

Richard E Debski

List of Publications by Year in descending order

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145
papers

7,190
citations

76326

40
h-index

58581

82
g-index

149
all docs

149
docs citations

149
times ranked

3576
citing authors

#	ARTICLE	IF	CITATIONS
1	Direction of non-recoverable strain in the glenohumeral capsule following multiple anterior dislocations: Implications for anatomic Bankart repair. <i>Journal of Orthopaedic Research</i> , 2023, 41, 479-488.	2.3	4
2	Tibiofemoral bony morphology features associated with ACL injury and sex utilizing three-dimensional statistical shape modeling. <i>Journal of Orthopaedic Research</i> , 2022, 40, 87-94.	2.3	8
3	Studying the Feasibility of Postoperative Monitoring of Spinal Fusion Progress Using a Self-Powered Fowler-Nordheim Sensor-Data-Logger. <i>IEEE Transactions on Biomedical Engineering</i> , 2022, 69, 710-717.	4.2	4
4	Associations between range of motion, strength, tear size, patient-reported outcomes, and glenohumeral kinematics in individuals with symptomatic isolated supraspinatus tears. <i>Journal of Shoulder and Elbow Surgery</i> , 2022, 31, 1261-1271.	2.6	4
5	Small lateral meniscus tears propagate over time in ACL intact and deficient knees. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2021, 29, 3068-3076.	4.2	8
6	Combining advanced computational and imaging techniques as a quantitative tool to estimate patellofemoral joint stress during downhill gait: A feasibility study. <i>Gait and Posture</i> , 2021, 84, 31-37.	1.4	4
7	Location and magnitude of capsular injuries varies following multiple anterior dislocations of the shoulder: Implications for surgical repair. <i>Journal of Orthopaedic Research</i> , 2021, 39, 648-656.	2.3	4
8	An improved quantitative ultrasonographic technique could assess anterior translation of the glenohumeral joint accurately and reliably. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2021, 29, 2595-2605.	4.2	5
9	Tibiofemoral Bony Morphology Impacts the Knee Kinematics After Anterolateral Capsule Injury and Lateral Extraarticular Tenodesis Differently than Intact State. <i>Journal of Biomechanics</i> , 2021, , 110857.	2.1	0
10	Continuous-Loop Tape Technique Has Greater Stiffness and Less Elongation Compared With Tied-Suture Fixation of Full-Thickness All-Soft Tissue Quadriceps Tendon Autografts. <i>Orthopaedic Journal of Sports Medicine</i> , 2021, 9, 232596712110541.	1.7	1
11	Assessing the accuracy of arthroscopic and open measurements of the size of rotator cuff tears: A simulation-based study. <i>World Journal of Orthopedics</i> , 2021, 12, 983-990.	1.8	1
12	Elbow Biomechanics: Soft Tissue Stabilizers. <i>Journal of Hand Surgery</i> , 2020, 45, 140-147.	1.6	12
13	Localized Rotator Cuff Tendon Degeneration for Cadaveric Shoulders with and Without Tears Isolated to the Supraspinatus Tendon. <i>Clinical Anatomy</i> , 2020, 33, 1007-1013.	2.7	4
14	Hybrid Fixation Restores Tibiofibular Kinematics for Early Weightbearing After Syndesmotic Injury. <i>Orthopaedic Journal of Sports Medicine</i> , 2020, 8, 232596712094674.	1.7	8
15	Breast Reconstruction Using a Three-Dimensional Absorbable Mesh Scaffold and Autologous Fat Grafting: A Composite Strategy Based on Tissue-Engineering Principles. <i>Plastic and Reconstructive Surgery</i> , 2020, 146, 409e-413e.	1.4	22
16	Effect of localized tendon remodeling on supraspinatus tear propagation. <i>Journal of Biomechanics</i> , 2020, 108, 109903.	2.1	2
17	Does Lateral Extra-articular Tenodesis of the Knee Affect Anterior Cruciate Ligament Graft In Situ Forces and Tibiofemoral Contact Pressures?. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2020, 36, 1365-1373.	2.7	26
18	Partial Lateral Meniscectomy Affects Knee Stability Even in Anterior Cruciate Ligament-Intact Knees. <i>Journal of Bone and Joint Surgery - Series A</i> , 2020, 102, 567-573.	3.0	27

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19	Sagittal instability with inversion is important to evaluate after syndesmosis injury and repair: a cadaveric robotic study. <i>Journal of Experimental Orthopaedics</i> , 2020, 7, 18.	1.8	7
20	The correlation of quantitative ultrasound measures and supraspinatus tendon quality: A pilot study. <i>Journal of Medical Ultrasound</i> , 2020, 28, 162.	0.4	0
21	Lateral Meniscal Allograft Transplantation With Bone Block and Suture-Only Techniques Partially Restores Knee Kinematics and Forces. <i>American Journal of Sports Medicine</i> , 2019, 47, 2427-2436.	4.2	24
22	Effect of Meniscal Ramp Lesion Repair on Knee Kinematics, Bony Contact Forces, and In Situ Forces in the Anterior Cruciate Ligament. <i>American Journal of Sports Medicine</i> , 2019, 47, 3195-3202.	4.2	32
23	Altered shoulder kinematics using a new model for multiple dislocations-induced Bankart lesions. <i>Clinical Biomechanics</i> , 2019, 70, 131-136.	1.2	10
24	Impact of Screw Length on Proximal Scaphoid Fracture Biomechanics. <i>Journal of Wrist Surgery</i> , 2019, 08, 360-365.	0.7	3
25	Education and repetition improve success rate and quantitative measures of the pivot shift test. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2019, 27, 3418-3425.	4.2	9
26	Superior clavicle drilling points and fluoroscopic inclination for anatomic coracoclavicular ligament reconstruction: a cadaveric study. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2019, 27, 3813-3820.	4.2	0
27	Influence of knee position and examiner-induced motion on the kinematics of the pivot shift. <i>Journal of Experimental Orthopaedics</i> , 2019, 6, 11.	1.8	7
28	Optimization of compressive loading parameters to mimic in vivo cervical spine kinematics in vitro. <i>Journal of Biomechanics</i> , 2019, 87, 107-113.	2.1	4
29	Non-uniform strain distribution in anterolateral capsule of knee: Implications for surgical repair. <i>Journal of Orthopaedic Research</i> , 2019, 37, 1025-1032.	2.3	6
30	Development and validation of a kinematically-driven discrete element model of the patellofemoral joint. <i>Journal of Biomechanics</i> , 2019, 88, 164-172.	2.1	5
31	Distal femur morphology affects rotatory knee instability in patients with anterior cruciate ligament ruptures. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2019, 27, 1514-1519.	4.2	40
32	The effect of adipose-derived stem cells on enthesis healing after repair of acute and chronic massive rotator cuff tears in rats. <i>Journal of Shoulder and Elbow Surgery</i> , 2019, 28, 654-664.	2.6	46
33	Effects of Tendon Degeneration on Predictions of Supraspinatus Tear Propagation. <i>Annals of Biomedical Engineering</i> , 2019, 47, 154-161.	2.5	9
34	Interfragmentary Compression Forces Vary Based on Scaphoid Bone Screw Type and Fracture Location. <i>Hand</i> , 2019, 14, 371-376.	1.2	11
35	A Validated, Specimen-Specific Finite Element Model of the Supraspinatus Tendon Mechanical Environment. <i>Journal of Biomechanical Engineering</i> , 2019, 141, .	1.3	2
36	In situ force in the anterior cruciate ligament, the lateral collateral ligament, and the anterolateral capsule complex during a simulated pivot shift test. <i>Journal of Orthopaedic Research</i> , 2018, 36, 847-853.	2.3	18

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37	Lateral Extra-articular Tenodesis Has No Effect in Knees With Isolated Anterior Cruciate Ligament Injury. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2018, 34, 251-260.	2.7	52
38	Effects of tear size and location on predictions of supraspinatus tear propagation. <i>Journal of Biomechanics</i> , 2018, 68, 51-57.	2.1	12
39	Structural Properties of the Anterolateral Complex and Their Clinical Implications. <i>Clinics in Sports Medicine</i> , 2018, 37, 41-47.	1.8	8
40	Female sex is associated with greater rotatory knee laxity in collegiate athletes. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2018, 26, 1319-1325.	4.2	22
41	An Increased Lateral Femoral Condyle Ratio Is a Risk Factor for Anterior Cruciate Ligament Injury. <i>Journal of Bone and Joint Surgery - Series A</i> , 2018, 100, 857-864.	3.0	80
42	The Use of Fluoroscopy Leads to Improved Identification of the Femoral Lateral Collateral Ligament Origin Site When Compared With Traditional Tactile Techniques. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2018, 34, 2487-2493.e1.	2.7	9
43	Exercise therapy for treatment of supraspinatus tears does not alter glenohumeral kinematics during internal/external rotation with the arm at the side. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2018, 26, 267-274.	4.2	4
44	Tensile properties of a split quadriceps graft for ACL reconstruction. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2017, 25, 1249-1254.	4.2	11
45	Use of Robotic Manipulators to Study Diarthrodial Joint Function. <i>Journal of Biomechanical Engineering</i> , 2017, 139, .	1.3	13
46	Braided and Stacked Electrospun Nanofibrous Scaffolds for Tendon and Ligament Tissue Engineering. <i>Tissue Engineering - Part A</i> , 2017, 23, 378-389.	3.1	93
47	The Rotator Cuff Organ: Integrating Developmental Biology, Tissue Engineering, and Surgical Considerations to Treat Chronic Massive Rotator Cuff Tears. <i>Tissue Engineering - Part B: Reviews</i> , 2017, 23, 318-335.	4.8	25
48	Biomechanical evaluation of knee endpoint during anterior tibial loading: Implication for physical exams. <i>Knee</i> , 2017, 24, 258-263.	1.6	1
49	Secondary Stabilizers of the Anterior Cruciate Ligamentâ€”Deficient Knee. <i>Operative Techniques in Orthopaedics</i> , 2017, 27, 107-112.	0.1	2
50	Beyond the Anterolateral Ligament: Response. <i>American Journal of Sports Medicine</i> , 2017, 45, NP18-NP19.	4.2	0
51	Effect of perfect anatomic repair, imperfect anatomic repair, and no repair of a 25% Hill-Sachs lesion on bony contact and capsular forces at the glenohumeral joint. <i>Sports Orthopaedics and Traumatology</i> , 2017, 33, 57-64.	0.1	1
52	The Anterolateral Capsule of the Knee Behaves Like a Sheet of Fibrous Tissue. <i>American Journal of Sports Medicine</i> , 2017, 45, 849-855.	4.2	76
53	The Role of Extra-Articular Tenodesis in Combined ACL and Anterolateral Capsular Injury. <i>Journal of Bone and Joint Surgery - Series A</i> , 2017, 99, 1654-1660.	3.0	32
54	In Vitro Biomechanical Analysis of Knee Rotational Stability. , 2017, , 3-14.		0

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55	Anatomy and Function of the Anterolateral Capsule Structures. , 2017, , 15-25.		1
56	The Influence of Surgical Stabilization on Glenohumeral Abduction Using 3-Dimensional Computed Tomography in Patients With Shoulder Instability. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2016, 32, 1495-1501.	2.7	2
57	Augmented repair of radial meniscus tear with biomimetic electrospun scaffold: an in vitro mechanical analysis. Journal of Experimental Orthopaedics, 2016, 3, 23.	1.8	16
58	Correlation between a 2D simple image analysis method and 3D bony motion during the pivot shift test. Knee, 2016, 23, 1059-1063.	1.6	21
59	Authors' Reply. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2016, 32, 730-731.	2.7	0
60	Does Repair of a Hill-Sachs Defect Increase Stability at the Glenohumeral Joint?. Orthopaedic Journal of Sports Medicine, 2016, 4, 232596711664509.	1.7	5
61	Macroscopic anatomical, histological and magnetic resonance imaging correlation of the lateral capsule of the knee. Knee Surgery, Sports Traumatology, Arthroscopy, 2016, 24, 2854-2860.	4.2	61
62	Structural Properties of the Anterolateral Capsule and Iliotibial Band of the Knee. American Journal of Sports Medicine, 2016, 44, 892-897.	4.2	83
63	Influence of varying compressive loading methods on physiologic motion patterns in the cervical spine. Journal of Biomechanics, 2016, 49, 167-172.	2.1	25
64	Effects of exercise therapy for the treatment of asymptomatic full-thickness supraspinatus tears on in vivo glenohumeral kinematics. Journal of Shoulder and Elbow Surgery, 2016, 25, 641-649.	2.6	22
65	Basic biomechanic principles of knee instability. Current Reviews in Musculoskeletal Medicine, 2016, 9, 114-122.	3.5	32
66	Development of computer tablet software for clinical quantification of lateral knee compartment translation during the pivot shift test. Computer Methods in Biomechanics and Biomedical Engineering, 2016, 19, 217-228.	1.6	51
67	Quantitative analysis of the patella following the harvest of a quadriceps tendon autograft with a bone block. Knee Surgery, Sports Traumatology, Arthroscopy, 2016, 24, 2899-2905.	4.2	20
68	Biological responses to flexion/extension in spinal segments ex vivo. Journal of Orthopaedic Research, 2015, 33, 1255-1264.	2.3	17
69	The Effect of Size and Location of Tears in the Supraspinatus Tendon on Potential Tear Propagation. Journal of Biomechanical Engineering, 2015, 137, 081012.	1.3	17
70	Comparison of 3-Dimensional Computed Tomography-Based Measurement of Glenoid Bone Loss With Arthroscopic Defect Size Estimation in Patients With Anterior Shoulder Instability. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2015, 31, 1880-1885.	2.7	26
71	Effect of Tear Location on Propagation of Isolated Supraspinatus Tendon Tears During Increasing Levels of Cyclic Loading. Journal of Bone and Joint Surgery - Series A, 2015, 97, 273-278.	3.0	14
72	Diagnostic accuracy of physical examination for anterior knee instability: a systematic review. Knee Surgery, Sports Traumatology, Arthroscopy, 2015, 23, 2805-2813.	4.2	75

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73	A reliable method for classifying acromial shape. <i>International Biomechanics</i> , 2015, 2, 36-42.	1.0	7
74	Posterior tibial translation resulting from the posterior drawer manoeuvre in cadaveric knee specimens: a systematic review. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2015, 23, 2974-2982.	4.2	7
75	Novel technique for evaluation of knee function continuously through the range of flexion. <i>Journal of Biomechanics</i> , 2015, 48, 3728-3731.	2.1	18
76	The Biomechanical Function of the Anterolateral Ligament of the Knee: Letter to the Editor. <i>American Journal of Sports Medicine</i> , 2015, 43, NP21-NP22.	4.2	9
77	Experimental Execution of the Simulated Pivot-Shift Test: A Systematic Review of Techniques. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2015, 31, 2445-2454.e2.	2.7	26
78	OS4-4 Three-dimensional strain distribution in the attachment area of the anterior cruciate ligament during anterior translation to the knee(OS4: Advanced Clinical Joint Biomechanics). <i>The Proceedings of the Asian Pacific Conference on Biomechanics Emerging Science and Technology in Biomechanics</i> , 2015, 2015.8, 90.	0.0	0
79	A Method for Predicting Collagen Fiber Realignment in Non-Planar Tissue Surfaces as Applied to Glenohumeral Capsule During Clinically Relevant Deformation. <i>Journal of Biomechanical Engineering</i> , 2014, 136, 031003.	1.3	19
80	Strain distribution due to propagation of tears in the anterior supraspinatus tendon. <i>Journal of Orthopaedic Research</i> , 2014, 32, 1283-1289.	2.3	23
81	Changes to the mechanical properties of the glenohumeral capsule during anterior dislocation. <i>Journal of Biomechanics</i> , 2014, 47, 464-469.	2.1	10
82	Effects of External Rotation on Anteroposterior Translations in the Shoulder: A Pilot Study. <i>Clinical Orthopaedics and Related Research</i> , 2014, 472, 2397-2403.	1.5	1
83	Collagen fiber alignment and maximum principal strain in the glenohumeral capsule predict location of failure during uniaxial extension. <i>Biomechanics and Modeling in Mechanobiology</i> , 2014, 13, 379-385.	2.8	3
84	Capsule function following anterior dislocation: Implications for diagnosis of shoulder instability. <i>Journal of Orthopaedic Research</i> , 2013, 31, 962-968.	2.3	8
85	Injury to the anteroinferior glenohumeral capsule during anterior dislocation. <i>Clinical Biomechanics</i> , 2013, 28, 140-145.	1.2	10
86	The Effect of a Hill-Sachs Defect on Glenohumeral Translations, In Situ Capsular Forces, and Bony Contact Forces. <i>American Journal of Sports Medicine</i> , 2012, 40, 388-394.	4.2	37
87	Effects of simulated injury on the anteroinferior glenohumeral capsule. <i>Medical and Biological Engineering and Computing</i> , 2012, 50, 1299-1307.	2.8	7
88	Finding consistent strain distributions in the glenohumeral capsule between two subjects: Implications for development of physical examinations. <i>Journal of Biomechanics</i> , 2011, 44, 607-613.	2.1	29
89	Quantification of rotator cuff tear geometry: the repair ratio as a guide for surgical repair in crescent and U-shaped tears. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2010, 130, 369-373.	2.4	5
90	The Glenohumeral Capsule Should be Evaluated as a Sheet of Fibrous Tissue: A Validated Finite Element Model. <i>Annals of Biomedical Engineering</i> , 2010, 38, 66-76.	2.5	46

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91	Development of a subject-specific model to predict the forces in the knee ligaments at high flexion angles. <i>Medical and Biological Engineering and Computing</i> , 2010, 48, 1077-1085.	2.8	19
92	Finite element modelling of the glenohumeral capsule can help assess the tested region during a clinical exam. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2010, 13, 413-418.	1.6	23
93	The Impact of Glenoid Labrum Thickness and Modulus on Labrum and Glenohumeral Capsule Function. <i>Journal of Biomechanical Engineering</i> , 2010, 132, 121003.	1.3	17
94	Effects of region and sex on the mechanical properties of the glenohumeral capsule during uniaxial extension. <i>Journal of Applied Physiology</i> , 2010, 108, 1711-1718.	2.5	9
95	Material Properties of the Axillary Pouch of the Glenohumeral Capsule: Is Isotropic Material Symmetry Appropriate?. <i>Journal of Biomechanical Engineering</i> , 2009, 131, 031007.	1.3	15
96	Hill-Sachs Defects and Repair Using Osteoarticular Allograft Transplantation. <i>American Journal of Sports Medicine</i> , 2009, 37, 2459-2466.	4.2	136
97	The importance of position and path repeatability on force at the knee during six-DOF joint motion. <i>Medical Engineering and Physics</i> , 2009, 31, 553-557.	1.7	7
98	Adaptive glenoid bone remodeling simulation. <i>Journal of Biomechanics</i> , 2009, 42, 1460-1468.	2.1	19
99	The current anatomical description of the inferior glenohumeral ligament does not correlate with its functional role in positions of external rotation. <i>Journal of Orthopaedic Research</i> , 2008, 26, 1598-1604.	2.3	31
100	Acromial morphology: Effects of suboptimal radiographs. <i>Journal of Shoulder and Elbow Surgery</i> , 2007, 16, 135-142.	2.6	26
101	Methodology and sensitivity studies for finite element modeling of the inferior glenohumeral ligament complex. <i>Journal of Biomechanics</i> , 2007, 40, 603-612.	2.1	45
102	Decreasing glenoid inclination improves function in shoulders with simulated massive rotator cuff tears. <i>Clinical Biomechanics</i> , 2006, 21, 942-949.	1.2	36
103	Orientation feedback during simulated simple translation tests has little clinical significance on the magnitude and precision of glenohumeral joint translations. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2006, 14, 1194-1199.	4.2	5
104	A novel methodology to reproduce previously recorded six-degree of freedom kinematics on the same diarthrodial joint. <i>Journal of Biomechanics</i> , 2006, 39, 1914-1923.	2.1	3
105	Estimation of ACL forces by reproducing knee kinematics between sets of knees: A novel non-invasive methodology. <i>Journal of Biomechanics</i> , 2006, 39, 2371-2377.	2.1	41
106	Bi-directional mechanical properties of the posterior region of the glenohumeral capsule. <i>Journal of Biomechanics</i> , 2005, 38, 1365-1369.	2.1	28
107	Varying Femoral Tunnels between the Anatomical Footprint and Isometric Positions. <i>American Journal of Sports Medicine</i> , 2005, 33, 712-718.	4.2	303
108	Stability and instability of the glenohumeral joint: The role of shoulder muscles. <i>Journal of Shoulder and Elbow Surgery</i> , 2005, 14, S32-S38.	2.6	235

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109	Stress and strain in the anterior band of the inferior glenohumeral ligament during a simulated clinical examination. <i>Journal of Shoulder and Elbow Surgery</i> , 2005, 14, S24-S31.	2.6	37
110	Bi-directional Mechanical Properties of the Axillary Pouch of the Glenohumeral Capsule: Implications for Modeling and Surgical Repair. <i>Journal of Biomechanical Engineering</i> , 2004, 126, 284-288.	1.3	19
111	A three-dimensional finite element model of the human anterior cruciate ligament: a computational analysis with experimental validation. <i>Journal of Biomechanics</i> , 2004, 37, 383-390.	2.1	136
112	Biomechanical Rationale for Development of Anatomical Reconstructions of Coracoclavicular Ligaments after Complete Acromioclavicular Joint Dislocations. <i>American Journal of Sports Medicine</i> , 2004, 32, 1929-1936.	4.2	256
113	Biomechanical function of the posterior horn of the medial meniscus: a human cadaveric study. <i>Journal of Orthopaedic Science</i> , 2004, 9, 280-284.	1.1	32
114	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.	2.3	553
115	Multidirectional kinematics of the glenohumeral joint during simulated simple translation tests: Impact on clinical diagnoses. <i>Journal of Orthopaedic Research</i> , 2004, 22, 889-894.	2.3	16
116	Biomechanical function of surgical procedures for acromioclavicular joint dislocations. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2004, 20, 237-245.	2.7	143
117	Joint compression alters the kinematics and loading patterns of the intact and capsule-transected AC joint. <i>Journal of Orthopaedic Research</i> , 2003, 21, 379-385.	2.3	38
118	A quantitative analysis of valgus torque on the ACL: A human cadaveric study. <i>Journal of Orthopaedic Research</i> , 2003, 21, 1107-1112.	2.3	130
119	Viscoelastic behavior and structural properties of the coracoclavicular ligaments. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2003, 13, 305-310.	2.9	40
120	The collagen fibers of the anteroinferior capsulolabrum have multiaxial orientation to resist shoulder dislocation. <i>Journal of Shoulder and Elbow Surgery</i> , 2003, 12, 247-252.	2.6	27
121	Glenohumeral Translations are Only Partially Restored after Repair of a Simulated Type II Superior Labral Lesion. <i>American Journal of Sports Medicine</i> , 2003, 31, 56-63.	4.2	63
122	Estimation of ACL Forces Utilizing a Novel Non-Invasive Methodology That Reproduces Knee Kinematics Between Sets of Knees. , 2003, , .		1
123	Effect of arthroscopic procedures on the acromioclavicular joint. <i>Clinical Orthopaedics and Related Research</i> , 2003, , 89-96.	1.5	6
124	Biomechanical Analysis of an Anatomic Anterior Cruciate Ligament Reconstruction. <i>American Journal of Sports Medicine</i> , 2002, 30, 660-666.	4.2	867
125	Anatomy and Function of the Glenohumeral Ligaments in Anterior Shoulder Instability. <i>Clinical Orthopaedics and Related Research</i> , 2002, 400, 32-39.	1.5	168
126	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.	2.7	21

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127	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.	2.7	86
128	Structure and Function of the Healing Medial Collateral Ligament in a Goat Model. <i>Annals of Biomedical Engineering</i> , 2001, 29, 173-180.	2.5	42
129	Precision of ACL Tunnel Placement Using Traditional and Robotic Techniques. <i>Computer Aided Surgery</i> , 2001, 6, 270-278.	1.8	55
130	Precision of ACL tunnel placement using traditional and robotic techniques. <i>Computer Aided Surgery</i> , 2001, 6, 270-278.	1.8	21
131	Effect of Capsular Injury on Acromioclavicular Joint Mechanics. <i>Journal of Bone and Joint Surgery - Series A</i> , 2001, 83, 1344-1351.	3.0	232
132	Mechanical behavior of two hamstring graft constructs for reconstruction of the anterior cruciate ligament. <i>Journal of Orthopaedic Research</i> , 2000, 18, 456-461.	2.3	96
133	The effect of the point of application of anterior tibial loads on human knee kinematics. <i>Journal of Biomechanics</i> , 2000, 33, 1147-1152.	2.1	21
134	Ligament Mechanics During Three Degree-of-Freedom Motion at the Acromioclavicular Joint. <i>Annals of Biomedical Engineering</i> , 2000, 28, 612-618.	2.5	112
135	Interaction between the ACL graft and MCL in a combined ACL+MCL knee injury using a goat model. <i>Acta Orthopaedica</i> , 2000, 71, 387-393.	1.4	62
136	Injury and Repair of Ligaments and Tendons. <i>Annual Review of Biomedical Engineering</i> , 2000, 2, 83-118.	12.3	158
137	Use of robotic technology for diarthrodial joint research. <i>Journal of Science and Medicine in Sport</i> , 1999, 2, 283-297.	1.3	79
138	In situ force distribution in the glenohumeral joint capsule during anterior-posterior loading. <i>Journal of Orthopaedic Research</i> , 1999, 17, 769-776.	2.3	93
139	Contribution of the passive properties of the rotator cuff to glenohumeral stability during anterior-posterior loading. <i>Journal of Shoulder and Elbow Surgery</i> , 1999, 8, 324-329.	2.6	62
140	Biomechanics of Knee Ligaments. <i>American Journal of Sports Medicine</i> , 1999, 27, 533-543.	4.2	223
141	Functional Evaluation of the Ligaments at the Acromioclavicular Joint during Anteroposterior and Superior-Inferior Translation. <i>American Journal of Sports Medicine</i> , 1997, 25, 858-862.	4.2	171
142	Tensile properties of the superior glenohumeral and coracohumeral ligaments. <i>Journal of Shoulder and Elbow Surgery</i> , 1996, 5, 249-254.	2.6	91
143	A Biomechanical Analysis of Rotator Cuff Deficiency in a Cadaveric Model. <i>American Journal of Sports Medicine</i> , 1996, 24, 286-292.	4.2	252
144	A new dynamic testing apparatus to study glenohumeral joint motion. <i>Journal of Biomechanics</i> , 1995, 28, 869-874.	2.1	88

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145	Shoulder muscle forces and tendon excursions during glenohumeral abduction in the scapular plane. <i>Journal of Shoulder and Elbow Surgery</i> , 1995, 4, 199-208.	2.6	121