

Richard E Debski

List of Publications by Year in descending order

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145
papers

7,190
citations

76196

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149
all docs

149
docs citations

149
times ranked

3576
citing authors

#	ARTICLE	IF	CITATIONS
1	Biomechanical Analysis of an Anatomic Anterior Cruciate Ligament Reconstruction. American Journal of Sports Medicine, 2002, 30, 660-666.	1.9	867
2	Distribution of in situ forces in the anterior cruciate ligament in response to rotatory loads. Journal of Orthopaedic Research, 2004, 22, 85-89.	1.2	553
3	Varying Femoral Tunnels between the Anatomical Footprint and Isometric Positions. American Journal of Sports Medicine, 2005, 33, 712-718.	1.9	303
4	Biomechanical Rationale for Development of Anatomical Reconstructions of Coracoclavicular Ligaments after Complete Acromioclavicular Joint Dislocations. American Journal of Sports Medicine, 2004, 32, 1929-1936.	1.9	256
5	A Biomechanical Analysis of Rotator Cuff Deficiency in a Cadaveric Model. American Journal of Sports Medicine, 1996, 24, 286-292.	1.9	252
6	Stability and instability of the glenohumeral joint: The role of shoulder muscles. Journal of Shoulder and Elbow Surgery, 2005, 14, S32-S38.	1.2	235
7	Effect of Capsular Injury on Acromioclavicular Joint Mechanics. Journal of Bone and Joint Surgery - Series A, 2001, 83, 1344-1351.	1.4	232
8	Biomechanics of Knee Ligaments. American Journal of Sports Medicine, 1999, 27, 533-543.	1.9	223
9	Functional Evaluation of the Ligaments at the Acromioclavicular Joint during Anteroposterior and Superiorinferior Translation. American Journal of Sports Medicine, 1997, 25, 858-862.	1.9	171
10	Anatomy and Function of the Glenohumeral Ligaments in Anterior Shoulder Instability. Clinical Orthopaedics and Related Research, 2002, 400, 32-39.	0.7	168
11	Injury and Repair of Ligaments and Tendons. Annual Review of Biomedical Engineering, 2000, 2, 83-118.	5.7	158
12	Biomechanical function of surgical procedures for acromioclavicular joint dislocations. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2004, 20, 237-245.	1.3	143
13	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
14	Hill-Sachs Defects and Repair Using Osteoarticular Allograft Transplantation. American Journal of Sports Medicine, 2009, 37, 2459-2466.	1.9	136
15	A quantitative analysis of valgus torque on the ACL: A human cadaveric study. Journal of Orthopaedic Research, 2003, 21, 1107-1112.	1.2	130
16	Shoulder muscle forces and tendon excursions during glenohumeral abduction in the scapular plane. Journal of Shoulder and Elbow Surgery, 1995, 4, 199-208.	1.2	121
17	Ligament Mechanics During Three Degree-of-Freedom Motion at the Acromioclavicular Joint. Annals of Biomedical Engineering, 2000, 28, 612-618.	1.3	112
18	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

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19	In situ force distribution in the glenohumeral joint capsule during anterior-posterior loading. <i>Journal of Orthopaedic Research</i> , 1999, 17, 769-776.	1.2	93
20	Braided and Stacked Electrospun Nanofibrous Scaffolds for Tendon and Ligament Tissue Engineering. <i>Tissue Engineering - Part A</i> , 2017, 23, 378-389.	1.6	93
21	Tensile properties of the superior glenohumeral and coracohumeral ligaments. <i>Journal of Shoulder and Elbow Surgery</i> , 1996, 5, 249-254.	1.2	91
22	A new dynamic testing apparatus to study glenohumeral joint motion. <i>Journal of Biomechanics</i> , 1995, 28, 869-874.	0.9	88
23	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
24	Structural Properties of the Anterolateral Capsule and Iliotibial Band of the Knee. <i>American Journal of Sports Medicine</i> , 2016, 44, 892-897.	1.9	83
25	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.	1.4	80
26	Use of robotic technology for diarthrodial joint research. <i>Journal of Science and Medicine in Sport</i> , 1999, 2, 283-297.	0.6	79
27	The Anterolateral Capsule of the Knee Behaves Like a Sheet of Fibrous Tissue. <i>American Journal of Sports Medicine</i> , 2017, 45, 849-855.	1.9	76
28	Diagnostic accuracy of physical examination for anterior knee instability: a systematic review. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2015, 23, 2805-2813.	2.3	75
29	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.	1.9	63
30	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.	1.2	62
31	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
32	Macroscopic anatomical, histological and magnetic resonance imaging correlation of the lateral capsule of the knee. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2016, 24, 2854-2860.	2.3	61
33	Precision of ACL Tunnel Placement Using Traditional and Robotic Techniques. <i>Computer Aided Surgery</i> , 2001, 6, 270-278.	1.8	55
34	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.	1.3	52
35	Development of computer tablet software for clinical quantification of lateral knee compartment translation during the pivot shift test. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2016, 19, 217-228.	0.9	51
36	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.	1.3	46

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37	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.	1.2	46
38	Methodology and sensitivity studies for finite element modeling of the inferior glenohumeral ligament complex. <i>Journal of Biomechanics</i> , 2007, 40, 603-612.	0.9	45
39	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
40	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.	0.9	41
41	Viscoelastic behavior and structural properties of the coracoclavicular ligaments. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2003, 13, 305-310.	1.3	40
42	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.	2.3	40
43	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.	1.2	38
44	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.	1.2	37
45	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.	1.9	37
46	Decreasing glenoid inclination improves function in shoulders with simulated massive rotator cuff tears. <i>Clinical Biomechanics</i> , 2006, 21, 942-949.	0.5	36
47	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
48	Basic biomechanic principles of knee instability. <i>Current Reviews in Musculoskeletal Medicine</i> , 2016, 9, 114-122.	1.3	32
49	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.	1.4	32
50	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.	1.9	32
51	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.	1.2	31
52	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.	0.9	29
53	Bi-directional mechanical properties of the posterior region of the glenohumeral capsule. <i>Journal of Biomechanics</i> , 2005, 38, 1365-1369.	0.9	28
54	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.	1.2	27

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55	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.	1.4	27
56	Acromial morphology: Effects of suboptimal radiographs. <i>Journal of Shoulder and Elbow Surgery</i> , 2007, 16, 135-142.	1.2	26
57	Comparison of 3-Dimensional Computed Tomography-Based Measurement of Glenoid Bone Loss With Arthroscopic Defect Size Estimation in Patients With Anterior Shoulder Instability. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2015, 31, 1880-1885.	1.3	26
58	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.	1.3	26
59	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.	1.3	26
60	Influence of varying compressive loading methods on physiologic motion patterns in the cervical spine. <i>Journal of Biomechanics</i> , 2016, 49, 167-172.	0.9	25
61	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.	2.5	25
62	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.	1.9	24
63	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.	0.9	23
64	Strain distribution due to propagation of tears in the anterior supraspinatus tendon. <i>Journal of Orthopaedic Research</i> , 2014, 32, 1283-1289.	1.2	23
65	Effects of exercise therapy for the treatment of asymptomatic full-thickness supraspinatus tears on in vivo glenohumeral kinematics. <i>Journal of Shoulder and Elbow Surgery</i> , 2016, 25, 641-649.	1.2	22
66	Female sex is associated with greater rotatory knee laxity in collegiate athletes. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2018, 26, 1319-1325.	2.3	22
67	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.	0.7	22
68	The effect of the point of application of anterior tibial loads on human knee kinematics. <i>Journal of Biomechanics</i> , 2000, 33, 1147-1152.	0.9	21
69	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
70	Correlation between a 2D simple image analysis method and 3D bony motion during the pivot shift test. <i>Knee</i> , 2016, 23, 1059-1063.	0.8	21
71	Precision of ACL tunnel placement using traditional and robotic techniques. <i>Computer Aided Surgery</i> , 2001, 6, 270-8.	1.8	21
72	Quantitative analysis of the patella following the harvest of a quadriceps tendon autograft with a bone block. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2016, 24, 2899-2905.	2.3	20

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73	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.	0.6	19
74	Adaptive glenoid bone remodeling simulation. <i>Journal of Biomechanics</i> , 2009, 42, 1460-1468.	0.9	19
75	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.	1.6	19
76	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.	0.6	19
77	Novel technique for evaluation of knee function continuously through the range of flexion. <i>Journal of Biomechanics</i> , 2015, 48, 3728-3731.	0.9	18
78	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.	1.2	18
79	The Impact of Glenoid Labrum Thickness and Modulus on Labrum and Glenohumeral Capsule Function. <i>Journal of Biomechanical Engineering</i> , 2010, 132, 121003.	0.6	17
80	Biological responses to flexion/extension in spinal segments <i>ex vivo</i> . <i>Journal of Orthopaedic Research</i> , 2015, 33, 1255-1264.	1.2	17
81	The Effect of Size and Location of Tears in the Supraspinatus Tendon on Potential Tear Propagation. <i>Journal of Biomechanical Engineering</i> , 2015, 137, 081012.	0.6	17
82	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.	1.2	16
83	Augmented repair of radial meniscus tear with biomimetic electrospun scaffold: an in vitro mechanical analysis. <i>Journal of Experimental Orthopaedics</i> , 2016, 3, 23.	0.8	16
84	Material Properties of the Axillary Pouch of the Glenohumeral Capsule: Is Isotropic Material Symmetry Appropriate?. <i>Journal of Biomechanical Engineering</i> , 2009, 131, 031007.	0.6	15
85	Effect of Tear Location on Propagation of Isolated Supraspinatus Tendon Tears During Increasing Levels of Cyclic Loading. <i>Journal of Bone and Joint Surgery - Series A</i> , 2015, 97, 273-278.	1.4	14
86	Use of Robotic Manipulators to Study Diarthrodial Joint Function. <i>Journal of Biomechanical Engineering</i> , 2017, 139, .	0.6	13
87	Effects of tear size and location on predictions of supraspinatus tear propagation. <i>Journal of Biomechanics</i> , 2018, 68, 51-57.	0.9	12
88	Elbow Biomechanics: Soft Tissue Stabilizers. <i>Journal of Hand Surgery</i> , 2020, 45, 140-147.	0.7	12
89	Tensile properties of a split quadriceps graft for ACL reconstruction. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2017, 25, 1249-1254.	2.3	11
90	Interfragmentary Compression Forces Vary Based on Scaphoid Bone Screw Type and Fracture Location. <i>Hand</i> , 2019, 14, 371-376.	0.7	11

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91	Injury to the anteroinferior glenohumeral capsule during anterior dislocation. <i>Clinical Biomechanics</i> , 2013, 28, 140-145.	0.5	10
92	Changes to the mechanical properties of the glenohumeral capsule during anterior dislocation. <i>Journal of Biomechanics</i> , 2014, 47, 464-469.	0.9	10
93	Altered shoulder kinematics using a new model for multiple dislocations-induced Bankart lesions. <i>Clinical Biomechanics</i> , 2019, 70, 131-136.	0.5	10
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.	1.2	9
95	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.	1.9	9
96	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.	1.3	9
97	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.	2.3	9
98	Effects of Tendon Degeneration on Predictions of Supraspinatus Tear Propagation. <i>Annals of Biomedical Engineering</i> , 2019, 47, 154-161.	1.3	9
99	Capsule function following anterior dislocation: Implications for diagnosis of shoulder instability. <i>Journal of Orthopaedic Research</i> , 2013, 31, 962-968.	1.2	8
100	Structural Properties of the Anterolateral Complex and Their Clinical Implications. <i>Clinics in Sports Medicine</i> , 2018, 37, 41-47.	0.9	8
101	Hybrid Fixation Restores Tibiofibular Kinematics for Early Weightbearing After Syndesmotic Injury. <i>Orthopaedic Journal of Sports Medicine</i> , 2020, 8, 232596712094674.	0.8	8
102	Small lateral meniscus tears propagate over time in ACL intact and deficient knees. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2021, 29, 3068-3076.	2.3	8
103	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.	1.2	8
104	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.	0.8	7
105	Effects of simulated injury on the anteroinferior glenohumeral capsule. <i>Medical and Biological Engineering and Computing</i> , 2012, 50, 1299-1307.	1.6	7
106	A reliable method for classifying acromial shape. <i>International Biomechanics</i> , 2015, 2, 36-42.	0.9	7
107	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.	2.3	7
108	Influence of knee position and examiner-induced motion on the kinematics of the pivot shift. <i>Journal of Experimental Orthopaedics</i> , 2019, 6, 11.	0.8	7

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109	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.	0.8	7
110	Non-uniform strain distribution in anterolateral capsule of knee: Implications for surgical repair. <i>Journal of Orthopaedic Research</i> , 2019, 37, 1025-1032.	1.2	6
111	Effect of arthroscopic procedures on the acromioclavicular joint. <i>Clinical Orthopaedics and Related Research</i> , 2003, , 89-96.	0.7	6
112	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.	2.3	5
113	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.	1.3	5
114	Does Repair of a Hill-Sachs Defect Increase Stability at the Glenohumeral Joint?. <i>Orthopaedic Journal of Sports Medicine</i> , 2016, 4, 232596711664509.	0.8	5
115	Development and validation of a kinematically-driven discrete element model of the patellofemoral joint. <i>Journal of Biomechanics</i> , 2019, 88, 164-172.	0.9	5
116	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.	2.3	5
117	Optimization of compressive loading parameters to mimic in vivo cervical spine kinematics in vitro. <i>Journal of Biomechanics</i> , 2019, 87, 107-113.	0.9	4
118	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.	1.5	4
119	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.	0.6	4
120	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.	1.2	4
121	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.	2.5	4
122	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.	2.3	4
123	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.	1.2	4
124	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.	1.2	4
125	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.	0.9	3
126	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.	1.4	3

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127	Impact of Screw Length on Proximal Scaphoid Fracture Biomechanics. Journal of Wrist Surgery, 2019, 08, 360-365.	0.3	3
128	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.	1.3	2
129	Secondary Stabilizers of the Anterior Cruciate Ligamentâ€”Deficient Knee. Operative Techniques in Orthopaedics, 2017, 27, 107-112.	0.2	2
130	Effect of localized tendon remodeling on supraspinatus tear propagation. Journal of Biomechanics, 2020, 108, 109903.	0.9	2
131	A Validated, Specimen-Specific Finite Element Model of the Supraspinatus Tendon Mechanical Environment. Journal of Biomechanical Engineering, 2019, 141, .	0.6	2
132	Effects of External Rotation on Anteroposterior Translations in the Shoulder: A Pilot Study. Clinical Orthopaedics and Related Research, 2014, 472, 2397-2403.	0.7	1
133	Biomechanical evaluation of knee endpoint during anterior tibial loading: Implication for physical exams. Knee, 2017, 24, 258-263.	0.8	1
134	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. Sports Orthopaedics and Traumatology, 2017, 33, 57-64.	0.1	1
135	Anatomy and Function of the Anterolateral Capsule Structures. , 2017, , 15-25.		1
136	Estimation of ACL Forces Utilizing a Novel Non-Invasive Methodology That Reproduces Knee Kinematics Between Sets of Knees. , 2003, , .		1
137	Continuous-Loop Tape Technique Has Greater Stiffness and Less Elongation Compared With Tied-Suture Fixation of Full-Thickness Allâ€”Soft Tissue Quadriceps Tendon Autografts. Orthopaedic Journal of Sports Medicine, 2021, 9, 232596712110541.	0.8	1
138	Assessing the accuracy of arthroscopic and open measurements of the size of rotator cuff tears: A simulation-based study. World Journal of Orthopedics, 2021, 12, 983-990.	0.8	1
139	Authors' Reply. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2016, 32, 730-731.	1.3	0
140	Beyond the Anterolateral Ligament: Response. American Journal of Sports Medicine, 2017, 45, NP18-NP19.	1.9	0
141	In Vitro Biomechanical Analysis of Knee Rotational Stability. , 2017, , 3-14.		0
142	Superior clavicle drilling points and fluoroscopic inclination for anatomic coracoclavicular ligament reconstruction: a cadaveric study. Knee Surgery, Sports Traumatology, Arthroscopy, 2019, 27, 3813-3820.	2.3	0
143	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). The Proceedings of the Asian Pacific Conference on Biomechanics Emerging Science and Technology in Biomechanics, 2015. 2015.8. 90.	0.0	0
144	The correlation of quantitative ultrasound measures and supraspinatus tendon quality: A pilot study. Journal of Medical Ultrasound, 2020, 28, 162.	0.2	0

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145	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.	0.9	0