of Sports Medicine</i> , 2010, 38, 1631-1637.	4.2	14
129	Digital Radiographic Assessment of Tibiofemoral Joint Space Width – A Variance Component Analysis. <i>Journal of Knee Surgery</i> , 2009, 22, 205-212.	1.6	14
130	Collagen-Platelet Composite Enhances Biomechanical and Histologic Healing of the Porcine Anterior Cruciate Ligament. <i>American Journal of Sports Medicine</i> , 2009, 37, 2401-2410.	4.2	159
131	Collagen-Platelet Composites Improve the Biomechanical Properties of Healing Anterior Cruciate Ligament Grafts in a Porcine Model. <i>American Journal of Sports Medicine</i> , 2009, 37, 1554-1563.	4.2	125
132	The use of platelets to affect functional healing of an anterior cruciate ligament (ACL) autograft in a caprine ACL reconstruction model. <i>Journal of Orthopaedic Research</i> , 2009, 27, 631-638.	2.3	63
133	Platelet-rich plasma alone is not sufficient to enhance suture repair of the ACL in skeletally immature animals: An in vivo study. <i>Journal of Orthopaedic Research</i> , 2009, 27, 639-645.	2.3	125
134	Comparison of two methods for calculating the frictional properties of articular cartilage using a simple pendulum and intact mouse knee joints. <i>Journal of Biomechanics</i> , 2009, 42, 1996-1999.	2.1	20
135	Effects of Single-Bundle and Double-Bundle ACL Reconstruction on Tibiofemoral Forces and Joint Kinematics Under Dynamic Loading (SS-42). <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2009, 25, e22-e23.	2.7	0
136	Coefficients of friction, lubricin, and cartilage damage in the anterior cruciate ligament-deficient guinea pig knee. <i>Journal of Orthopaedic Research</i> , 2008, 26, 231-237.	2.3	99
137	Can suture repair of ACL transection restore normal anteroposterior laxity of the knee? An ex vivo study. <i>Journal of Orthopaedic Research</i> , 2008, 26, 1500-1505.	2.3	72
138	Decreased lubricin concentrations and markers of joint inflammation in the synovial fluid of patients with anterior cruciate ligament injury. <i>Arthritis and Rheumatism</i> , 2008, 58, 1707-1715.	6.7	215
139	Measuring fixed charge density of goat articular cartilage using indentation methods and biochemical analysis. <i>Journal of Biomechanics</i> , 2008, 41, 715-720.	2.1	11
140	Effects of ACL interference screws on articular cartilage volume and thickness measurements with 1.5 T and 3 T MRI. <i>Osteoarthritis and Cartilage</i> , 2008, 16, 572-578.	1.3	22
141	Quantitative MR imaging using ¹⁹ F-MRI to measure tibiofemoral articular cartilage thickness. <i>Osteoarthritis and Cartilage</i> , 2008, 16, 1167-1173.	1.3	36
142	Biomechanical comparison of single-row arthroscopic rotator cuff repair technique versus transosseous repair technique. <i>Journal of Shoulder and Elbow Surgery</i> , 2008, 17, 808-814.	2.6	30
143	Tibiofemoral Compression Force Differences Using Laxity- and Force-Based Initial Graft Tensioning Techniques in the Anterior Cruciate Ligament-Reconstructed Cadaveric Knee. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2008, 24, 1052-1060.	2.7	17
144	A Systematic Review of Anterior Cruciate Ligament Reconstruction Rehabilitation – Part I: Continuous Passive Motion, Early Weight Bearing, Postoperative Bracing, and Home-Based Rehabilitation. <i>Journal of Knee Surgery</i> , 2008, 21, 217-224.	1.6	126

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145	A Systematic Review of Anterior Cruciate Ligament Reconstruction Rehabilitation – Part II: Open Versus Closed Kinetic Chain Exercises, Neuromuscular Electrical Stimulation, Accelerated Rehabilitation, and Miscellaneous Topics. <i>Journal of Knee Surgery</i> , 2008, 21, 225-234.	1.6	142
146	The Meniscal Roots: Gross Anatomic Correlation with 3-T MRI Findings. <i>American Journal of Roentgenology</i> , 2007, 188, W446-W450.	2.2	72
147	Effects of Initial Graft Tension on the Tibiofemoral Compressive Forces and Joint Position after Anterior Cruciate Ligament Reconstruction. <i>American Journal of Sports Medicine</i> , 2007, 35, 395-403.	4.2	65
148	In Vitro Evaluation of the Effect Lateral Process Talar Excision on Ankle and Subtalar Joint Stability. <i>Foot and Ankle International</i> , 2007, 28, 78-83.	2.3	42
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