James A Johnson

List of Publications by Year
in descending order

221 papers	7,306 citations	44042 48 h-index	76872 74 g-index
221 all docs	221 docs citations	221 times ranked	3086 citing authors

#	Article	IF	Citations
1	Accuracy of an electromagnetic tracking device: A study of the optimal operating range and metal interference. Journal of Biomechanics, 1996, 29, 791-793.	0.9	264
2	Ligamentous Stabilizers Against Posterolateral Rotatory Instability of the Elbow. Journal of Bone and Joint Surgery - Series A, 2001, 83, 1823-1828.	1.4	239
3	The Effect of Radial Head Excision and Arthroplasty on Elbow Kinematics and Stability. Journal of Bone and Joint Surgery - Series A, 2004, 86, 1730-1739.	1.4	207
4	The Effect of Anteromedial Facet Fractures of the Coronoid and Lateral Collateral Ligament Injury on Elbow Stability and Kinematics. Journal of Bone and Joint Surgery - Series A, 2009, 91, 1448-1458.	1.4	158
5	Metallic Radial Head Arthroplasty Improves Valgus Stability of the Elbow. Clinical Orthopaedics and Related Research, 1999, 368, 114???125.	0.7	139
6	Muscle Forces and Pronation Stabilize the Lateral Ligament Deficient Elbow. Clinical Orthopaedics and Related Research, 2001, 388, 118-124.	0.7	133
7	Soft-tissue stabilizers of the distal radioulnar joint: an in vitro kinematic study. Journal of Hand Surgery, 2004, 29, 423-431.	0.7	131
8	Does the dynamic sling effect of the Latarjet procedure improve shoulder stability? A biomechanical evaluation. Journal of Shoulder and Elbow Surgery, 2013, 22, 821-827.	1.2	125
9	An anthropometric study of the radial head. Journal of Arthroplasty, 2001, 16, 112-116.	1.5	124
10	Distal Biceps Brachii Tendon Repair. American Journal of Sports Medicine, 1998, 26, 428-432.	1.9	121
11	Implant Design Variations in Reverse Total Shoulder Arthroplasty Influence the Required Deltoid Force and Resultant Joint Load. Clinical Orthopaedics and Related Research, 2015, 473, 3615-3626.	0.7	120
12	Improved accuracy of computer assisted glenoid implantation in total shoulder arthroplasty: An in-vitro randomized controlled trial. Journal of Shoulder and Elbow Surgery, 2009, 18, 907-914.	1.2	118
13	A biomechanical comparison of four reconstruction techniques for the medial collateral ligament-deficient elbow. Journal of Shoulder and Elbow Surgery, 2005, 14, 207-215.	1.2	116
14	Comparison of proximal humeral bone stresses between stemless, short stem, and standard stem length: a finite element analysis. Journal of Shoulder and Elbow Surgery, 2016, 25, 1076-1083.	1.2	110
15	Rehabilitation of the medial collateral ligament-deficient elbow: An in vitro biomechanical study. Journal of Hand Surgery, 2000, 25, 1051-1057.	0.7	99
16	Effect of screw placement on fixation in the humeral head. Journal of Shoulder and Elbow Surgery, 2000, 9, 423-426.	1.2	99
17	The effect of glenosphere diameter in reverse shoulder arthroplasty on muscle force, joint load, and range of motion. Journal of Shoulder and Elbow Surgery, 2015, 24, 972-979.	1.2	97
18	Implant positioning in reverse shoulder arthroplasty has an impact on acromial stresses. Journal of Shoulder and Elbow Surgery, 2016, 25, 1889-1895.	1.2	96

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19	Determination of Correct Implant Size in Radial Head Arthroplasty to Avoid Overlengthening. Journal of Bone and Joint Surgery - Series A, 2009, 91, 1738-1746.	1.4	93
20	The Effect of the Remplissage Procedure on Shoulder Stability and Range of Motion. Journal of Bone and Joint Surgery - Series A, 2012, 94, 1003-1012.	1.4	81
21	The effect of metallic radial head arthroplasty on radiocapitellar joint contact area. Clinical Biomechanics, 2003, 18, 115-118.	0.5	80
22	The effect of suture fixation of type I coronoid fractures on the kinematics and stability of the elbow with and without medial collateral ligament repair. Journal of Shoulder and Elbow Surgery, 2007, 16, 213-217.	1.2	79
23	The effect of coronoid fractures on elbow kinematics and stability. Clinical Biomechanics, 2007, 22, 183-190.	0.5	78
24	Electromyographic activity and strength during maximum isometric pronation and supination efforts in healthy adults. Journal of Orthopaedic Research, 2004, 22, 208-213.	1.2	77
25	Moderate to large engaging Hill-Sachs defects: an inÂvitro biomechanical comparison of the remplissage procedure, allograft humeral head reconstruction, and partial resurfacing arthroplasty. Journal of Shoulder and Elbow Surgery, 2012, 21, 1142-1151.	1.2	75
26	The Subacromial Balloon Spacer Versus Superior Capsular Reconstruction in the Treatment of Irreparable Rotator Cuff Tears: A Biomechanical Assessment. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2019, 35, 382-389.	1.3	75
27	Simulation of elbow and forearm motion in vitro using a load controlled testing apparatus. Journal of Biomechanics, 2000, 33, 635-639.	0.9	74
28	Single-strand reconstruction of the lateral ulnar collateral ligament restores varus and posterolateral rotatory stability of the elbow. Journal of Shoulder and Elbow Surgery, 2002, 11, 60-64.	1.2	68
29	Interfragmentary compression across a simulated scaphoid fractureâ€”analysis of 3 screws. Journal of Hand Surgery, 2004, 29, 273-278.	0.7	68
30	An anthropometric study of the bilateral anatomy of the humerus. Journal of Shoulder and Elbow Surgery, 2007, 16, 477-483.	1.2	68
31	Kinematics and stability of the fractured and implant-reconstructed radial head. Journal of Shoulder and Elbow Surgery, 2005, 14, S195-S201.	1.2	67
32	The Bristow and Latarjet Procedures: Why These Techniques Should Not Be Considered Synonymous. Journal of Bone and Joint Surgery - Series A, 2014, 96, 1340-1348.	1.4	67
33	Biomechanical Analysis of Fixation of Middle Third Fractures of the Clavicle. Journal of Orthopaedic Trauma, 2011, 25, 39-43.	0.7	60
34	Simulated active control produces repeatable motion pathways of the elbow in an in vitro testing system. Journal of Biomechanics, 2001, 34, 1039-1048.	0.9	58
35	The effect of radial head fracture size on elbow kinematics and stability. Journal of Orthopaedic Research, 2005, 23, 210-217.	1.2	58
36	Contact mechanics of reverse total shoulder arthroplasty during abduction: the effect of neck-shaft angle, humeral cup depth, and glenosphere diameter. Journal of Shoulder and Elbow Surgery, 2016, 25, 589-597.	1.2	58

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37	Supplemental pinning improves the stability of external fixation in distal radius fractures during simulated finger and forearm motion. Journal of Hand Surgery, 1999, 24, 992-1000.	0.7	54
38	Contribution of the Olecranon to Elbow Stability. Journal of Bone and Joint Surgery - Series A, 2010, 92, 949-957.	1.4	53
39	Patellar position after total knee arthroplasty. Journal of Arthroplasty, 2003, 18, 458-465.	1.5	52
40	Comparison of Distal Radioulnar Joint Reconstructions Using an Active Joint Motion Simulator. Journal of Hand Surgery, 2005, 30, 733-742.	0.7	52
41	Fatigue of acrylic bone cement-effect of frequency and environment. Journal of Biomedical Materials Research Part B, 1989, 23, 819-831.	3.0	51
42	Single-strand ligament reconstruction of the medial collateral ligament restores valgus elbow stability. Journal of Shoulder and Elbow Surgery, 2002, 11, 65-71.	1.2	51
43	The Effect of Medial Collateral Ligament Repair Tension on Elbow Joint Kinematics and Stability. Journal of Hand Surgery, 2007, 32, 1210-1217.	0.7	51
44	Do the Traditional and Modified Latarjet Techniques Produce Equivalent Reconstruction Stability and Strength?. American Journal of Sports Medicine, 2012, 40, 2801-2807.	1.9	51
45	Classic Versus Congruent Coracoid Positioning During the Latarjet Procedure: An In Vitro Biomechanical Comparison. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2013, 29, 309-316.	1.3	51
46	Cyclic testing of flexor tendon repairs: An in vitro biomechanical study. Journal of Hand Surgery, 1997, 22, 1004-1010.	0.7	50
47	The rotator cuff muscles are antagonists after reverse total shoulder arthroplasty. Journal of Shoulder and Elbow Surgery, 2016, 25, 1592-1600.	1.2	50
48	Influence of the pronator quadratus and supinator muscle load on DRUJ stability. Journal of Hand Surgery, 2003, 28, 943-950.	0.7	49
49	Resistance to Disruption and Gapping of Peripheral Nerve Repairs: An In Vitro Biomechanical Assessment of Techniques. Journal of Reconstructive Microsurgery, 2004, 20, 645-650.	1.0	49
50	The effect of radial head fracture size on radiocapitellar joint stability. Clinical Biomechanics, 2003, 18, 677-681.	0.5	47
51	Surgeon accuracy in the selection of the flexion-extension axis of the elbow: An in vitro study. Journal of Shoulder and Elbow Surgery, 2006, 15, 451-456.	1.2	47
52	Lateral Collateral Ligament Repair Restores the Initial Varus Stability of the Elbow: An In Vitro Biomechanical Study. Journal of Orthopaedic Trauma, 2008, 22, 615-623.	0.7	47
53	Effect of coronal shear fractures of the distal humerus on elbow kinematics and stability. Journal of Shoulder and Elbow Surgery, 2010, 19, 670-680.	1.2	47
54	The Medial Collateral Ligament of the Elbow is not Isometric. American Journal of Sports Medicine, 2004, 32, 85-90.	1.9	46

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55	The effect of muscle loading on the kinematics of in vitro glenohumeral abduction. Journal of Biomechanics, 2007, 40, 2953-2960.	0.9	46
56	Determination of Correct Implant Size in Radial Head Arthroplasty to Avoid Overlengthening. Journal of Bone and Joint Surgery - Series A, 2010, 92, 250-257.	1.4	46
57	The shoulder remplissage procedure for Hill-Sachs defects: does technique matter?. Journal of Shoulder and Elbow Surgery, 2013, 22, 835-841.	1.2	45
58	Remplissage Versus Latarjet for Engaging Hill-Sachs Defects Without Substantial Glenoid Bone Loss: A Biomechanical Comparison. Clinical Orthopaedics and Related Research, 2014, 472, 2363-2371.	0.7	44
59	Comminuted Talar Neck Fractures: A Mechanical Comparison of Fixation Techniques. Journal of Orthopaedic Trauma, 2007, 21, 47-51.	0.7	43
60	Variability and repeatability of the flexion axis at the ulnohumeral joint. Journal of Orthopaedic Research, 2003, 21, 399-404.	1.2	42
61	Early experience with computer-assisted shoulder hemiarthroplasty for fractures of the proximal humerus: Development of a novel technique and an in vitro comparison with traditional methods. Journal of Shoulder and Elbow Surgery, 2007, 16, S117-S125.	1.2	42
62	Accuracy assessment of 3D bone reconstructions using CT: an intro comparison. Medical Engineering and Physics, 2015, 37, 729-738.	0.8	42
63	Does Humeral Component Lateralization in Reverse Shoulder Arthroplasty Affect Rotator Cuff Torque? Evaluation in a Cadaver Model. Clinical Orthopaedics and Related Research, 2017, 475, 2564-2571.	0.7	41
64	The flat spot of the proximal ulna: a useful anatomic landmark in total elbow arthroplasty. Journal of Shoulder and Elbow Surgery, 2004, 13, 206-207.	1.2	39
65	Morphologic analysis of the distal humerus with special interest in elbow implant sizing and alignment. Journal of Shoulder and Elbow Surgery, 2007, 16, S126-S132.	1.2	39
66	Effect of the Posterior Bundle of the Medial Collateral Ligament on Elbow Stability. Journal of Hand Surgery, 2009, 34, 116-123.	0.7	39
67	Development of an active elbow flexion simulator to evaluate joint kinematics with the humerus in the horizontal position. Journal of Biomechanics, 2010, 43, 2114-2119.	0.9	38
68	Advanced Cement Technique Improves Fixation in Elbow Arthroplasty. Clinical Orthopaedics and Related Research, 1997, 334, 150???156.	0.7	37
69	Design and development of a computer assisted glenoid implantation technique for shoulder replacement surgery. Computer Aided Surgery, 2007, 12, 152-159.	1.8	37
70	Validation of a finite element model of the human elbow for determining cartilage contact mechanics. Journal of Biomechanics, 2013, 46, 1767-1771.	0.9	37
71	Development of a motion-controlled in vitro elbow testing system. Journal of Orthopaedic Research, 2003, 21, 405-411.	1.2	36
72	Computer-Assisted Gap Equalization in Total Knee Arthroplasty. Journal of Arthroplasty, 2007, 22, 334-342.	1.5	36

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73	Distal Radioulnar Joint Kinematics in Simulated Dorsally Angulated Distal Radius Fractures. Journal of Hand Surgery, 2014, 39, 656-663.	0.7	36
74	The influence of type II coronoid fractures, collateral ligament injuries, and surgical repair on the kinematics and stability of the elbow: An in vitro biomechanical study. Journal of Shoulder and Elbow Surgery, 2009, 18, 408-417.	1.2	35
75	Morphologic analysis of the proximal ulna with special interest in elbow implant sizing and alignment. Journal of Shoulder and Elbow Surgery, 2009, 18, 27-32.	1.2	34
76	Image-based navigation improves the positioning of the humeral component in total elbow arthroplasty. Journal of Shoulder and Elbow Surgery, 2010, 19, 533-543.	1.2	34
77	Reconstruction of the Coronoid Process Using the Tip of the Ipsilateral Olecranon. Journal of Bone and Joint Surgery - Series A, 2014, 96, 590-596.	1.4	32
78	Mechanical properties of cancellous bone of the distal humerus. Clinical Biomechanics, 2005, 20, 834-838.	0.5	31
79	The effect of the conjoined tendon of the short head of the biceps and coracobrachialis on shoulder stability and kinematics during in-vitro simulation. Journal of Biomechanics, 2011, 44, 1192-1195.	0.9	30
80	The effect of flexor tendon repair bulk on tendon gliding during simulated active motion: An in vitro comparison of two-strand and six-strand techniques. Journal of Hand Surgery, 2001, 26, 833-840.	0.7	29
81	Development of an image-based technique to examine joint congruency at the elbow. Computer Methods in Biomechanics and Biomedical Engineering, 2013, 16, 280-290.	0.9	29
82	The effect of implant malalignment on joint loading in total elbow arthroplasty: an inÂvitro study. Journal of Shoulder and Elbow Surgery, 2012, 21, 1032-1038.	1.2	28
83	An anthropometric study of the distal humerus. Journal of Shoulder and Elbow Surgery, 2014, 23, 463-469.	1.2	28
84	Internal fixation of radial neck fractures: an in vitro biomechanical analysis. Clinical Biomechanics, 2004, 19, 358-361.	0.5	27
85	In vitro kinematics of the shoulder following rotator cuff injury. Clinical Biomechanics, 2007, 22, 1068-1073.	0.5	27
86	Glenoid vault endosteal dimensions: An anthropometric study with special interest in implant design. Journal of Shoulder and Elbow Surgery, 2007, 16, S96-S101.	1.2	27
87	The effect of distal humeral hemiarthroplasty on articular contact of the elbow. Clinical Biomechanics, 2014, 29, 537-544.	0.5	27
88	Computer assisted surgery of the distal humerus can employ contralateral images for pre-operative planning, registration, and surgical intervention. Journal of Shoulder and Elbow Surgery, 2009, 18, 469-477.	1.2	26
89	Suture Anchor Fixation of Bony Bankart Fractures. American Journal of Sports Medicine, 2013, 41, 2624-2631.	1.9	26
90	Effect of Radial Head Implant Shape on Joint Contact Area and Location During Static Loading. Journal of Hand Surgery, 2015, 40, 716-722.	0.7	26

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91	The effect of stemless humeral component fixation feature design on bone stress and strain response: a finite element analysis. Journal of Shoulder and Elbow Surgery, 2018, 27, 2232-2241.	1.2	26
92	Efficacy of interference screw and double-docking methods using palmaris longus and GraftJacket for medial collateral ligament reconstruction of the elbow. Journal of Shoulder and Elbow Surgery, 2007, 16, 449-453.	1.2	25
93	The Effect of a Coronoid Prosthesis on Restoring Stability to the Coronoid-Deficient Elbow: A Biomechanical Study. Journal of Hand Surgery, 2013, 38, 1753-1761.	0.7	25
94	Optimizing the rehabilitation of elbow lateral collateral ligament injuries: a biomechanical study. Journal of Shoulder and Elbow Surgery, 2017, 26, 596-603.	1.2	25
95	Application of screw displacement axes to quantify elbow instability. Clinical Biomechanics, 2003, 18, 303-310.	0.5	24
96	Cyclic Loading of Rotator Cuff Repairs: An In Vitro Biomechanical Comparison of Bioabsorbable Tacks With Transosseous Sutures. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2005, 21, 875-880.	1.3	24
97	Reconstruction of the coronoid using an extended prosthesis: an inÂvitro biomechanical study. Journal of Shoulder and Elbow Surgery, 2012, 21, 969-976.	1.2	24
98	The effect of the subacromial balloon spacer on humeral head translation in the treatment of massive, irreparable rotator cuff tears: a biomechanical assessment. Journal of Shoulder and Elbow Surgery, 2019, 28, 1841-1847.	1.2	24
99	Mechanical Properties of Subchondral Cancellous Bone of the Radial Head. Journal of Orthopaedic Trauma, 2003, 17, 285-289.	0.7	23
100	Role of an Anterior Flange on Cortical Strains Through the Distal Humerus After Total Elbow Arthroplasty With a Latitude Implant. Journal of Hand Surgery, 2008, 33, 927-931.	0.7	23
101	Rehabilitation of the Medial- and Lateral Collateral Ligament-deficient Elbow: An InÂVitro Biomechanical Study. Journal of Hand Therapy, 2012, 25, 363-373.	0.7	23
102	Effect of Volarly Angulated Distal Radius Fractures on Forearm Rotation and Distal Radioulnar Joint Kinematics. Journal of Hand Surgery, 2015, 40, 2236-2242.	0.7	23
103	An anthropometric study of the distal ulna: Implications for implant design. Journal of Hand Surgery, 2002, 27, 57-60.	0.7	22
104	The Effect of Multiplanar Distal Radius Fractures on Forearm Rotation: In Vitro Biomechanical Study. Journal of Hand Surgery, 2009, 34, 838-848.	0.7	22
105	Identifying the Location and Volume of Bony Impingement in Elbow Osteoarthritis by 3-Dimensional Computational Modeling. Journal of Hand Surgery, 2013, 38, 1370-1376.	0.7	22
106	Load relaxation and forces with activity in hoffman external fixators: A clinical study in patients with Colles' fractures. Journal of Hand Surgery, 1998, 23, 926-932.	0.7	21
107	Contact analysis of the native radiocapitellar joint compared with axisymmetric and nonaxisymmetric radial head hemiarthroplasty. Journal of Shoulder and Elbow Surgery, 2015, 24, 787-795.	1.2	21
108	Does keel size, the use of screws, and the use of bone cement affect fixation of a metal glenoid implant?. Journal of Shoulder and Elbow Surgery, 2003, 12, 268-275.	1.2	20

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109	Tensile Strength of Healing Peripheral Nerves. Journal of Reconstructive Microsurgery, 2003, 19, 483-488.	1.0	19
110	Humeral head translation decreases with muscle loading. Journal of Shoulder and Elbow Surgery, 2008, 17, 132-138.	1.2	19
111	Stem abutment affects alignment of the humeral component in computer-assisted elbow arthroplasty. Journal of Shoulder and Elbow Surgery, 2011, 20, 891-898.	1.2	19
112	Selecting the diameter of a radial head implant: an assessment of local landmarks. Journal of Shoulder and Elbow Surgery, 2013, 22, 1395-1399.	1.2	19
113	The Effect of Radial Head Implant Length on Radiocapitellar Articular Properties and Load Transfer Within the Forearm. Journal of Orthopaedic Trauma, 2014, 28, 348-353.	0.7	19
114	Comparing daily shoulder motion and frequency after anatomic and reverse shoulder arthroplasty. Journal of Shoulder and Elbow Surgery, 2018, 27, 325-332.	1.2	19
115	Occlusion and stability of synthetic femoral canal plugs used in cemented hip arthroplasty. Journal of Applied Biomaterials: an Official Journal of the Society for Biomaterials, 1995, 6, 213-218.	1.1	18
116	Some basic biomechanical characteristics of medullary pressure generation during reaming of the femur. Injury, 1995, 26, 451-454.	0.7	18
117	Assessment of screw displacement axis accuracy and repeatability for joint kinematic description using an electromagnetic tracking device. Journal of Biomechanics, 2004, 37, 163-167.	0.9	18
118	Development of a computational technique to measure cartilage contact area. Journal of Biomechanics, 2014, 47, 1193-1197.	0.9	18
119	Carpal Kinematics following Sequential Scapholunate Ligament Sectioning. Journal of Wrist Surgery, 2019, 08, 124-131.	0.3	18
120	The impact of capitellar arthroplasty on elbow contact mechanics: Implications for implant design. Clinical Biomechanics, 2011, 26, 458-463.	0.5	17
121	An assessment of proximal humerus density with reference to stemless implants. Journal of Shoulder and Elbow Surgery, 2018, 27, 641-649.	1.2	17
122	The effect of short-stem humeral component sizing on humeral bone stress. Journal of Shoulder and Elbow Surgery, 2020, 29, 761-767.	1.2	17
123	Design and implementation of an instrumented ulnar head prosthesis to measure loads in vitro. Journal of Biomechanics, 2006, 39, 1335-1341.	0.9	16
124	The effect of radial head implant shape on radiocapitellar kinematics during inÂvitro forearm rotation. Journal of Shoulder and Elbow Surgery, 2015, 24, 258-264.	1.2	16
125	The effect of cement restrictors on the occlusion of the humeral canal. Journal of Arthroplasty, 2000, 15, 113-119.	1.5	15
126	The effect of anatomic landmark selection of the distal humerus on registration accuracy in computer-assisted elbow surgery. Journal of Shoulder and Elbow Surgery, 2008, 17, 833-843.	1.2	15

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127	In vitro assessment of the contact mechanics of reverse-engineered distal humeral hemiarthroplasty prostheses. Clinical Biomechanics, 2014, 29, 990-996.	0.5	15
128	Hemiarthroplasty of the elbow: the effect of implant size on joint congruency. Journal of Shoulder and Elbow Surgery, 2016, 25, 297-303.	1.2	15
129	The influence of reverse arthroplasty humeral component design features on scapular spine strain. Journal of Shoulder and Elbow Surgery, 2021, 30, 572-579.	1.2	15
130	The influence of implant articular thickness and glenohumeral conformity on stability of an all-metal glenoid component. Journal of Shoulder and Elbow Surgery, 2007, 16, 631-639.	1.2	14
131	Cementless fixation of radial head implants is affected by implant stem geometry: An in vitro study. Clinical Biomechanics, 2010, 25, 422-426.	0.5	14
132	Elbow Kinematics After Radiocapitellar Arthroplasty. Journal of Hand Surgery, 2012, 37, 1024-1032.	0.7	14
133	Utility of an image-based technique to detect changes in joint congruency following simulated joint injury and repair: An in vitro study of the elbow. Journal of Biomechanics, 2013, 46, 677-682.	0.9	14
134	Radial head implant diameter: A biomechanical assessment of the forgotten dimension. Clinical Biomechanics, 2015, 30, 444-447.	0.5	14
135	Contact mechanics of reverse engineered distal humeral hemiarthroplasty implants. Journal of Biomechanics, 2015, 48, 4037-4042.	0.9	13
136	Implications of Radial Head Hemiarthroplasty Dish Depth on Radiocapitellar Contact Mechanics. Journal of Hand Surgery, 2015, 40, 723-729.	0.7	13
137	The effect of humeral polyethylene insert constraint on reverse shoulder arthroplasty biomechanics. Shoulder and Elbow, 2018, 10, 25-31.	0.7	13
138	Accuracy assessment of an imaging technique to examine ulnohumeral joint congruency during elbow flexion. Computer Aided Surgery, 2012, 17, 142-152.	1.8	12
139	The effect of implant design of linked total elbow arthroplasty on stability and stress: a finite element analysis. Computer Methods in Biomechanics and Biomedical Engineering, 2014, 17, 1165-1172.	0.9	12
140	The Effect of Radial Head Hemiarthroplasty Geometry on Proximal Radioulnar Joint Contact Mechanics. Journal of Hand Surgery, 2016, 41, 745-752.	0.7	12
141	InÂVitro Kinematic Assessment of a Hinged Elbow Orthosis Following Lateral Collateral Ligament Injury. Journal of Hand Surgery, 2018, 43, 123-132.	0.7	12
142	Type E2 glenoid bone loss orientation and management with augmented implants. Journal of Shoulder and Elbow Surgery, 2020, 29, 1460-1469.	1.2	12
143	Motionâ€derived coordinate systems reduce interâ€subject variability of elbow flexion kinematics. Journal of Orthopaedic Research, 2011, 29, 596-601.	1.2	11
144	The effect of implant linking and ligament integrity on humeral loading of a convertible total elbow arthroplasty. Shoulder and Elbow, 2019, 11, 45-52.	0.7	11

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145	Double-screw and quadruple-button fixation for the glenoid: Latarjet versus bone block applications. JSES International, 2020, 4, 780-785.	0.7	11
146	The effect of load and plane of elevation on acromial stress after reverse shoulder arthroplasty. Shoulder and Elbow, 2021, 13, 388-395.	0.7	11
147	Humeral head translation during glenohumeral abduction following computer-assisted shoulder hemiarthroplasty. Journal of Bone and Joint Surgery: British Volume, 2008, 90-B, 1256-1259.	3.4	10
148	A biomechanical assessment of superior shoulder translation after reconstruction of anterior glenoid bone defects: The Latarjet procedure versus allograft reconstruction. International Journal of Shoulder Surgery, 2013, 7, 7.	1.5	10
149	Volar Subluxation of the Ulnar Head in Dorsal Translation Deformities of Distal Radius Fractures. Journal of Orthopaedic Trauma, 2015, 29, 295-300.	0.7	10
150	Arthrokinematics of the Distal Radioulnar Joint Measured Using Intercartilage Distance in an InÂVitro Model. Journal of Hand Surgery, 2018, 43, 283.e1-283.e9.	0.7	10
151	Glenoid baseplate screw fixation in reverse shoulder arthroplasty: does locking screw position and orientation matter?. Journal of Shoulder and Elbow Surgery, 2021, 30, 1207-1213.	1.2	10
152	Effect ofin vitro testing over extended periods on the low-load mechanical behaviour of dense connective tissues. Journal of Orthopaedic Research, 2000, 18, 678-681.	1.2	9
153	Defining the Flexion-Extension Axis of the Ulna: Implications for Intra-Operative Elbow Alignment. Journal of Biomechanical Engineering, 2009, 131, 021005.	0.6	9
154	The effect of decreasing computed tomography dosage on radiostereometric analysis (RSA) accuracy at the glenohumeral joint. Journal of Biomechanics, 2011, 44, 2847-2850.	0.9	9
155	An analysis of proximal humerus morphology with special interest in stemless shoulder arthroplasty. Journal of Shoulder and Elbow Surgery, 2018, 27, 650-658.	1.2	9
156	The Effect of Dorsally Angulated Distal Radius Deformities on Carpal Kinematics: An InÂVitro Biomechanical Study. Journal of Hand Surgery, 2018, 43, 1036.e1-1036.e8.	0.7	9
157	An InÂVitro Study to Determine the Effect of Ulnar Shortening on Distal Forearm Loading During Wrist and Forearm Motion: Implications in the Treatment of Ulnocarpal Impaction. Journal of Hand Surgery, 2019, 44, 669-679.	0.7	9
158	Role of the anconeus in the stability of a lateral ligament and common extensor originâ€“deficient elbow: an in vitro biomechanical study. Journal of Shoulder and Elbow Surgery, 2019, 28, 974-981.	1.2	9
159	Design and Validation of an Unconstrained Loading System to Measure the Envelope of Motion in the Rabbit Knee Joint. Journal of Biomechanical Engineering, 2001, 123, 347-354.	0.6	8
160	A comparison of registration techniques for computer- and image-assisted elbow surgery. Computer Aided Surgery, 2007, 12, 208-214.	1.8	8
161	The Effect of Triceps Repair Techniques Following Olecranon Excision on Elbow Stability and Extension Strength: An In Vitro Biomechanical Study. Journal of Orthopaedic Trauma, 2011, 25, 420-424.	0.7	8
162	Wear simulation strategies for reverse shoulder arthroplasty implants. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2016, 230, 458-469.	1.0	8

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163	Design of Anatomical Population-Based and Patient-Specific Radial Head Implants. Journal of Hand Surgery, 2017, 42, 924.e1-924.e11.	0.7	8
164	The Effectiveness of a Hinged Elbow Orthosis in Medial Collateral Ligament Injuries: An In Vitro Biomechanical Study. American Journal of Sports Medicine, 2019, 47, 2827-2835.	1.9	8
165	Density distribution of the type E2 glenoid in cuff tear arthropathy. Journal of Shoulder and Elbow Surgery, 2020, 29, 167-174.	1.2	8
166	An in-vitro biomechanical assessment of humeral head migration following irreparable rotator cuff tear and subacromial balloon reconstruction. Shoulder and Elbow, 2020, 12, 265-271.	0.7	8
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