Andrew R Karduna

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/9507692/publications.pdf

Version: 2024-02-01

83 papers	8,989 citations	101543 36 h-index	64796 79 g-index
85 all docs	85 docs citations	85 times ranked	4961 citing authors

#	Article	IF	Citations
1	ISB recommendation on definitions of joint coordinate systems of various joints for the reporting of human joint motionâ€”Part II: shoulder, elbow, wrist and hand. Journal of Biomechanics, 2005, 38, 981-992.	2.1	3,077
2	Direct 3-dimensional measurement of scapular kinematics during dynamic movements in vivo. Journal of Shoulder and Elbow Surgery, 2001, 10, 269-277.	2.6	581
3	Anatomical and biomechanical mechanisms of subacromial impingement syndrome. Clinical Biomechanics, 2003, 18, 369-379.	1.2	551
4	Dynamic Measurements of Three-Dimensional Scapular Kinematics: A Validation Study. Journal of Biomechanical Engineering, 2001, 123, 184-190.	1.3	496
5	Shoulder Function and 3-Dimensional Scapular Kinematics in People With and Without Shoulder Impingement Syndrome. Physical Therapy, 2006, 86, 1075-1090.	2.4	365
6	Shoulder Function and 3-Dimensional Kinematics in People With Shoulder Impingement Syndrome Before and After a 6-Week Exercise Program. Physical Therapy, 2004, 84, 832-848.	2.4	263
7	The acromioclavicular capsule as a restraint to posterior translation of the clavicle: A biomechanical analysis. Journal of Shoulder and Elbow Surgery, 1999, 8, 119-124.	2.6	225
8	Three-dimensional scapulothoracic motion during active and passive arm elevation. Clinical Biomechanics, 2005, 20, 700-709.	1.2	183
9	Effects of shoulder muscle fatigue caused by repetitive overhead activities on scapulothoracic and glenohumeral kinematics. Journal of Electromyography and Kinesiology, 2006, 16, 224-235.	1.7	174
10	Functional compressive mechanics of a PVA/PVP nucleus pulposus replacement. Biomaterials, 2006, 27, 176-184.	11.4	163
11	Effects of muscle fatigue on 3-dimensional scapular kinematics11No 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.. Archives of Physical Medicine and Rehabilitation, 2003, 84, 1000-1005.	0.9	158
12	Trunk muscle recruitment patterns in specific chronic low back pain populations. Clinical Biomechanics, 2005, 20, 465-473.	1.2	157
13	Kinematics of the glenohumeral joint: Influences of muscle forces, ligamentous constraints, and articular geometry. Journal of Orthopaedic Research, 1996, 14, 986-993.	2.3	149
14	Scapular Kinematics and Subacromial-Impingement Syndrome: A Meta-Analysis. Journal of Sport Rehabilitation, 2012, 21, 354-370.	1.0	144
15	The effect of articular malposition after total shoulder arthroplasty on glenohumeral translations, range of motion, and subacromial impingement. Journal of Shoulder and Elbow Surgery, 2001, 10, 399-409.	2.6	137
16	New Method to Assess Scapular Upward Rotation in Subjects With Shoulder Pathology. Journal of Orthopaedic and Sports Physical Therapy, 2001, 31, 81-89.	3.5	137
17	Scapular Rotation in Swimmers with and without Impingement Syndrome: Practice Effects. Medicine and Science in Sports and Exercise, 2004, 36, 1117-1123.	0.4	126
18	Scapular kinematics: effects of altering the Euler angle sequence of rotations. Journal of Biomechanics, 2000, 33, 1063-1068.	2.1	125

#	Article	IF	Citations
19	Shoulder function and 3-dimensional scapular kinematics in people with and without shoulder impingement syndrome. Physical Therapy, 2006, 86, 1075-90.	2.4	109
20	Glenohumeral Joint Translations before and after Total Shoulder Arthroplasty. A Study in Cadavera*. Journal of Bone and Joint Surgery - Series A, 1997, 79, 1166-74.	3.0	108
21	Differences in Feedforward Trunk Muscle Activity in Subgroups of Patients With Mechanical Low Back Pain. Archives of Physical Medicine and Rehabilitation, 2009, 90, 1159-1169.	0.9	105
22	Scapulothoracic and Glenohumeral Kinematics Following an External Rotation Fatigue Protocol. Journal of Orthopaedic and Sports Physical Therapy, 2006, 36, 557-571.	3.5	94
23	Scapular kinematics during humeral elevation in adults and children. Clinical Biomechanics, 2005, 20, 600-606.	1.2	86
24	Contact forces in the subacromial space: Effects of scapular orientation. Journal of Shoulder and Elbow Surgery, 2005, 14, 393-399.	2.6	83
25	Shoulder function and 3-dimensional kinematics in people with shoulder impingement syndrome before and after a 6-week exercise program. Physical Therapy, 2004, 84, 832-48.	2.4	77
26	The Floating Shoulder: A Biomechanical Basis for Classification and Management. Journal of Bone and Joint Surgery - Series A, 2001, 83, 1182-1187.	3.0	73
27	Joint stability after total shoulder arthroplasty in a cadaver model. Journal of Shoulder and Elbow Surgery, 1997, 6, 506-511.	2.6	66
28	Altered Scapular Orientation During Arm Elevation in Patients With Insidious Onset Neck Pain and Whiplash-Associated Disorder. Journal of Orthopaedic and Sports Physical Therapy, 2010, 40, 784-791.	3.5	60
29	Shoulder joint position sense improves with elevation angle in a novel, unconstrained task. Journal of Orthopaedic Research, 2006, 24, 559-568.	2.3	56
30	Validation of tri-axial accelerometer for the calculation of elevation angles. International Journal of Industrial Ergonomics, 2009, 39, 783-789.	2.6	51
31	Altered activity of the serratus anterior during unilateral arm elevation in patients with cervical disorders. Journal of Electromyography and Kinesiology, 2011, 21, 947-953.	1.7	50
32	Altered Alignment of the Shoulder Girdle and Cervical Spine in Patients With Insidious Onset Neck Pain and Whiplash-Associated Disorder. Journal of Applied Biomechanics, 2011, 27, 181-191.	0.8	50
33	Shoulder Joint Position Sense Improves With External Load. Journal of Motor Behavior, 2007, 39, 517-525.	0.9	48
34	Suprascapular nerve block results in a compensatory increase in deltoid muscle activity. Journal of Biomechanics, 2007, 40, 1839-1846.	2.1	46
35	Suprascapular nerve block disrupts the normal pattern of scapular kinematics. Clinical Biomechanics, 2006, 21, 545-553.	1.2	42
36	Experimental and numerical analyses of indentation in finite-sized isotropic and anisotropic rubber-like materials. Annals of Biomedical Engineering, 1997, 25, 1009-1016.	2.5	41

#	Article	IF	Citations
37	Internal and external rotation of the shoulder: Effects of plane, end-range determination, and scapular motion. Journal of Shoulder and Elbow Surgery, 2005, 14, 602-610.	2.6	36
38	Scapular Kinematics in Constrained and Functional Upper Extremity Movements. Journal of Orthopaedic and Sports Physical Therapy, 2009, 39, 618-627.	3.5	32
39	The Shoulder and Elbow Joints and Right and Left Sides Demonstrate Similar Joint Position Sense. Journal of Motor Behavior, 2013, 45, 479-486.	0.9	32
40	Feasibility of using a fully immersive virtual reality system for kinematic data collection. Journal of Biomechanics, 2019, 87, 172-176.	2.1	30
41	Nucleus Implant Parameters Significantly Change the Compressive Stiffness of the Human Lumbar Intervertebral Disc. Journal of Biomechanical Engineering, 2005, 127, 536-540.	1.3	29
42	Kinesio taping of the deltoid does not reduce fatigue induced deficits in shoulder joint position sense. Clinical Biomechanics, 2015, 30, 903-907.	1.2	24
43	Unconstrained shoulder joint position sense does not change with body orientation. Journal of Orthopaedic Research, 2009, 27, 885-890.	2.3	21
44	Threeâ€dimensional repositioning tasks show differences in joint position sense between active and passive shoulder motion. Journal of Orthopaedic Research, 2012, 30, 787-792.	2.3	21
45	Humeral Head Translation After a Suprascapular Nerve Block. Journal of Applied Biomechanics, 2013, 29, 371-379.	0.8	21
46	Normalization to Maximal Voluntary Contraction is Influenced by Subacromial Pain. Journal of Applied Biomechanics, 2016, 32, 433-440.	0.8	21
47	The reliability of side to side measurements of upper extremity activity levels in healthy subjects. BMC Musculoskeletal Disorders, 2010, 11, 168.	1.9	20
48	The effect of nucleus implant parameters on the compressive mechanics of the lumbar intervertebral disc: A finite element study. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2009, 90B, 596-607.	3.4	19
49	Joint position sense â€“ There×³s an app for that. Journal of Biomechanics, 2016, 49, 3529-3533.	2.1	16
50	No Relationship Between Joint Position Sense and Force Sense at the Shoulder. Journal of Motor Behavior, 2018, 50, 228-234.	0.9	16
51	Subacromial Anesthetics Increase Proprioceptive Deficit in the Shoulder and Elbow in Patients With Subacromial Impingement Syndrome. Clinical Medicine Insights: Arthritis and Musculoskeletal Disorders, 2017, 10, 117954411771319.	1.2	15
52	Measuring humeral head translation using fluoroscopy: A validation study. Journal of Biomechanics, 2010, 43, 771-774.	2.1	14
53	Wrist activity monitor counts are correlated with dynamic but not static assessments of arm elevation exposure made with a triaxial accelerometer. Ergonomics, 2012, 55, 963-970.	2.1	14
54	Exercises focusing on rotator cuff and scapular muscles do not improve shoulder joint position sense in healthy subjects. Human Movement Science, 2016, 49, 248-257.	1.4	14

#	Article	IF	Citations
55	Fourâ€week exercise program does not change rotator cuff muscle activation and scapular kinematics in healthy subjects. Journal of Orthopaedic Research, 2016, 34, 2079-2088.	2.3	13
56	In Vivo Measurement of Humeral Elevation Angles and Exposure Using a Triaxial Accelerometer. Human Factors, 2010, 52, 616-626.	3.5	12
57	Reliability and Validity of Thickness Measurements of the Supraspinatus Muscle of the Shoulder: An Ultrasonography Study. Journal of Sport Rehabilitation, 2014, 23, .	1.0	11
58	Joint position sense during a reaching task improves at targets located closer to the head but is unaffected by instruction. Experimental Brain Research, 2014, 232, 865-874.	1.5	10
59	An Investigation Into Force Sense at the Shoulder. Motor Control, 2018, 22, 462-471.	0.6	10
60	Subacromial Injection Results in Further Scapular Dyskinesis. Orthopaedic Journal of Sports Medicine, 2014, 2, 232596711454410.	1.7	9
61	Errors in Shoulder Joint Position Sense Mainly Come from the Glenohumeral Joint. Journal of Applied Biomechanics, 2017, 33, 32-38.	0.8	9
62	The contribution of the supraspinatus muscle at sub-maximal contractions. Journal of Biomechanics, 2018, 68, 65-69.	2.1	8
63	Excitability of the infraspinatus, but not the middle deltoid, is affected by shoulder elevation angle. Experimental Brain Research, 2015, 233, 1837-1843.	1.5	7
64	Shoulder and elbow joint position sense assessment using a mobile app in subjects with and without shoulder pain - between-days reliability. Physical Therapy in Sport, 2019, 37, 157-163.	1.9	6
65	Similarities in the Neural Control of the Shoulder and Elbow Joints Belie Their Structural Differences. PLoS ONE, 2012, 7, e45837.	2.5	6
66	Sensors on the Humerus Are Not Necessary for an Accurate Assessment of Humeral Kinematics in Constrained Movements. Journal of Applied Biomechanics, 2013, 29, 496-500.	0.8	5
67	Force perception at the shoulder after a unilateral suprascapular nerve block. Experimental Brain Research, 2019, 237, 1581-1591.	1.5	5
68	Exposure to a workday environment results in an increase in anterior tilting of the scapula in dental hygienists with greater employment experience. Clinical Biomechanics, 2012, 27, 341-345.	1.2	4
69	Understanding the Biomechanical Nature of Musculoskeletal Tissue. Journal of Hand Therapy, 2012, 25, 116-122.	1.5	4
70	Workday Arm Elevation Exposure: A Comparison Between Two Professions. IIE Transactions on Occupational Ergonomics and Human Factors, 2013, 1, 119-127.	0.4	3
71	Deltoid Electromyography is Reliable During Submaximal Isometric Ramp Contractions. Journal of Applied Biomechanics, 2017, 33, 237-240.	0.8	3
72	Patient's Body Size Influences Dental Hygienist Shoulder Kinematics. IIE Transactions on Occupational Ergonomics and Human Factors, 2013, 1, 153-165.	0.4	2

#	Article	IF	Citations
73	College Pitchers Demonstrate Directional Differences in Shoulder Joint Position Sense Compared With Controls. Journal of Sport Rehabilitation, 2018, 27, 301-305.	1.0	2
74	Submaximal contractions can serve as a reliable technique for shoulder electromyography normalization. Journal of Biomechanics, 2022, 134, 111014.	2.1	2
75	Peripheral sensitization is demonstrated in subacromial pain syndrome, with central sensitization found only in females. Journal of Orthopaedic Research, 2022, , .	2.3	2
76	ANKLE MOVEMENTS DURING SUPINE KICKING IN RELATION TO GASTROCNEMIUS/SOLEUS LENGTH IN INFANTS BORN PRETERM. Pediatric Physical Therapy, 2006, 18, 92.	0.6	1
77	Joint Position Accuracy Is Influenced by Visuoproprioceptive Congruency in Virtual Reality. Journal of Motor Behavior, 2021, , 1-10.	0.9	1
78	Clinical Outcomes and Shoulder Kinematics for the "Gray Zone" Extra-articular Scapula Fracture in 5 Patients. International Journal of Orthopedics, 2020, 3, .	0.0	1
79	Weakness in patients with subacromial pain syndrome is local and more pronounced in females. Clinical Biomechanics, 2022, 95, 105631.	1.2	1
80	Experience With Minimally Invasive Nucleus Replacement. , 2005, , 295-313.		0
81	Ankle Movements During Supine Kicking in Infants Born Preterm. Pediatric Physical Therapy, 2016, 28, 294-302.	0.6	0
82	Shoulder Joint Position Sense Can Be Reduced by Sensory Reference Frame Transformations. Perceptual and Motor Skills, 2021, 128, 938-951.	1.3	0
83	Muscle Activity Before and After Subacromial Injection. Journal of Sport Rehabilitation, 2021, 30, 1-7.	1.0	0