

# Andrew R Karduna

## List of Publications by Year in descending order

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83  
papers

8,989  
citations

116194

36  
h-index

73587

79  
g-index

85  
all docs

85  
docs citations

85  
times ranked

5321  
citing authors

#	ARTICLE	IF	CITATIONS
1	Submaximal contractions can serve as a reliable technique for shoulder electromyography normalization. <i>Journal of Biomechanics</i> , 2022, 134, 111014.	0.9	2
2	Weakness in patients with subacromial pain syndrome is local and more pronounced in females. <i>Clinical Biomechanics</i> , 2022, 95, 105631.	0.5	1
3	Peripheral sensitization is demonstrated in subacromial pain syndrome, with central sensitization found only in females. <i>Journal of Orthopaedic Research</i> , 2022, , .	1.2	2
4	Shoulder Joint Position Sense Can Be Reduced by Sensory Reference Frame Transformations. <i>Perceptual and Motor Skills</i> , 2021, 128, 938-951.	0.6	0
5	Joint Position Accuracy Is Influenced by Visuoproprioceptive Congruency in Virtual Reality. <i>Journal of Motor Behavior</i> , 2021, , 1-10.	0.5	1
6	Muscle Activity Before and After Subacromial Injection. <i>Journal of Sport Rehabilitation</i> , 2021, 30, 1-7.	0.4	0
7	Clinical Outcomes and Shoulder Kinematics for the "Gray Zone" Extra-articular Scapula Fracture in 5 Patients. <i>International Journal of Orthopedics</i> , 2020, 3, .	0.0	1
8	Force perception at the shoulder after a unilateral suprascapular nerve block. <i>Experimental Brain Research</i> , 2019, 237, 1581-1591.	0.7	5
9	Shoulder and elbow joint position sense assessment using a mobile app in subjects with and without shoulder pain - between-days reliability. <i>Physical Therapy in Sport</i> , 2019, 37, 157-163.	0.8	6
10	Feasibility of using a fully immersive virtual reality system for kinematic data collection. <i>Journal of Biomechanics</i> , 2019, 87, 172-176.	0.9	30
11	The contribution of the supraspinatus muscle at sub-maximal contractions. <i>Journal of Biomechanics</i> , 2018, 68, 65-69.	0.9	8
12	An Investigation Into Force Sense at the Shoulder. <i>Motor Control</i> , 2018, 22, 462-471.	0.3	10
13	College Pitchers Demonstrate Directional Differences in Shoulder Joint Position Sense Compared With Controls. <i>Journal of Sport Rehabilitation</i> , 2018, 27, 301-305.	0.4	2
14	No Relationship Between Joint Position Sense and Force Sense at the Shoulder. <i>Journal of Motor Behavior</i> , 2018, 50, 228-234.	0.5	16
15	Subacromial Anesthetics Increase Proprioceptive Deficit in the Shoulder and Elbow in Patients With Subacromial Impingement Syndrome. <i>Clinical Medicine Insights: Arthritis and Musculoskeletal Disorders</i> , 2017, 10, 117954411771319.	0.3	15
16	Errors in Shoulder Joint Position Sense Mainly Come from the Glenohumeral Joint. <i>Journal of Applied Biomechanics</i> , 2017, 33, 32-38.	0.3	9
17	Deltoid Electromyography is Reliable During Submaximal Isometric Ramp Contractions. <i>Journal of Applied Biomechanics</i> , 2017, 33, 237-240.	0.3	3
18	Exercises focusing on rotator cuff and scapular muscles do not improve shoulder joint position sense in healthy subjects. <i>Human Movement Science</i> , 2016, 49, 248-257.	0.6	14

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19	Joint position sense – There's an app for that. <i>Journal of Biomechanics</i> , 2016, 49, 3529-3533.	0.9	16
20	Normalization to Maximal Voluntary Contraction is Influenced by Subacromial Pain. <i>Journal of Applied Biomechanics</i> , 2016, 32, 433-440.	0.3	21
21	Four-week exercise program does not change rotator cuff muscle activation and scapular kinematics in healthy subjects. <i>Journal of Orthopaedic Research</i> , 2016, 34, 2079-2088.	1.2	13
22	Ankle Movements During Supine Kicking in Infants Born Preterm. <i>Pediatric Physical Therapy</i> , 2016, 28, 294-302.	0.3	0
23	Excitability of the infraspinatus, but not the middle deltoid, is affected by shoulder elevation angle. <i>Experimental Brain Research</i> , 2015, 233, 1837-1843.	0.7	7
24	Kinesio taping of the deltoid does not reduce fatigue induced deficits in shoulder joint position sense. <i>Clinical Biomechanics</i> , 2015, 30, 903-907.	0.5	24
25	Reliability and Validity of Thickness Measurements of the Supraspinatus Muscle of the Shoulder: An Ultrasonography Study. <i>Journal of Sport Rehabilitation</i> , 2014, 23, .	0.4	11
26	Subacromial Injection Results in Further Scapular Dyskinesis. <i>Orthopaedic Journal of Sports Medicine</i> , 2014, 2, 232596711454410.	0.8	9
27	Joint position sense during a reaching task improves at targets located closer to the head but is unaffected by instruction. <i>Experimental Brain Research</i> , 2014, 232, 865-874.	0.7	10
28	The Shoulder and Elbow Joints and Right and Left Sides Demonstrate Similar Joint Position Sense. <i>Journal of Motor Behavior</i> , 2013, 45, 479-486.	0.5	32
29	Workday Arm Elevation Exposure: A Comparison Between Two Professions. <i>IIE Transactions on Occupational Ergonomics and Human Factors</i> , 2013, 1, 119-127.	0.5	3
30	Patient's Body Size Influences Dental Hygienist Shoulder Kinematics. <i>IIE Transactions on Occupational Ergonomics and Human Factors</i> , 2013, 1, 153-165.	0.5	2
31	Humeral Head Translation After a Suprascapular Nerve Block. <i>Journal of Applied Biomechanics</i> , 2013, 29, 371-379.	0.3	21
32	Sensors on the Humerus Are Not Necessary for an Accurate Assessment of Humeral Kinematics in Constrained Movements. <i>Journal of Applied Biomechanics</i> , 2013, 29, 496-500.	0.3	5
33	Wrist activity monitor counts are correlated with dynamic but not static assessments of arm elevation exposure made with a triaxial accelerometer. <i>Ergonomics</i> , 2012, 55, 963-970.	1.1	14
34	Scapular Kinematics and Subacromial-Impingement Syndrome: A Meta-Analysis. <i>Journal of Sport Rehabilitation</i> , 2012, 21, 354-370.	0.4	144
35	Exposure to a workday environment results in an increase in anterior tilting of the scapula in dental hygienists with greater employment experience. <i>Clinical Biomechanics</i> , 2012, 27, 341-345.	0.5	4
36	Three-dimensional repositioning tasks show differences in joint position sense between active and passive shoulder motion. <i>Journal of Orthopaedic Research</i> , 2012, 30, 787-792.	1.2	21

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37	Understanding the Biomechanical Nature of Musculoskeletal Tissue. <i>Journal of Hand Therapy</i> , 2012, 25, 116-122.	0.7	4
38	Similarities in the Neural Control of the Shoulder and Elbow Joints Belie Their Structural Differences. <i>PLoS ONE</i> , 2012, 7, e45837.	1.1	6
39	Altered activity of the serratus anterior during unilateral arm elevation in patients with cervical disorders. <i>Journal of Electromyography and Kinesiology</i> , 2011, 21, 947-953.	0.7	50
40	Altered Alignment of the Shoulder Girdle and Cervical Spine in Patients With Insidious Onset Neck Pain and Whiplash-Associated Disorder. <i>Journal of Applied Biomechanics</i> , 2011, 27, 181-191.	0.3	50
41	The reliability of side to side measurements of upper extremity activity levels in healthy subjects. <i>BMC Musculoskeletal Disorders</i> , 2010, 11, 168.	0.8	20
42	Measuring humeral head translation using fluoroscopy: A validation study. <i>Journal of Biomechanics</i> , 2010, 43, 771-774.	0.9	14
43	Altered Scapular Orientation During Arm Elevation in Patients With Insidious Onset Neck Pain and Whiplash-Associated Disorder. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , 2010, 40, 784-791.	1.7	60
44	In Vivo Measurement of Humeral Elevation Angles and Exposure Using a Triaxial Accelerometer. <i>Human Factors</i> , 2010, 52, 616-626.	2.1	12
45	Scapular Kinematics in Constrained and Functional Upper Extremity Movements. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , 2009, 39, 618-627.	1.7	32
46	The effect of nucleus implant parameters on the compressive mechanics of the lumbar intervertebral disc: A finite element study. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2009, 90B, 596-607.	1.6	19
47	Unconstrained shoulder joint position sense does not change with body orientation. <i>Journal of Orthopaedic Research</i> , 2009, 27, 885-890.	1.2	21
48	Validation of tri-axial accelerometer for the calculation of elevation angles. <i>International Journal of Industrial Ergonomics</i> , 2009, 39, 783-789.	1.5	51
49	Differences in Feedforward Trunk Muscle Activity in Subgroups of Patients With Mechanical Low Back Pain. <i>Archives of Physical Medicine and Rehabilitation</i> , 2009, 90, 1159-1169.	0.5	105
50	Shoulder Joint Position Sense Improves With External Load. <i>Journal of Motor Behavior</i> , 2007, 39, 517-525.	0.5	48
51	Suprascapular nerve block results in a compensatory increase in deltoid muscle activity. <i>Journal of Biomechanics</i> , 2007, 40, 1839-1846.	0.9	46
52	Suprascapular nerve block disrupts the normal pattern of scapular kinematics. <i>Clinical Biomechanics</i> , 2006, 21, 545-553.	0.5	42
53	Effects of shoulder muscle fatigue caused by repetitive overhead activities on scapulothoracic and glenohumeral kinematics. <i>Journal of Electromyography and Kinesiology</i> , 2006, 16, 224-235.	0.7	174
54	ANKLE MOVEMENTS DURING SUPINE KICKING IN RELATION TO GASTROCNEMIUS/SOLEUS LENGTH IN INFANTS BORN PRETERM. <i>Pediatric Physical Therapy</i> , 2006, 18, 92.	0.3	1

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55	Shoulder Function and 3-Dimensional Scapular Kinematics in People With and Without Shoulder Impingement Syndrome. <i>Physical Therapy</i> , 2006, 86, 1075-1090.	1.1	365
56	Functional compressive mechanics of a PVA/PVP nucleus pulposus replacement. <i>Biomaterials</i> , 2006, 27, 176-184.	5.7	163
57	Shoulder joint position sense improves with elevation angle in a novel, unconstrained task. <i>Journal of Orthopaedic Research</i> , 2006, 24, 559-568.	1.2	56
58	Scapulothoracic and Glenohumeral Kinematics Following an External Rotation Fatigue Protocol. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , 2006, 36, 557-571.	1.7	94
59	Shoulder function and 3-dimensional scapular kinematics in people with and without shoulder impingement syndrome. <i>Physical Therapy</i> , 2006, 86, 1075-90.	1.1	109
60	ISB recommendation on definitions of joint coordinate systems of various joints for the reporting of human joint motion—Part II: shoulder, elbow, wrist and hand. <i>Journal of Biomechanics</i> , 2005, 38, 981-992.	0.9	3,077
61	Experience With Minimally Invasive Nucleus Replacement. , 2005, , 295-313.		0
62	Nucleus Implant Parameters Significantly Change the Compressive Stiffness of the Human Lumbar Intervertebral Disc. <i>Journal of Biomechanical Engineering</i> , 2005, 127, 536-540.	0.6	29
63	Contact forces in the subacromial space: Effects of scapular orientation. <i>Journal of Shoulder and Elbow Surgery</i> , 2005, 14, 393-399.	1.2	83
64	Internal and external rotation of the shoulder: Effects of plane, end-range determination, and scapular motion. <i>Journal of Shoulder and Elbow Surgery</i> , 2005, 14, 602-610.	1.2	36
65	Trunk muscle recruitment patterns in specific chronic low back pain populations. <i>Clinical Biomechanics</i> , 2005, 20, 465-473.	0.5	157
66	Scapular kinematics during humeral elevation in adults and children. <i>Clinical Biomechanics</i> , 2005, 20, 600-606.	0.5	86
67	Three-dimensional scapulothoracic motion during active and passive arm elevation. <i>Clinical Biomechanics</i> , 2005, 20, 700-709.	0.5	183
68	Scapular Rotation in Swimmers with and without Impingement Syndrome: Practice Effects. <i>Medicine and Science in Sports and Exercise</i> , 2004, 36, 1117-1123.	0.2	126
69	Shoulder Function and 3-Dimensional Kinematics in People With Shoulder Impingement Syndrome Before and After a 6-Week Exercise Program. <i>Physical Therapy</i> , 2004, 84, 832-848.	1.1	263
70	Shoulder function and 3-dimensional kinematics in people with shoulder impingement syndrome before and after a 6-week exercise program. <i>Physical Therapy</i> , 2004, 84, 832-48.	1.1	77
71	Effects of muscle fatigue on 3-dimensional scapular kinematics <sup>11</sup> No commercial party having a direct financial interest in the results of the research supporting this article has or will confer a benefit upon the author(s) or upon any organization with which the author(s) is/are associated.. <i>Archives of Physical Medicine and Rehabilitation</i> . 2003. 84. 1000-1005.	0.5	158
72	Anatomical and biomechanical mechanisms of subacromial impingement syndrome. <i>Clinical Biomechanics</i> , 2003, 18, 369-379.	0.5	551

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73	Dynamic Measurements of Three-Dimensional Scapular Kinematics: A Validation Study. <i>Journal of Biomechanical Engineering</i> , 2001, 123, 184-190.	0.6	496
74	Direct 3-dimensional measurement of scapular kinematics during dynamic movements in vivo. <i>Journal of Shoulder and Elbow Surgery</i> , 2001, 10, 269-277.	1.2	581
75	The effect of articular malposition after total shoulder arthroplasty on glenohumeral translations, range of motion, and subacromial impingement. <i>Journal of Shoulder and Elbow Surgery</i> , 2001, 10, 399-409.	1.2	137
76	New Method to Assess Scapular Upward Rotation in Subjects With Shoulder Pathology. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , 2001, 31, 81-89.	1.7	137
77	The Floating Shoulder: A Biomechanical Basis for Classification and Management. <i>Journal of Bone and Joint Surgery - Series A</i> , 2001, 83, 1182-1187.	1.4	73
78	Scapular kinematics: effects of altering the Euler angle sequence of rotations. <i>Journal of Biomechanics</i> , 2000, 33, 1063-1068.	0.9	125
79	The acromioclavicular capsule as a restraint to posterior translation of the clavicle: A biomechanical analysis. <i>Journal of Shoulder and Elbow Surgery</i> , 1999, 8, 119-124.	1.2	225
80	Joint stability after total shoulder arthroplasty in a cadaver model. <i>Journal of Shoulder and Elbow Surgery</i> , 1997, 6, 506-511.	1.2	66
81	Experimental and numerical analyses of indentation in finite-sized isotropic and anisotropic rubber-like materials. <i>Annals of Biomedical Engineering</i> , 1997, 25, 1009-1016.	1.3	41
82	Glenohumeral Joint Translations before and after Total Shoulder Arthroplasty. A Study in Cadavera*. <i>Journal of Bone and Joint Surgery - Series A</i> , 1997, 79, 1166-74.	1.4	108
83	Kinematics of the glenohumeral joint: Influences of muscle forces, ligamentous constraints, and articular geometry. <i>Journal of Orthopaedic Research</i> , 1996, 14, 986-993.	1.2	149