

# Woo, Sl-Y

## List of Publications by Year in descending order

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330  
papers

31,174  
citations

3116

95  
h-index

5873

166  
g-index

341  
all docs

341  
docs citations

341  
times ranked

10905  
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	1.9	11
2	In Memoriam of Yuan-Cheng Bert Fung. <i>Journal of Biomechanics</i> , 2020, 110, 109911.	0.9	0
3	Functional Tissue Engineering of Ligament and Tendon Injuries. , 2019, , 1179-1198.		6
4	A Tribute to Our Centenarian Yuan-Cheng Fung: Father of Modern Biomechanics. <i>Journal of Biomechanical Engineering</i> , 2019, 141, .	0.6	3
5	Evaluation of a magnesium ring device for mechanical augmentation of a ruptured ACL: Finite element analysis. <i>Clinical Biomechanics</i> , 2019, 68, 122-127.	0.5	8
6	The Use of a Large Animal Model and Robotic Technology to Validate New Biotherapies for ACL Healing. , 2017, , 185-196.		0
7	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.	1.2	12
8	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	0
9	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.	1.9	23
10	Measuring In Vivo Joint Motion and Ligament Function: New Developments. , 2015, , 21-31.		0
11	Histological characteristics of ligament healing after bio-enhanced repair of the transected goat ACL. <i>Journal of Experimental Orthopaedics</i> , 2015, 2, 4.	0.8	12
12	Orthopedic Research in the Year 2025. , 2015, , 3203-3216.		0
13	Biomechanical Evaluation of the Quadriceps Tendon Autograft for Anterior Cruciate Ligament Reconstruction. <i>American Journal of Sports Medicine</i> , 2014, 42, 723-730.	1.9	53
14	Tensile properties of the medial patellofemoral ligament: The effect of specimen orientation. <i>Journal of Biomechanics</i> , 2014, 47, 592-595.	0.9	23
15	Revolutionizing orthopaedic biomaterials: The potential of biodegradable and bioresorbable magnesium-based materials for functional tissue engineering. <i>Journal of Biomechanics</i> , 2014, 47, 1979-1986.	0.9	169
16	Measuring In Vivo Joint Motion and Ligament Function: New Developments. , 2014, , 1-12.		0
17	Orthopedic Research in the Year 2025. , 2014, , 1-16.		0
18	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, 257-267.	1.2	13

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19	Healing of the Goat Anterior Cruciate Ligament After a New Suture Repair Technique and Bioscaffold Treatment. <i>Tissue Engineering - Part A</i> , 2013, 19, 2292-2299.	1.6	24
20	Ligament and Tendon Enthesis: Anatomy and Mechanics. , 2013, , 69-89.		2
21	In Vivo Tibiofemoral Kinematics During 4 Functional Tasks of Increasing Demand Using Biplane Fluoroscopy. <i>American Journal of Sports Medicine</i> , 2012, 40, 170-178.	1.9	52
22	Fiber orientation of the transverse carpal ligament. <i>Clinical Anatomy</i> , 2012, 25, 478-482.	1.5	15
23	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, 1357-1365.	2.3	57
24	Orthopaedic Research in the Year 2020. , 2012, , 1209-1215.		1
25	Biomechanical Variation of Double-Bundle Anterior Cruciate Ligament Reconstruction. , 2012, , 355-361.		0
26	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, 1019-1024.	0.5	19
27	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, 653-662.	2.3	25
28	Alpha1,3-galactosyltransferase knockout does not alter the properties of porcine extracellular matrix bioscaffolds. <i>Acta Biomaterialia</i> , 2011, 7, 1719-1727.	4.1	17
29	The effects of multiple freeze-thaw cycles on the biomechanical properties of the human bone-patellar tendon-bone allograft. <i>Journal of Orthopaedic Research</i> , 2011, 29, 1193-1198.	1.2	93
30	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, 1530-1535.	0.9	25
31	Functional Tissue Engineering of Ligament and Tendon Injuries. , 2011, , 997-1021.		6
32	Knee Kinematic Profiles during Drop Landings. <i>Medicine and Science in Sports and Exercise</i> , 2011, 43, 533-541.	0.2	64
33	Measurements of Tibiofemoral Kinematics during Soft and Stiff Drop Landings Using Biplane Fluoroscopy. <i>American Journal of Sports Medicine</i> , 2011, 39, 1714-1723.	1.9	63
34	Use of Extracellular Matrix Bioscaffolds to Enhance ACL Healing: A Multidisciplinary Approach in a Goat Model. , 2010, , .		0
35	Biomechanical evaluation of using one hamstrings tendon for ACL reconstruction: a human cadaveric study. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2010, 18, 11-19.	2.3	39
36	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, 1373-1379.	1.2	17

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37	Functional tissue engineering of ligament healing. BMC Sports Science, Medicine and Rehabilitation, 2010, 2, 12.	0.7	38
38	Effects of Cell Seeding and Cyclic Stretch on the Fiber Remodeling in an Extracellular Matrixâ€Derived Bioscaffold. Tissue Engineering - Part A, 2009, 15, 957-963.	1.6	59
39	Evaluation of Knee Stability with Use of a Robotic System. Journal of Bone and Joint Surgery - Series A, 2009, 91, 78-84.	1.4	46
40	Tension patterns of the anteromedial and posterolateral grafts in a doubleâ€bundle anterior cruciate ligament reconstruction. Journal of Orthopaedic Research, 2009, 27, 879-884.	1.2	35
41	Future of Orthopaedic Sports Medicine and Soft Tissue Healing: The Important Role of Engineering. Cellular and Molecular Bioengineering, 2009, 2, 448-461.	1.0	4
42	Tissue engineering: use of scaffolds for ligament and tendon healing and regeneration. Knee Surgery, Sports Traumatology, Arthroscopy, 2009, 17, 559-560.	2.3	10
43	Role of biomechanics in the understanding of normal, injured, and healing ligaments and tendons. BMC Sports Science, Medicine and Rehabilitation, 2009, 1, 9.	0.7	89
44	The importance of position and path repeatability on force at the knee during six-DOF joint motion. Medical Engineering and Physics, 2009, 31, 553-557.	0.8	7
45	Clinical Decision Making Based on Evidence. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2009, 25, 224.	1.3	2
46	Effects of Tunnel Location for Suture Augmentation Following Anterior Cruciate Ligament Injury. , 2009, , .		0
47	Changes in Gene Expression of Matrix Constituents with Respect to Passage of Ligament and Tendon Fibroblasts. Annals of Biomedical Engineering, 2008, 36, 1927-1933.	1.3	28
48	Use of a bioscaffold to improve healing of a patellar tendon defect after graft harvest for ACL reconstruction: A study in rabbits. Journal of Orthopaedic Research, 2008, 26, 255-263.	1.2	51
49	Effects of a bioscaffold on collagen fibrillogenesis in healing medial collateral ligament in rabbits. Journal of Orthopaedic Research, 2008, 26, 1098-1104.	1.2	38
50	The effects of geometry and fiber bundle orientation on the finite element modeling of the anterior cruciate ligament. , 2008, 2008, 899-902.		3
51	A subject-specific finite element model of the anterior cruciate ligament. , 2008, 2008, 891-4.		10
52	Positive Changes in Bone Marrowâ€Derived Cells in Response to Culture on an Aligned Bioscaffold. Tissue Engineering - Part A, 2008, 14, 1489-1495.	1.6	26
53	Regeneration of Ligaments and Tendons With ECM Bioscaffolds. , 2008, , .		0
54	Functional Tissue Engineering of Ligament and Tendon Injuries. , 2008, , 1206-1231.		3

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55	Importance of Tibial Slope for Stability of the Posterior Cruciate Ligamentâ€”Deficient Knee. American Journal of Sports Medicine, 2007, 35, 1443-1449.	1.9	170
56	Validation of a High-Payload Robotic/UFS Testing System for Studying of Joint Motion. , 2007, , 639.		0
57	The Assumption of a Negligible Preload on the Determination of Viscoelastic Properties Based on the Quasi-linear Viscoelastic (QLV) Theory. , 2007, , .		0
58	Gene Expression by Fibroblasts Seeded on Small Intestinal Submucosa and Subjected to Cyclic Stretching. Tissue Engineering, 2007, 13, 1313-1323.	4.9	78
59	Determination of a Safe Range of Knee Flexion Angles for Fixation of the Grafts in Double-Bundle Anterior Cruciate Ligament Reconstruction. American Journal of Sports Medicine, 2007, 35, 1513-1520.	1.9	38
60	The Mechanical and Viscoelastic Properties of the Healing Rabbit Patellar Tendon. , 2007, , 895.		0
61	Contribution of Biomechanics to Orthopaedics and Rehabilitation. Journal of Biomechanics, 2007, 40, S6.	0.9	0
62	Anatomical Double-Bundle Anterior Cruciate Ligament Reconstruction after Valgus High Tibial Osteotomy. American Journal of Sports Medicine, 2006, 34, 961-967.	1.9	7
63	Biomechanics and anterior cruciate ligament reconstruction. Journal of Orthopaedic Surgery and Research, 2006, 1, 2.	0.9	91
64	Biomechanics of knee ligaments: injury, healing, and repair. Journal of Biomechanics, 2006, 39, 1-20.	0.9	344
65	The effects of refreezing on the viscoelastic and tensile properties of ligaments. Journal of Biomechanics, 2006, 39, 1153-1157.	0.9	147
66	The development and validation of a charge-coupled device laser reflectance system to measure the complex cross-sectional shape and area of soft tissues. Journal of Biomechanics, 2006, 39, 3071-3075.	0.9	33
67	A novel methodology to reproduce previously recorded six-degree of freedom kinematics on the same diarthrodial joint. Journal of Biomechanics, 2006, 39, 1914-1923.	0.9	3
68	Estimation of ACL forces by reproducing knee kinematics between sets of knees: A novel non-invasive methodology. Journal of Biomechanics, 2006, 39, 2371-2377.	0.9	41
69	Long-term effects of porcine small intestine submucosa on the healing of medial collateral ligament: A functional tissue engineering study. Journal of Orthopaedic Research, 2006, 24, 811-819.	1.2	67
70	Effect of the iliotibial band on knee biomechanics during a simulated pivot shift test. Journal of Orthopaedic Research, 2006, 24, 967-973.	1.2	66
71	Fiber Kinematics of Small Intestinal Submucosa Under Biaxial and Uniaxial Stretch. Journal of Biomechanical Engineering, 2006, 128, 890-898.	0.6	59
72	A Model of Stress and Strain in the Interosseous Ligament of the Forearm Based on Fiber Network Theory. Journal of Biomechanical Engineering, 2006, 128, 725-732.	0.6	5

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73	Differences in Torsional Joint Stiffness of the Knee between Genders. American Journal of Sports Medicine, 2006, 34, 765-770.	1.9	87
74	Treatment with Bioscaffold Enhances the the Fibril Morphology and the Collagen Composition of Healing Medial Collateral Ligament in Rabbits. Tissue Engineering, 2006, 12, 159-166.	4.9	53
75	Translation from Research to Applications. Tissue Engineering, 2006, 12, 3341-3364.	4.9	65
76	Effects of Knee Flexion Angles for Graft Fixation on Force Distribution in Double-Bundle Anterior Cruciate Ligament Grafts. American Journal of Sports Medicine, 2006, 34, 577-585.	1.9	70
77	Treatment with Bioscaffold Enhances the the Fibril Morphology and the Collagen Composition of Healing Medial Collateral Ligament in Rabbits. Tissue Engineering, 2006, .	4.9	0
78	Functional Tissue Engineering of Patellar Tendon Healing. Medicine and Science in Sports and Exercise, 2006, 38, 71-72.	0.2	0
79	Summary and Future Directions. Sports Medicine and Arthroscopy Review, 2005, 13, 177-183.	1.0	0
80	Basic Science of Ligament Healing:. Sports Medicine and Arthroscopy Review, 2005, 13, 161-169.	1.0	5
81	A rat model to study the structural properties of the vagina and its supportive tissues. American Journal of Obstetrics and Gynecology, 2005, 192, 80-88.	0.7	70
82	Downregulation of Human Type III Collagen Gene Expression by Antisense Oligodeoxynucleotide. Tissue Engineering, 2005, 11, 1429-1435.	4.9	7
83	The Effectiveness of Reconstruction of the Anterior Cruciate Ligament Using the Novel Knot/Press-Fit Technique. American Journal of Sports Medicine, 2005, 33, 856-863.	1.9	22
84	Biomechanics of Initial Tibial Fixation in Posterior Cruciate Ligament Reconstruction. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2005, 21, 1164-1171.	1.3	40
85	Basic Science of Ligaments and Tendons Related to Rehabilitation. , 2004, , 1-14.		0
86	Biomechanical Comparison of Tibial Inlay versus Transtibial Techniques for Posterior Cruciate Ligament Reconstruction. American Journal of Sports Medicine, 2004, 32, 587-593.	1.9	79
87	An Improved Method to Analyze the Stress Relaxation of Ligaments Following a Finite Ramp Time Based on the Quasi-Linear Viscoelastic Theory. Journal of Biomechanical Engineering, 2004, 126, 92-97.	0.6	135
88	Inflammatory Response of Human Tendon Fibroblasts to Cyclic Mechanical Stretching. American Journal of Sports Medicine, 2004, 32, 435-440.	1.9	122
89	Knee Stability and Graft Function after Anterior Cruciate Ligament Reconstruction. American Journal of Sports Medicine, 2004, 32, 1825-1832.	1.9	342
90	A three-dimensional finite element model of the human anterior cruciate ligament: a computational analysis with experimental validation. Journal of Biomechanics, 2004, 37, 383-390.	0.9	136

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91	An Evaluation of the Quasi-Linear Viscoelastic Properties of the Healing Medial Collateral Ligament in a Goat Model. <i>Annals of Biomedical Engineering</i> , 2004, 32, 329-335.	1.3	59
92	Functional Tissue Engineering for Ligament Healing: Potential of Antisense Gene Therapy. <i>Annals of Biomedical Engineering</i> , 2004, 32, 342-351.	1.3	39
93	Biomechanical function of the posterior horn of the medial meniscus: a human cadaveric study. <i>Journal of Orthopaedic Science</i> , 2004, 9, 280-284.	0.5	32
94	Distribution of in situ forces in the anterior cruciate ligament in response to rotatory loads. <i>Journal of Orthopaedic Research</i> , 2004, 22, 85-89.	1.2	553
95	The use of porcine small intestinal submucosa to enhance the healing of the medial collateral ligament—a functional tissue engineering study in rabbits. <i>Journal of Orthopaedic Research</i> , 2004, 22, 214-220.	1.2	116
96	Contribution of biomechanics to clinical practice in orthopaedics. , 2004, 2004, 5455.		1
97	Effects of Increasing Tibial Slope on the Biomechanics of the Knee. <i>American Journal of Sports Medicine</i> , 2004, 32, 376-382.	1.9	643
98	Contribution of biomechanics, orthopaedics and rehabilitation: The past, present and future. <i>Journal of the Royal College of Surgeons of Edinburgh</i> , 2004, 2, 125-136.	0.8	16
99	Experimental and Computational Modeling of Joint and Ligament Mechanics. <i>Journal of Applied Biomechanics</i> , 2004, 20, 450-474.	0.3	4
100	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, 155-162.	2.3	35
101	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.	2.3	50
102	Cell orientation determines the alignment of cell-produced collagenous matrix. <i>Journal of Biomechanics</i> , 2003, 36, 97-102.	0.9	247
103	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, 1124-1130.	1.2	42
104	A quantitative analysis of valgus torque on the ACL: A human cadaveric study. <i>Journal of Orthopaedic Research</i> , 2003, 21, 1107-1112.	1.2	130
105	The effect of initial graft tension on the biomechanical properties of a healing ACL replacement graft: A study in goats. <i>Journal of Orthopaedic Research</i> , 2003, 21, 708-715.	1.2	78
106	Anterior cruciate ligament tunnel placement: Comparison of insertion site anatomy with the guidelines of a computer-assisted surgical system. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2003, 19, 154-160.	1.3	79
107	Knee stability and graft function following anterior cruciate ligament reconstruction: Comparison between 11 o'clock and 10 o'clock femoral tunnel placement. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2003, 19, 297-304.	1.3	612
108	Multi-directional strength and force envelope of the index finger. <i>Clinical Biomechanics</i> , 2003, 18, 908-915.	0.5	43

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109	Cyclic Mechanical Stretching of Human Tendon Fibroblasts Increases the Production of Prostaglandin E <sub>2</sub> and Levels of Cyclooxygenase Expression: A Novel In Vitro Model Study. <i>Connective Tissue Research</i> , 2003, 44, 128-133.	1.1	163
110	Antisense Oligonucleotides Reduce Synthesis of Procollagen $\hat{I}\pm 1$ (V) Chain in Human Patellar Tendon Fibroblasts: Potential Application in Healing Ligaments and Tendons. <i>Connective Tissue Research</i> , 2003, 44, 167-172.	1.1	32
111	Effect of Arthroscopic Procedures on the Acromioclavicular Joint. <i>Clinical Orthopaedics and Related Research</i> , 2003, 406, 89-96.	0.7	16
112	Measurement of Posterior Tibial Translation in the Posterior Cruciate Ligament-Reconstructed Knee. <i>American Journal of Sports Medicine</i> , 2003, 31, 843-848.	1.9	23
113	Ligament Healing: Present Status and the Future of Functional Tissue Engineering. , 2003, , 17-34.		4
114	The Effect of Random Skin Motion on Knee Kinematics Calculated With Surface Markers: A Comparison of Three Marker Sets. , 2003, , 241.		0
115	Estimation of ACL Forces Utilizing a Novel Non-Invasive Methodology That Reproduces Knee Kinematics Between Sets of Knees. , 2003, , .		1
116	Fiber Kinematics of Small Intestinal Submucosa Subjected to Biaxial Stretch. , 2003, , .		0
117	Reproducing the Motion of a Diarthrodial Joint During a Clinical Examination Using Robotic Technology. , 2003, , .		0
118	The Effects of Refreezing on the Tensile Properties of the Medial Collateral Ligament-Bone Complex: A Rabbit Model. , 2003, , .		0
119	Development of a Novel Model System to Study Remodeling of ECM Scaffolds in Response to Cyclic Stretching. , 2003, , .		0
120	Biomechanics of Ligaments: From Molecular Biology to Joint Function. , 2003, , 13-35.		0
121	Effect of arthroscopic procedures on the acromioclavicular joint. <i>Clinical Orthopaedics and Related Research</i> , 2003, , 89-96.	0.7	6
122	Biomechanical Analysis of an Anatomic Anterior Cruciate Ligament Reconstruction. <i>American Journal of Sports Medicine</i> , 2002, 30, 660-666.	1.9	867
123	The effect of axial tibial torque on the function of the anterior cruciate ligament. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2002, 18, 394-398.	1.3	210
124	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, 968-973.	1.3	21
125	The effect of soft-tissue graft fixation in anterior cruciate ligament reconstruction on graft-tunnel motion under anterior tibial loading. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2002, 18, 960-967.	1.3	86
126	Response of donor and recipient cells after transplantation of cells to the ligament and tendon. <i>Microscopy Research and Technique</i> , 2002, 58, 34-38.	1.2	40



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127	Fate of donor bone marrow cells in medial collateral ligament after simulated autologous transplantation. <i>Microscopy Research and Technique</i> , 2002, 58, 39-44.	1.2	55
128	The effect of rotator cuff tears on reaction forces at the glenohumeral joint. <i>Journal of Orthopaedic Research</i> , 2002, 20, 439-446.	1.2	198
129	THE EFFECTIVENESS OF RECONSTRUCTION OF THE ANTERIOR CRUCIATE LIGAMENT WITH HAMSTRINGS AND PATELLAR TENDON. <i>Journal of Bone and Joint Surgery - Series A</i> , 2002, 84, 907-914.	1.4	435
130	Enhancement of Tendon-Bone Integration of Anterior Cruciate Ligament Grafts with Bone Morphogenetic Protein-2 Gene Transfer. <i>Journal of Bone and Joint Surgery - Series A</i> , 2002, 84, 1123-1131.	1.4	225
131	The Biomechanical Interdependence between the Anterior Cruciate Ligament Replacement Graft and the Medial Meniscus. <i>American Journal of Sports Medicine</i> , 2001, 29, 226-231.	1.9	259
132	The Position of the Tibia during Graft Fixation Affects Knee Kinematics and Graft Forces for Anterior Cruciate Ligament Reconstruction. <i>American Journal of Sports Medicine</i> , 2001, 29, 771-776.	1.9	59
133	A Multidisciplinary Study of the Healing of an Intraarticular Anterior Cruciate Ligament Graft in a Goat Model. <i>American Journal of Sports Medicine</i> , 2001, 29, 620-626.	1.9	174
134	Structure and Function of the Healing Medial Collateral Ligament in a Goat Model. <i>Annals of Biomedical Engineering</i> , 2001, 29, 173-180.	1.3	42
135	Anatomy and biomechanics of the posterior cruciate ligament and posterolateral corner. <i>Operative Techniques in Sports Medicine</i> , 2001, 9, 39-46.	0.2	9
136	Precision of ACL Tunnel Placement Using Traditional and Robotic Techniques. <i>Computer Aided Surgery</i> , 2001, 6, 270-278.	1.8	55
137	Precision of ACL tunnel placement using traditional and robotic techniques. <i>Computer Aided Surgery</i> , 2001, 6, 270-8.	1.8	21
138	Anatomy and Biomechanics of the Posterior Cruciate Ligament. , 2001, , 3-22.		1
139	Biomechanics of the Posterior Cruciate Ligament-Deficient Knee. <i>Techniques in Orthopaedics</i> , 2001, 16, 109-118.	0.1	1
140	Effect of Capsular Injury on Acromioclavicular Joint Mechanics. <i>Journal of Bone and Joint Surgery - Series A</i> , 2001, 83, 1344-1351.	1.4	232
141	Ligaments of the Knee in Sports Injuries and Rehabilitation. , 2001, , 1-10.		0
142	Biomechanical Analysis of a Double-Bundle Posterior Cruciate Ligament Reconstruction. <i>American Journal of Sports Medicine</i> , 2000, 28, 144-151.	1.9	320
143	The Effect of Knee Flexion Angle and Application of an Anterior Tibial Load at the Time of Graft Fixation on the Biomechanics of a Posterior Cruciate Ligament-Reconstructed Knee. <i>American Journal of Sports Medicine</i> , 2000, 28, 460-465.	1.9	70
144	Biomechanical Analysis of a Posterior Cruciate Ligament Reconstruction. <i>American Journal of Sports Medicine</i> , 2000, 28, 32-39.	1.9	324

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145	Importance of the medial meniscus in the anterior cruciate ligament-deficient knee. Journal of Orthopaedic Research, 2000, 18, 109-115.	1.2	361
146	Significance of changes in the reference position for measurements of tibial translation and diagnosis of cruciate ligament deficiency. Journal of Orthopaedic Research, 2000, 18, 176-182.	1.2	27
147	Mechanical behavior of two hamstring graft constructs for reconstruction of the anterior cruciate ligament. Journal of Orthopaedic Research, 2000, 18, 456-461.	1.2	96
148	The effect of the point of application of anterior tibial loads on human knee kinematics. Journal of Biomechanics, 2000, 33, 1147-1152.	0.9	21
149	Type V collagen is increased during rabbit medial collateral ligament healing. Knee Surgery, Sports Traumatology, Arthroscopy, 2000, 8, 281-285.	2.3	89
150	Effects of sectioning the posterolateral structures on knee kinematics and in situ forces in the posterior cruciate ligament. Knee Surgery, Sports Traumatology, Arthroscopy, 2000, 8, 93-98.	2.3	76
151	In-situ force in the medial and lateral structures of intact and ACL-deficient knees. Journal of Orthopaedic Science, 2000, 5, 567-571.	0.5	114
152	THE EFFECTS OF GROWTH FACTORS ON PROLIFERATION AND MATRIX SYNTHESIS OF FIBROBLASTS FROM GOAT MEDIAL COLLATERAL LIGAMENT. Journal of Musculoskeletal Research, 2000, 04, 257-264.	0.1	0
153	Interaction between the ACL graft and MCL in a combined ACL+MCL knee injury using a goat model. Acta Orthopaedica, 2000, 71, 387-393.	1.4	62
154	Experimental investigation of reaction forces at the glenohumeral joint during active abduction. Journal of Shoulder and Elbow Surgery, 2000, 9, 409-417.	1.2	88
155	Injury and Repair of Ligaments and Tendons. Annual Review of Biomedical Engineering, 2000, 2, 83-118.	5.7	158
156	Use of robotic technology to study the biomechanics of ligaments and their replacements. Operative Techniques in Orthopaedics, 2000, 10, 87-91.	0.2	6
157	Role of the forearm interosseous ligament: Is it more than just longitudinal load transfer?. Journal of Hand Surgery, 2000, 25, 683-688.	0.7	81
158	The forces in the anterior cruciate ligament and knee kinematics during a simulated pivot shift test: A human cadaveric study using robotic technology. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2000, 16, 633-639.	1.3	258
159	Tissue Engineering of Ligament Healing. , 2000, , 174-195.		2
160	Healing and Repair of Ligament Injuries in the Knee. Journal of the American Academy of Orthopaedic Surgeons, The, 2000, 8, 364-372.	1.1	156
161	Biological Responses of Fibroblasts to Cyclic Stretching: A Novel Culture Model Study. , 2000, , .		0
162	The importance of quadriceps and hamstring muscle loading on knee kinematics and in-situ forces in the ACL. Journal of Biomechanics, 1999, 32, 395-400.	0.9	474

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163	A new methodology to measure load transfer through the forearm using multiple universal force sensors. <i>Journal of Biomechanics</i> , 1999, 32, 1331-1335.	0.9	31
164	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, 839-843.	1.3	23
165	Relative contribution of the ACL, MCL, and bony contact to the anterior stability of the knee. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 1999, 7, 93-97.	2.3	121
166	Hamstring graft motion in the femoral bone tunnel when using titanium button/ polyester tape fixation. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 1999, 7, 215-219.	2.3	169
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