

James A Johnson

List of Publications by Year in descending order

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Version: 2024-02-01

221
papers

7,306
citations

50566

48
h-index

87275

74
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221
all docs

221
docs citations

221
times ranked

3215
citing authors

#	ARTICLE	IF	CITATIONS
1	The biomechanical effectiveness of tendon transfers to restore rotation after reverse shoulder arthroplasty: latissimus versus lower trapezius. <i>Shoulder and Elbow</i> , 2022, 14, 48-54.	0.7	6
2	Overhead arm positioning in the rehabilitation of elbow dislocations: An in vitro biomechanical study. <i>Journal of Hand Therapy</i> , 2022, , .	0.7	5
3	Reverse shoulder arthroplasty glenoid lateralization influences scapular spine strains. <i>Shoulder and Elbow</i> , 2021, 13, 610-619.	0.7	6
4	The effect of load and plane of elevation on acromial stress after reverse shoulder arthroplasty. <i>Shoulder and Elbow</i> , 2021, 13, 388-395.	0.7	11
5	The role of biceps loading and muscle activation on radial head stability in anterior Monteggia injuries: An in vitro biomechanical study. <i>Journal of Hand Therapy</i> , 2021, 34, 376-383.	0.7	0
6	Comparing internal fixation constructs for scapular spine insufficiency fractures following reverse shoulder arthroplasty. <i>Journal of Shoulder and Elbow Surgery</i> , 2021, 30, 172-177.	1.2	5
7	The influence of reverse arthroplasty humeral component design features on scapular spine strain. <i>Journal of Shoulder and Elbow Surgery</i> , 2021, 30, 572-579.	1.2	15
8	Glenoid baseplate screw fixation in reverse shoulder arthroplasty: does locking screw position and orientation matter?. <i>Journal of Shoulder and Elbow Surgery</i> , 2021, 30, 1207-1213.	1.2	10
9	The Effect of Forearm Position on Wrist Joint Biomechanics. <i>Journal of Hand Surgery</i> , 2021, 46, 425.e1-425.e10.	0.7	4
10	Latissimus dorsi tendon transfer in reverse shoulder arthroplasty: transfer location affects strength. <i>JSES International</i> , 2021, 5, 277-281.	0.7	5
11	Regional apparent density correlations within the proximal humerus. <i>JSES International</i> , 2021, 5, 525-531.	0.7	3
12	The effect of hemiarthroplasty implant modulus on contact mechanics: an experimental investigation. <i>Journal of Shoulder and Elbow Surgery</i> , 2021, 30, 2845-2851.	1.2	2
13	The effect of humeral implant thickness and canal fill on interface contact and bone stresses in the proximal humerus. <i>JSES International</i> , 2021, 5, 881-888.	0.7	6
14	A comparison of patient-specific instrumentation to navigation for conducting humeral head osteotomies during shoulder arthroplasty. <i>JSES International</i> , 2021, 5, 875-880.	0.7	3
15	Total Elbow Arthroplasty: Design Considerations. , 2021, , 3-19.		1
16	Density distribution of the type E2 glenoid in cuff tear arthropathy. <i>Journal of Shoulder and Elbow Surgery</i> , 2020, 29, 167-174.	1.2	8
17	The effect of short-stem humeral component sizing on humeral bone stress. <i>Journal of Shoulder and Elbow Surgery</i> , 2020, 29, 761-767.	1.2	17
18	An in-vitro biomechanical assessment of humeral head migration following irreparable rotator cuff tear and subacromial balloon reconstruction. <i>Shoulder and Elbow</i> , 2020, 12, 265-271.	0.7	8

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19	Loading at the distal radius and ulna during active simulated dart throw motion. <i>Journal of Orthopaedics</i> , 2020, 22, 513-519.	0.6	2
20	Wear of humeral polyethylene cups in reverse total shoulder arthroplasty with simulated rim damage from scapular notching. <i>Biotribology</i> , 2020, 22, 100123.	0.9	3
21	Double-screw and quadruple-button fixation for the glenoid: Latarjet versus bone block applications. <i>JSES International</i> , 2020, 4, 780-785.	0.7	11
22	Elbow motion patterns during daily activity. <i>Journal of Shoulder and Elbow Surgery</i> , 2020, 29, 2007-2014.	1.2	7
23	Type E2 glenoid bone loss orientation and management with augmented implants. <i>Journal of Shoulder and Elbow Surgery</i> , 2020, 29, 1460-1469.	1.2	12
24	Effect of ulnar angulation and soft tissue sectioning on radial head stability in anterior Monteggia injuries: an in vitro biomechanical study. <i>Journal of Shoulder and Elbow Surgery</i> , 2020, 29, 1249-1258.	1.2	1
25	Hemiarthroplasty implants should have very low stiffness to optimize cartilage contact stress. <i>Journal of Orthopaedic Research</i> , 2020, 38, 1719-1726.	1.2	8
26	The effect of stem fit on the radiocapitellar contact mechanics of a metallic axisymmetric radial head hemiarthroplasty: is loose fit better than rigidly fixed?. <i>Journal of Shoulder and Elbow Surgery</i> , 2019, 28, 2394-2399.	1.2	6
27	An In Vitro Study to Determine the Effect of Ulnar Shortening on Distal Forearm Loading During Wrist and Forearm Motion: Implications in the Treatment of Ulnocarpal Impaction. <i>Journal of Hand Surgery</i> , 2019, 44, 669-679.	0.7	9
28	The effect of the subacromial balloon spacer on humeral head translation in the treatment of massive, irreparable rotator cuff tears: a biomechanical assessment. <i>Journal of Shoulder and Elbow Surgery</i> , 2019, 28, 1841-1847.	1.2	24
29	The Effectiveness of a Hinged Elbow Orthosis in Medial Collateral Ligament Injuries: An In Vitro Biomechanical Study. <i>American Journal of Sports Medicine</i> , 2019, 47, 2827-2835.	1.9	8
30	Role of the anconeus in the stability of a lateral ligament and common extensor origin deficient elbow: an in vitro biomechanical study. <i>Journal of Shoulder and Elbow Surgery</i> , 2019, 28, 974-981.	1.2	9
31	Effect of Radial Lengthening on Distal Forearm Loading Following Simulated In Vitro Radial Shortening During Simulated Dynamic Wrist Motion. <i>Journal of Hand Surgery</i> , 2019, 44, 556-563.e5.	0.7	5
32	Effect of Radial Neck Length on Joint Loading. <i>Journal of Shoulder and Elbow Arthroplasty</i> , 2019, 3, 247154921982996.	0.5	3
33	The effect of torsional moments on the posterolateral rotatory stability of a lateral ligament deficient elbow: An in vitro biomechanical investigation. <i>Clinical Biomechanics</i> , 2019, 67, 85-89.	0.5	5
34	The Effect of Inhomogeneous Trabecular Stiffness Relationship Selection on Finite Element Outcomes for Shoulder Arthroplasty. <i>Journal of Biomechanical Engineering</i> , 2019, 141, .	0.6	4
35	Carpal Kinematics following Sequential Scapholunate Ligament Sectioning. <i>Journal of Wrist Surgery</i> , 2019, 08, 124-131.	0.3	18
36	The Effect of Dorsal Angulation on Distal Radioulnar Joint Arthrokinematics Measured Using Intercartilage Distance. <i>Journal of Wrist Surgery</i> , 2019, 08, 010-017.	0.3	2

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37	The Subacromial Balloon Spacer Versus Superior Capsular Reconstruction in the Treatment of Irreparable Rotator Cuff Tears: A Biomechanical Assessment. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2019, 35, 382-389.	1.3	75
38	The effect of implant linking and ligament integrity on humeral loading of a convertible total elbow arthroplasty. <i>Shoulder and Elbow</i> , 2019, 11, 45-52.	0.7	11
39	An assessment of proximal humerus density with reference to stemless implants. <i>Journal of Shoulder and Elbow Surgery</i> , 2018, 27, 641-649.	1.2	17
40	An analysis of proximal humerus morphology with special interest in stemless shoulder arthroplasty. <i>Journal of Shoulder and Elbow Surgery</i> , 2018, 27, 650-658.	1.2	9
41	The Effect of Dorsally Angulated Distal Radius Deformities on Carpal Kinematics: An InÂVitro Biomechanical Study. <i>Journal of Hand Surgery</i> , 2018, 43, 1036.e1-1036.e8.	0.7	9
42	A computer and image-assisted guidance system for radial head arthroplasty. <i>Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization</i> , 2018, 6, 204-210.	1.3	0
43	Arthrokinematics of the Distal Radioulnar Joint Measured Using Intercartilage Distance in an InÂVitro Model. <i>Journal of Hand Surgery</i> , 2018, 43, 283.e1-283.e9.	0.7	10
44	The effect of humeral polyethylene insert constraint on reverse shoulder arthroplasty biomechanics. <i>Shoulder and Elbow</i> , 2018, 10, 25-31.	0.7	13
45	InÂVitro Kinematic Assessment of a Hinged Elbow Orthosis Following Lateral Collateral Ligament Injury. <i>Journal of Hand Surgery</i> , 2018, 43, 123-132.	0.7	12
46	Comparing daily shoulder motion and frequency after anatomic and reverse shoulder arthroplasty. <i>Journal of Shoulder and Elbow Surgery</i> , 2018, 27, 325-332.	1.2	19
47	Methods for Post Hoc Quantitative Computed Tomography Bone Density Calibration: Phantom-Only and Regression. <i>Journal of Biomechanical Engineering</i> , 2018, 140, .	0.6	4
48	The effect of stemless humeral component fixation feature design on bone stress and strain response: a finite element analysis. <i>Journal of Shoulder and Elbow Surgery</i> , 2018, 27, 2232-2241.	1.2	26
49	In-Vitro Quantification of Medial Collateral Ligament Tension in the Elbow. <i>Journal of Applied Biomechanics</i> , 2017, 33, 277-281.	0.3	5
50	Effect of Radial Head Implant Shape on Radiocapitellar Joint Congruency. <i>Journal of Hand Surgery</i> , 2017, 42, 476.e1-476.e11.	0.7	5
51	An InÂVitro Study of the Role of Implant Positioning on Ulnohumeral Articular Contact in Distal Humeral Hemiarthroplasty. <i>Journal of Hand Surgery</i> , 2017, 42, 602-609.	0.7	5
52	Does Humeral Component Lateralization in Reverse Shoulder Arthroplasty Affect Rotator Cuff Torque? Evaluation in a Cadaver Model. <i>Clinical Orthopaedics and Related Research</i> , 2017, 475, 2564-2571.	0.7	41
53	Design of Anatomical Population-Based and Patient-Specific Radial Head Implants. <i>Journal of Hand Surgery</i> , 2017, 42, 924.e1-924.e11.	0.7	8
54	Optimizing the rehabilitation of elbow lateral collateral ligament injuries: a biomechanical study. <i>Journal of Shoulder and Elbow Surgery</i> , 2017, 26, 596-603.	1.2	25

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55	Assessment of Embedded Conjugated Polymer Sensor Arrays for Potential Load Transmission Measurement in Orthopaedic Implants. <i>Sensors</i> , 2017, 17, 2768.	2.1	7
56	Electromagnetic Tracking of the Kinematics of Articulating Joints. , 2017, , 235-249.		0
57	Implant positioning in reverse shoulder arthroplasty has an impact on acromial stresses. <i>Journal of Shoulder and Elbow Surgery</i> , 2016, 25, 1889-1895.	1.2	96
58	A biomechanical assessment of fixation methods for a coronoid prosthesis. <i>Clinical Biomechanics</i> , 2016, 32, 14-19.	0.5	3
59	The rotator cuff muscles are antagonists after reverse total shoulder arthroplasty. <i>Journal of Shoulder and Elbow Surgery</i> , 2016, 25, 1592-1600.	1.2	50
60	Wear simulation strategies for reverse shoulder arthroplasty implants. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2016, 230, 458-469.	1.0	8
61	The Effect of Radial Head Hemiarthroplasty Geometry on Proximal Radioulnar Joint Contact Mechanics. <i>Journal of Hand Surgery</i> , 2016, 41, 745-752.	0.7	12
62	Comparison of proximal humeral bone stresses between stemless, short stem, and standard stem length: a finite element analysis. <i>Journal of Shoulder and Elbow Surgery</i> , 2016, 25, 1076-1083.	1.2	110
63	Hemiarthroplasty of the elbow: the effect of implant size on joint congruency. <i>Journal of Shoulder and Elbow Surgery</i> , 2016, 25, 297-303.	1.2	15
64	Contact mechanics of reverse total shoulder arthroplasty during abduction: the effect of neck-shaft angle, humeral cup depth, and glenosphere diameter. <i>Journal of Shoulder and Elbow Surgery</i> , 2016, 25, 589-597.	1.2	58
65	A rigid body model for the assessment of glenohumeral joint mechanics: Influence of osseous defects on range of motion and dislocation. <i>Journal of Biomechanics</i> , 2016, 49, 514-519.	0.9	5
66	An in vitro study comparing limited to full cementation of polyethylene glenoid components. <i>Journal of Orthopaedic Surgery and Research</i> , 2015, 10, 142.	0.9	4
67	Volar Subluxation of the Ulnar Head in Dorsal Translation Deformities of Distal Radius Fractures. <i>Journal of Orthopaedic Trauma</i> , 2015, 29, 295-300.	0.7	10
68	Accuracy assessment of 3D bone reconstructions using CT: an intro comparison. <i>Medical Engineering and Physics</i> , 2015, 37, 729-738.	0.8	42
69	Contact mechanics of reverse engineered distal humeral hemiarthroplasty implants. <i>Journal of Biomechanics</i> , 2015, 48, 4037-4042.	0.9	13
70	Load Transfer at the Distal Ulna Following Simulated Distal Radius Fracture Malalignment. <i>Journal of Hand Surgery</i> , 2015, 40, 217-223.	0.7	7
71	The effect of radial head implant shape on radiocapitellar kinematics during in vitro forearm rotation. <i>Journal of Shoulder and Elbow Surgery</i> , 2015, 24, 258-264.	1.2	16
72	The effect of glenosphere diameter in reverse shoulder arthroplasty on muscle force, joint load, and range of motion. <i>Journal of Shoulder and Elbow Surgery</i> , 2015, 24, 972-979.	1.2	97

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73	Radial head implant diameter: A biomechanical assessment of the forgotten dimension. <i>Clinical Biomechanics</i> , 2015, 30, 444-447.	0.5	14
74	Contact analysis of the native radiocapitellar joint compared with axisymmetric and nonaxisymmetric radial head hemiarthroplasty. <i>Journal of Shoulder and Elbow Surgery</i> , 2015, 24, 787-795.	1.2	21
75	Effect of Radial Head Implant Shape on Joint Contact Area and Location During Static Loading. <i>Journal of Hand Surgery</i> , 2015, 40, 716-722.	0.7	26
76	The Effect of Radial Head Hemiarthroplasty Geometry on Radiocapitellar Joint Contact Mechanics. <i>Journal of Shoulder and Elbow Surgery</i> , 2015, 24, e118.	1.2	3
77	Implications of Radial Head Hemiarthroplasty Dish Depth on Radiocapitellar Contact Mechanics. <i>Journal of Hand Surgery</i> , 2015, 40, 723-729.	0.7	13
78	Effect of Volarly Angulated Distal Radius Fractures on Forearm Rotation and Distal Radioulnar Joint Kinematics. <i>Journal of Hand Surgery</i> , 2015, 40, 2236-2242.	0.7	23
79	Implant Design Variations in Reverse Total Shoulder Arthroplasty Influence the Required Deltoid Force and Resultant Joint Load. <i>Clinical Orthopaedics and Related Research</i> , 2015, 473, 3615-3626.	0.7	120
80	Evaluation of a computational model to predict elbow range of motion. <i>Computer Aided Surgery</i> , 2014, 19, 57-63.	1.8	7
81	The effect of implant design of linked total elbow arthroplasty on stability and stress: a finite element analysis. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2014, 17, 1165-1172.	0.9	12
82	The Effect of Radial Head Implant Length on Radiocapitellar Articular Properties and Load Transfer Within the Forearm. <i>Journal of Orthopaedic Trauma</i> , 2014, 28, 348-353.	0.7	19
83	Automatic and accurate reconstruction of distal humerus contours through B-Spline fitting based on control polygon deformation. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2014, 228, 1241-1257.	1.0	0
84	An anthropometric study of the distal humerus. <i>Journal of Shoulder and Elbow Surgery</i> , 2014, 23, 463-469.	1.2	28
85	Distal Radioulnar Joint Kinematics in Simulated Dorsally Angulated Distal Radius Fractures. <i>Journal of Hand Surgery</i> , 2014, 39, 656-663.	0.7	36
86	Hemiarthroplasty of the elbow: the effect of implant size on kinematics and stability. <i>Journal of Shoulder and Elbow Surgery</i> , 2014, 23, 946-954.	1.2	7
87	Remplissage Versus Latarjet for Engaging Hill-Sachs Defects Without Substantial Glenoid Bone Loss: A Biomechanical Comparison. <i>Clinical Orthopaedics and Related Research</i> , 2014, 472, 2363-2371.	0.7	44
88	Humeral Head Reconstruction for Hill-Sachs Defects: A Biomechanical Comparison of 2 Fixation Techniques for Bone Grafting. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2014, 30, 22-28.	1.3	3
89	In vitro assessment of the contact mechanics of reverse-engineered distal humeral hemiarthroplasty prostheses. <i>Clinical Biomechanics</i> , 2014, 29, 990-996.	0.5	15
90	Reconstruction of the Coronoid Process Using the Tip of the Ipsilateral Olecranon. <i>Journal of Bone and Joint Surgery - Series A</i> , 2014, 96, 590-596.	1.4	32

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91	The Bristow and Latarjet Procedures: Why These Techniques Should Not Be Considered Synonymous. <i>Journal of Bone and Joint Surgery - Series A</i> , 2014, 96, 1340-1348.	1.4	67
92	Development of a computational technique to measure cartilage contact area. <i>Journal of Biomechanics</i> , 2014, 47, 1193-1197.	0.9	18
93	The effect of distal humeral hemiarthroplasty on articular contact of the elbow. <i>Clinical Biomechanics</i> , 2014, 29, 537-544.	0.5	27
94	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. <i>Journal of Biomechanics</i> , 2013, 46, 677-682.	0.9	14
95	Identifying the Location and Volume of Bony Impingement in Elbow Osteoarthritis by 3-Dimensional Computational Modeling. <i>Journal of Hand Surgery</i> , 2013, 38, 1370-1376.	0.7	22
96	Does the dynamic sling effect of the Latarjet procedure improve shoulder stability? A biomechanical evaluation. <i>Journal of Shoulder and Elbow Surgery</i> , 2013, 22, 821-827.	1.2	125
97	Validation of a finite element model of the human elbow for determining cartilage contact mechanics. <i>Journal of Biomechanics</i> , 2013, 46, 1767-1771.	0.9	37
98	Selecting the diameter of a radial head implant: an assessment of local landmarks. <i>Journal of Shoulder and Elbow Surgery</i> , 2013, 22, 1395-1399.	1.2	19
99	The shoulder remplissage procedure for Hill-Sachs defects: does technique matter?. <i>Journal of Shoulder and Elbow Surgery</i> , 2013, 22, 835-841.	1.2	45
100	Classic Versus Congruent Coracoid Positioning During the Latarjet Procedure: An In Vitro Biomechanical Comparison. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2013, 29, 309-316.	1.3	51
101	The Effect of a Coronoid Prosthesis on Restoring Stability to the Coronoid-Deficient Elbow: A Biomechanical Study. <i>Journal of Hand Surgery</i> , 2013, 38, 1753-1761.	0.7	25
102	The bicipital tuberosity and distal radius are unreliable landmarks for radial head implant alignment. <i>Journal of Shoulder and Elbow Surgery</i> , 2013, 22, 1242-1247.	1.2	3
103	Suture Anchor Fixation of Bony Bankart Fractures. <i>American Journal of Sports Medicine</i> , 2013, 41, 2624-2631.	1.9	26
104	Development of an image-based technique to examine joint congruency at the elbow. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2013, 16, 280-290.	0.9	29
105	An in-vitro study of rotator cuff tear and repair kinematics using single- and double-row suture anchor fixation. <i>International Journal of Shoulder Surgery</i> , 2013, 7, 46.	1.5	5
106	A biomechanical assessment of superior shoulder translation after reconstruction of anterior glenoid bone defects: The Latarjet procedure versus allograft reconstruction. <i>International Journal of Shoulder Surgery</i> , 2013, 7, 7.	1.5	10
107	Determination of Elbow Flexion-Extension Axis Based on Planar and Closed B-Splines. <i>Computer-Aided Design and Applications</i> , 2013, 10, 551-565.	0.4	0
108	Assessing the performances of collision driven numerically-simulated implantation in elbow replacement surgery. <i>International Journal of Computer Aided Engineering and Technology</i> , 2013, 5, 263.	0.1	1

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109	Accuracy assessment of an imaging technique to examine ulnohumeral joint congruency during elbow flexion. <i>Computer Aided Surgery</i> , 2012, 17, 142-152.	1.8	12
110	The Effect of the Remplissage Procedure on Shoulder Stability and Range of Motion. <i>Journal of Bone and Joint Surgery - Series A</i> , 2012, 94, 1003-1012.	1.4	81
111	Kinematics and laxity of a linked total elbow arthroplasty following computer navigated implant positioning. <i>Computer Aided Surgery</i> , 2012, 17, 249-258.	1.8	3
112	Do the Traditional and Modified Latarjet Techniques Produce Equivalent Reconstruction Stability and Strength?. <i>American Journal of Sports Medicine</i> , 2012, 40, 2801-2807.	1.9	51
113	Moderate to large engaging Hill-Sachs defects: an in vitro biomechanical comparison of the remplissage procedure, allograft humeral head reconstruction, and partial resurfacing arthroplasty. <i>Journal of Shoulder and Elbow Surgery</i> , 2012, 21, 1142-1151.	1.2	75
114	Elbow Kinematics After Radiocapitellar Arthroplasty. <i>Journal of Hand Surgery</i> , 2012, 37, 1024-1032.	0.7	14
115	Reconstruction of the coronoid using an extended prosthesis: an in vitro biomechanical study. <i>Journal of Shoulder and Elbow Surgery</i> , 2012, 21, 969-976.	1.2	24
116	The effect of implant malalignment on joint loading in total elbow arthroplasty: an in vitro study. <i>Journal of Shoulder and Elbow Surgery</i> , 2012, 21, 1032-1038.	1.2	28
117	Rehabilitation of the Medial- and Lateral Collateral Ligament-deficient Elbow: An In vitro Biomechanical Study. <i>Journal of Hand Therapy</i> , 2012, 25, 363-373.	0.7	23
118	The impact of capitellar arthroplasty on elbow contact mechanics: Implications for implant design. <i>Clinical Biomechanics</i> , 2011, 26, 458-463.	0.5	17
119	The effect of decreasing computed tomography dosage on radiostereometric analysis (RSA) accuracy at the glenohumeral joint. <i>Journal of Biomechanics</i> , 2011, 44, 2847-2850.	0.9	9
120	Stem abutment affects alignment of the humeral component in computer-assisted elbow arthroplasty. <i>Journal of Shoulder and Elbow Surgery</i> , 2011, 20, 891-898.	1.2	19
121	Biomechanical Analysis of Fixation of Middle Third Fractures of the Clavicle. <i>Journal of Orthopaedic Trauma</i> , 2011, 25, 39-43.	0.7	60
122	The Effect of Triceps Repair Techniques Following Olecranon Excision on Elbow Stability and Extension Strength: An In Vitro Biomechanical Study. <i>Journal of Orthopaedic Trauma</i> , 2011, 25, 420-424.	0.7	8
123	Motion-derived coordinate systems reduce inter-subject variability of elbow flexion kinematics. <i>Journal of Orthopaedic Research</i> , 2011, 29, 596-601.	1.2	11
124	The effect of the conjoined tendon of the short head of the biceps and coracobrachialis on shoulder stability and kinematics during in-vitro simulation. <i>Journal of Biomechanics</i> , 2011, 44, 1192-1195.	0.9	30
125	The effect of CT dose on glenohumeral joint congruency measurements using 3D reconstructed patient-specific bone models. <i>Physics in Medicine and Biology</i> , 2011, 56, 6615-6624.	1.6	1
126	Development of an active elbow flexion simulator to evaluate joint kinematics with the humerus in the horizontal position. <i>Journal of Biomechanics</i> , 2010, 43, 2114-2119.	0.9	38

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127	Contribution of the Olecranon to Elbow Stability. Journal of Bone and Joint Surgery - Series A, 2010, 92, 949-957.	1.4	53
128	Visualization of 3D elbow kinematics using reconstructed bony surfaces. Proceedings of SPIE, 2010, , .	0.8	0
129	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
130	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
131	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
132	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
133	Defining the Flexion-Extension Axis of the Ulna: Implications for Intra-Operative Elbow Alignment. Journal of Biomechanical Engineering, 2009, 131, 021005.	0.6	9
134	Implant alignment in total elbow arthroplasty: conventional vs. navigated techniques. , 2009, , .		0
135	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
136	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
137	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
138	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
139	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
140	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
141	Effect of the Posterior Bundle of the Medial Collateral Ligament on Elbow Stability. Journal of Hand Surgery, 2009, 34, 116-123.	0.7	39
142	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
143	Humeral head translation decreases with muscle loading. Journal of Shoulder and Elbow Surgery, 2008, 17, 132-138.	1.2	19
144	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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145	Role of an Anterior Flange on Cortical Strains Through the Distal Humerus After Total Elbow Arthroplasty With a Latitude Implant. <i>Journal of Hand Surgery</i> , 2008, 33, 927-931.	0.7	23
146	Humeral head translation during glenohumeral abduction following computer-assisted shoulder hemiarthroplasty. <i>Journal of Bone and Joint Surgery: British Volume</i> , 2008, 90-B, 1256-1259.	3.4	10
147	Lateral Collateral Ligament Repair Restores the Initial Varus Stability of the Elbow: An In Vitro Biomechanical Study. <i>Journal of Orthopaedic Trauma</i> , 2008, 22, 615-623.	0.7	47
148	A comparison of registration techniques for computer- and image-assisted elbow surgery. <i>Computer Aided Surgery</i> , 2007, 12, 208-214.	1.8	8
149	Design and development of a computer assisted glenoid implantation technique for shoulder replacement surgery. <i>Computer Aided Surgery</i> , 2007, 12, 152-159.	1.8	37
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