

ISB recommendation on definitions of joint coordinate reporting of human joint motion”Part II: shoulder, el

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Citation Report

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1	An Inverse Model Based on Optimization in order to Simulate the Automobile Accessibility Movement "A Pilot Study.", 2004, , .		1
2	Adaptive neural network controller for an upper extremity neuroprosthesis. , 2004, 2004, 4133-6.		3
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1843	Lower Trapezius Weakness and Shoulder Complex Biomechanics during the Tennis Serve. <i>Medicine and Science in Sports and Exercise</i> , 2019, 51, 2531-2539.	0.2	6
1844	Characteristics of the Shrug Motion and Trapezius Muscle Activity During the Power Clean. <i>Journal of Strength and Conditioning Research</i> , 2021, 35, 3288-3295.	1.0	4
1845	Four-Dimensional CT Analysis Using Sequential 3D-3D Registration. <i>Journal of Visualized Experiments</i> , 2019, , .	0.2	4
1846	Relationship between scapular initial position and scapular movement during dynamic motions. <i>PLoS ONE</i> , 2019, 14, e0227313.	1.1	6
1847	An evaluation of off-axis manual forces and upper extremity joint moments during unilateral pushing and pulling exertions. <i>Ergonomics</i> , 2019, 62, 52-64.	1.1	3
1848	Elbow joint kinematics during cricket bowling using magneto-inertial sensors: A feasibility study. <i>Journal of Sports Sciences</i> , 2019, 37, 515-524.	1.0	15
1849	Model-Based Control of Biomechatronic Systems. , 2019, , 95-126.		7
1850	On intrinsic equivalences of the finite helical axis, the instantaneous helical axis, and the SARA approach. A mathematical perspective. <i>Journal of Biomechanics</i> , 2019, 84, 4-10.	0.9	21
1851	Does the examiner's experience matter in evaluation of the kinematics of the upper limb?. <i>Journal of Biomechanics</i> , 2019, 84, 257-262.	0.9	6
1852	MusIC method enhancement by a sensitivity study of its performance: Application to a lower limbs musculoskeletal model. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2019, 22, 159-168.	0.9	0
1853	Analysis of Shoulder Complex Function After Posterior Spinal Fusion in Adolescents With Idiopathic Scoliosis. <i>Journal of Pediatric Orthopaedics</i> , 2019, 39, e32-e38.	0.6	1
1854	Muscular and kinematic adaptations to fatiguing repetitive upper extremity work. <i>Applied Ergonomics</i> , 2019, 75, 250-256.	1.7	34
1855	Development and validation of a new elbow-specific scoring system for patients with elbow stiffness: the Shanghai Elbow Dysfunction Score. <i>Journal of Shoulder and Elbow Surgery</i> , 2019, 28, 296-303.	1.2	9
1856	Assessing Shoulder Biomechanics of Healthy Elderly Individuals During Activities of Daily Living Using Inertial Measurement Units: High Maximum Elevation Is Achievable but Rarely Used. <i>Journal of Biomechanical Engineering</i> , 2019, 141, .	0.6	20
1857	A Tangible Solution for Hand Motion Tracking in Clinical Applications. <i>Sensors</i> , 2019, 19, 208.	2.1	38
1858	The Influence of an Active Glove Arm in Softball Pitching: A Biomechanical Evaluation. <i>International Journal of Sports Medicine</i> , 2019, 40, 200-208.	0.8	10
1859	Carpal Kinematics following Sequential Scapholunate Ligament Sectioning. <i>Journal of Wrist Surgery</i> , 2019, 08, 124-131.	0.3	18

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1860	A three-dimensional scapular motion analysis in patients with arthroscopic anterior capsulolabral repair of the shoulder: The effect of scapular stabilization taping. <i>Journal of Orthopaedic Science</i> , 2019, 24, 426-430.	0.5	0
1861	The critical size of a defect in the glenoid causing anterior instability of the shoulder after a Bankart repair, under physiological joint loading. <i>Bone and Joint Journal</i> , 2019, 101-B, 68-74.	1.9	21
1862	A modified standardized nine hole peg test for valid and reliable kinematic assessment of dexterity post-stroke. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2019, 16, 8.	2.4	38
1863	Influence of humeral abduction angle on axial rotation and contact area at the glenohumeral joint. <i>Journal of Shoulder and Elbow Surgery</i> , 2019, 28, 570-577.	1.2	6
1864	Mobility and structural constraints of the bonobo trapeziometacarpal joint. <i>Biological Journal of the Linnean Society</i> , 2019, 127, 681-693.	0.7	14
1865	Influence of thoracic posture on scapulothoracic and glenohumeral motions during eccentric shoulder external rotation. <i>Gait and Posture</i> , 2019, 67, 207-212.	0.6	13
1866	A survey of human shoulder functional kinematic representations. <i>Medical and Biological Engineering and Computing</i> , 2019, 57, 339-367.	1.6	27
1867	Algorithmically detectable directional changes in upper extremity motion indicate substantial myoelectric shoulder muscle fatigue during a repetitive manual task. <i>Ergonomics</i> , 2019, 62, 431-443.	1.1	16
1868	The influence of reconstruction choice and inclusion of radiation therapy on functional shoulder biomechanics in women undergoing mastectomy for breast cancer. <i>Breast Cancer Research and Treatment</i> , 2019, 173, 447-453.	1.1	15
1869	A new method of estimating scapular orientation during various shoulder movements: A comparison of three non-invasive methods. <i>Journal of Electromyography and Kinesiology</i> , 2019, 44, 46-55.	0.7	8
1870	Occupational cranking operations: The scapula perspective. <i>Applied Ergonomics</i> , 2019, 75, 129-133.	1.7	0
1871	The kinematics of 1-on-1 rugby tackling: a study using 3-dimensional motion analysis. <i>Journal of Shoulder and Elbow Surgery</i> , 2019, 28, 149-157.	1.2	11
1872	<i>Biomechanics Imaging and Analysis.</i> , 2019, , 488-500.		11
1873	MRI vs CT-based 2D-3D auto-registration accuracy for quantifying shoulder motion using biplane video-radiography. <i>Journal of Biomechanics</i> , 2019, 82, 375-380.	0.9	20
1874	Analysis of impingement-free range of motion of the glenohumeral joint after reverse total shoulder arthroplasty using three different implant models. <i>Journal of Orthopaedic Science</i> , 2019, 24, 87-94.	0.5	25
1875	The relationship of elbow alignment and kinematics on shoulder torque during the softball pitch: a biomechanical analysis of female softball pitchers. <i>Journal of Shoulder and Elbow Surgery</i> , 2019, 28, 357-364.	1.2	2
1876	Comparing Different Methods to Create a Linear Model for Uncontrolled Manifold Analysis. <i>Motor Control</i> , 2019, 23, 189-204.	0.3	2
1877	Construction and evaluation of a model for wheelchair propulsion in an individual with tetraplegia. <i>Medical and Biological Engineering and Computing</i> , 2019, 57, 519-532.	1.6	14

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1879	The Role of Lumbopelvic-Hip Complex Stability in Softball Throwing Mechanics. <i>Journal of Sport Rehabilitation</i> , 2019, 28, 196-204.	0.4	17
1880	Three-dimensional assessment of the asymptomatic and post-stroke shoulder: intra-rater test-retest reliability and within-subject repeatability of the palpation and digitization approach. <i>Disability and Rehabilitation</i> , 2019, 41, 1826-1834.	0.9	4
1881	Isolated Infraspinatus Atrophy Secondary to Suprascapular Nerve Neuropathy Results in Altered Shoulder Muscles Activity. <i>Journal of Sport Rehabilitation</i> , 2019, 28, 219-228.	0.4	9
1882	Scapular motion adaptations in junior overhead athletes: a three-dimensional kinematic analysis in tennis players and non-overhead athletes. <i>Sports Biomechanics</i> , 2019, 18, 308-316.	0.8	6
1883	Designing instrumented walker to measure upper-extremity's efforts: A case study. <i>Assistive Technology</i> , 2019, 31, 267-275.	1.2	9
1884	Maintaining stable transfemoral amputee gait on level, sloped and simulated uneven conditions in a virtual environment. <i>Disability and Rehabilitation: Assistive Technology</i> , 2019, 14, 226-235.	1.3	20
1885	Effects of Hip Abduction Fatigue on Trunk and Shoulder Kinematics During Throwing and Passive Hip Rotational Range of Motion. <i>Journal of Sport Rehabilitation</i> , 2019, 28, 304-310.	0.4	6
1886	Effects of a Simulated Game on Upper Extremity Pitching Mechanics and Muscle Activations Among Various Pitch Types in Youth Baseball Pitchers. <i>Journal of Pediatric Orthopaedics</i> , 2019, 39, 387-393.	0.6	16
1887	Upper extremity posture and muscle activity during IV pole interaction. <i>International Journal of Occupational Safety and Ergonomics</i> , 2020, 26, 413-422.	1.1	0
1888	Measurement of bend sprinting kinematics with three-dimensional motion capture: a test-retest reliability study. <i>Sports Biomechanics</i> , 2020, 19, 761-777.	0.8	5
1889	Kinematic sequence patterns in the overhead baseball pitch. <i>Sports Biomechanics</i> , 2020, 19, 569-586.	0.8	19
1890	Forearm muscle activation, ulnar nerve at the elbow and forearm fatigue in overhand sports. <i>Sports Biomechanics</i> , 2020, 19, 792-807.	0.8	0
1891	Can the Use of Turn-Assist Surfaces Reduce the Physical Burden on Caregivers When Performing Patient Turning?. <i>Human Factors</i> , 2020, 62, 77-92.	2.1	13
1892	Wearable Biofeedback Suit to Promote and Monitor Aquatic Exercises: A Feasibility Study. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2020, 69, 1219-1231.	2.4	34
1893	Combined manual and automatic landmark detection for enhanced surface registration of anatomical structures: an extensive parameter study for femur and clavicle. <i>Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization</i> , 2020, 8, 94-102.	1.3	2
1894	Iterative Spatial Updating During Forward Linear Walking Revealed Using a Continuous Pointing Task. <i>Journal of Motor Behavior</i> , 2020, 52, 145-166.	0.5	5
1895	The three-dimensional shoulder pain alignment (3D-SPA) mobilization improves pain-free shoulder range, functional reach and sleep following stroke: a pilot randomized control trial. <i>Disability and Rehabilitation</i> , 2020, 42, 3072-3083.	0.9	3

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1897	Comparing inertial measurement units and marker-based biomechanical models during dynamic rotation of the torso. <i>European Journal of Sport Science</i> , 2020, 20, 767-775.	1.4	13
1898	A characterisation of established unilateral transfemoral amputee gait using 3D kinematics, kinetics and oxygen consumption measures. <i>Gait and Posture</i> , 2020, 75, 98-104.	0.6	32
1899	Effects of Kinesio Taping on scapular kinematics and electromyographic activity in subjects with shoulder impingement syndrome. <i>Journal of Bodywork and Movement Therapies</i> , 2020, 24, 109-117.	0.5	3
1900	Three-dimensional in vivo scapular kinematics and scapulohumeral rhythm: a comparison between active and passive motion. <i>Journal of Shoulder and Elbow Surgery</i> , 2020, 29, 185-194.	1.2	13
1901	A Robotic Glenohumeral Simulator for Investigating Prosthetic Implant Subluxation. <i>Journal of Biomechanical Engineering</i> , 2020, 142, .	0.6	1
1902	Motion-Based Prediction of Hands and Feet Contact Efforts During Asymmetric Handling Tasks. <i>IEEE Transactions on Biomedical Engineering</i> , 2020, 67, 344-352.	2.5	11
1903	A Detailed Kinematic Multibody Model of the Shoulder Complex After Total Shoulder Replacement. <i>Computational Methods in Applied Sciences (Springer)</i> , 2020, , 34-42.	0.1	0
1904	Assessment of bimanual performance in 3-D movement analysis: Validation of a new clinical protocol in children with unilateral cerebral palsy. <i>Annals of Physical and Rehabilitation Medicine</i> , 2020, 63, 408-415.	1.1	8
1905	The Biomechanical Consequences of Trapeziectomy and Partial Trapezoidectomy in the Treatment of Thumb Carpometacarpal and Scaphotrapezotrapezoid Arthritis. <i>Journal of Hand Surgery</i> , 2020, 45, 257.e1-257.e7.	0.7	6
1906	Prosthetic gait of unilateral lower-limb amputees with current and novel prostheses: A pilot study. <i>Clinical Biomechanics</i> , 2020, 71, 59-67.	0.5	10
1907	Relationship of pelvis and torso angular jerk to hand velocity in female softball hitting. <i>Journal of Sports Sciences</i> , 2020, 38, 46-52.	1.0	3
1908	By failing to prepare, you are preparing your anterior cruciate ligament to fail. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2020, 30, 303-311.	1.3	8
1909	Use of Wearable Sensor Technology in Gait, Balance, and Range of Motion Analysis. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 234.	1.3	75
1910	Accuracy and repeatability of wrist joint angles in boxing using an electromagnetic tracking system. <i>Sports Engineering</i> , 2020, 23, 1.	0.5	7
1911	Effects of a Simulated Game on Pitching Kinematics in Youth Softball Pitcher. <i>International Journal of Sports Medicine</i> , 2020, 41, 189-195.	0.8	13
1912	Glenohumeral stabilizing roles of the scapulohumeral muscles: Implications of muscle geometry. <i>Journal of Biomechanics</i> , 2020, 100, 109589.	0.9	10
1913	Influence of technique on upper body force and power production during medicine ball throws. <i>Journal of Sports Sciences</i> , 2020, 38, 470-475.	1.0	3

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1914	Glenohumeral external rotation weakness partially accounts for increased humeral rotation torque in youth baseball pitchers. <i>Journal of Science and Medicine in Sport</i> , 2020, 23, 361-365.	0.6	11
1915	The Effect of Surgical Treatments for Trapeziometacarpal Osteoarthritis on Wrist Biomechanics: A Cadaver Study. <i>Journal of Hand Surgery</i> , 2020, 45, 389-398.	0.7	8
1916	Three-dimensional analysis of displacement characteristics of dorsally angulated intra-articular distal radial fractures. <i>Journal of Hand Surgery: European Volume</i> , 2020, 45, 339-347.	0.5	7
1917	The biomechanics of subscapularis repair in reverse shoulder arthroplasty: The effect of lateralization and insertion site. <i>Journal of Orthopaedic Research</i> , 2020, 38, 888-894.	1.2	17
1918	Comparison of scapular kinematics and muscle strength between those with a positive and a negative Scapular Assistance Test. <i>Clinical Biomechanics</i> , 2020, 73, 166-171.	0.5	5
1919	Kinematic modifications of the lower limb during the acceleration phase of bend sprinting. <i>Journal of Sports Sciences</i> , 2020, 38, 336-342.	1.0	6
1920	Scapholunate kinematics after flexible anchor repair. <i>Medical Engineering and Physics</i> , 2020, 75, 59-64.	0.8	1
1921	The ability of surface electromyography to represent supraspinatus anterior and posterior partition activity depends on elevation angle, hand load and plane of elevation. <i>Journal of Biomechanics</i> , 2020, 99, 109526.	0.9	3
1922	Statistical shape modelling of the first carpometacarpal joint reveals high variation in morphology. <i>Biomechanics and Modeling in Mechanobiology</i> , 2020, 19, 1203-1210.	1.4	13
1923	Validation of a low-cost inertial motion capture system for whole-body motion analysis. <i>Journal of Biomechanics</i> , 2020, 99, 109520.	0.9	43
1924	Is deep squat movement strategy related to floor-to-waist height lifting strategy: implications for physical employment testing. <i>Ergonomics</i> , 2020, 63, 152-162.	1.1	2
1925	Ranking Stretcher and Backboard Related Paramedic Lifting Tasks Based on Their Biomechanical Demand on the Low Back. <i>IJSE Transactions on Occupational Ergonomics and Human Factors</i> , 2020, 8, 9-19.	0.5	7
1926	The effects of target location on musculoskeletal load, task performance, and subjective discomfort during virtual reality interactions. <i>Applied Ergonomics</i> , 2020, 84, 103010.	1.7	42
1927	Shoulder mechanical impingement risk associated with manual wheelchair tasks in individuals with spinal cord injury. <i>Clinical Biomechanics</i> , 2020, 71, 221-229.	0.5	18
1928	ISB recommendations on the reporting of intersegmental forces and moments during human motion analysis. <i>Journal of Biomechanics</i> , 2020, 99, 109533.	0.9	104
1929	Wearable Inertial Sensors for Range of Motion Assessment. <i>IEEE Sensors Journal</i> , 2020, 20, 3777-3787.	2.4	23
1930	Low back pain affects coordination between the trunk segments but not variability during running. <i>Journal of Biomechanics</i> , 2020, 101, 109605.	0.9	6
1931	Soft Sensing Shirt for Shoulder Kinematics Estimation. , 2020, , .		24

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1932	Effect of the presence or absence of upper limb support on posture when a smartphone user is in a seated position under ambient light conditions. <i>International Journal of Industrial Ergonomics</i> , 2020, 80, 103050.	1.5	10
1933	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
1934	The relationship between pitch velocity and shoulder distraction force and elbow valgus torque in collegiate and high school pitchers. <i>Journal of Shoulder and Elbow Surgery</i> , 2020, 29, 2661-2667.	1.2	15
1935	Three-dimensional alignment changes of the shoulder girdle between the supine and standing positions. <i>Journal of Orthopaedic Surgery and Research</i> , 2020, 15, 411.	0.9	9
1936	Statistical Parametric Mapping Reveals Subtle Gender Differences in Angular Movements in Table Tennis Topspin Backhand. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 6996.	1.2	13
1937	Development of a comparative chimpanzee musculoskeletal glenohumeral model: implications for human function. <i>Journal of Experimental Biology</i> , 2020, 223, .	0.8	3
1939	Kinematic Measures of Bimanual Performance are Associated With Callosum White Matter Change in People With Chronic Stroke. <i>Archives of Rehabilitation Research and Clinical Translation</i> , 2020, 2, 100075.	0.5	2
1940	Using Magneto-Inertial Measurement Units to Pervasively Measure Hip Joint Motion during Sports. <i>Sensors</i> , 2020, 20, 4970.	2.1	8
1941	Distribution of tremor among the major degrees of freedom of the upper limb in subjects with Essential Tremor. <i>Clinical Neurophysiology</i> , 2020, 131, 2700-2712.	0.7	7
1942	Simultaneous identification of human body model parameters and gait trajectory from 3D motion capture data. <i>Medical Engineering and Physics</i> , 2020, 84, 193-202.	0.8	13
1943	Kinematic and kinetic comparison between American and Japanese collegiate pitchers. <i>Journal of Science and Medicine in Sport</i> , 2020, 23, 1202-1207.	0.6	23
1944	Influence of glenohumeral joint muscle insertion on moment arms using a finite element model. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2020, 23, 1117-1126.	0.9	5
1945	Shoulder Motion Analysis During Codman Pendulum Exercises. <i>Arthroscopy, Sports Medicine, and Rehabilitation</i> , 2020, 2, e333-e339.	0.8	3
1946	A Modified Kinematic Model of Shoulder Complex Based on Vicon Motion Capturing System: Generalized GH Joint with Floating Centre. <i>Sensors</i> , 2020, 20, 3713.	2.1	9
1948	Inter-rater reliability of an inertial measurement unit sensor-based posture-matching method: A pilot study. <i>International Journal of Industrial Ergonomics</i> , 2020, 80, 103025.	1.5	6
1949	Motor learning in real-world pool billiards. <i>Scientific Reports</i> , 2020, 10, 20046.	1.6	35
1951	Subject-specific Finite Element Modelling of the Human Shoulder Complex Part 1: Model Construction and Quasi-static Abduction Simulation. <i>Journal of Bionic Engineering</i> , 2020, 17, 1224-1238.	2.7	5
1952	Electromyographic Muscle Activity and Three-dimensional Scapular Kinematics in Patients With Multidirectional Shoulder Instability: A Study in the Hypermobile Type of the Ehlers-Danlos Syndrome and the Hypermobility Spectrum Disorders. <i>Arthritis Care and Research</i> , 2022, 74, 833-840.	1.5	5

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1953	The influence of sagittal trunk leans on uneven running mechanics. <i>Journal of Experimental Biology</i> , 2021, 224, .	0.8	0
1954	Effect of Expertise on Shoulder and Upper Limb Kinematics, Electromyography, and Estimated Muscle Forces During a Lifting Task. <i>Human Factors</i> , 2022, 64, 800-819.	2.1	6
1955	Quantitative and Qualitative Analyses of the Lateral Ligamentous Complex and Extensor Tendon Origins of the Elbow: An Anatomic Study. <i>Orthopaedic Journal of Sports Medicine</i> , 2020, 8, 232596712096137.	0.8	11
1956	Three-dimensional measurement of proximal radioulnar space during active forearm pronation. <i>Journal of Biomechanics</i> , 2020, 113, 110120.	0.9	4
1957	Ultra-sensitive and resilient compliant strain gauges for soft machines. <i>Nature</i> , 2020, 587, 219-224.	13.7	279
1958	The effect of planar constraint on the definition of the wrist axes of rotation. <i>Journal of Biomechanics</i> , 2020, 113, 110083.	0.9	5
1959	Effect of Glenohumeral Internal Rotation Deficit on Shoulder in Baseball Pitchers during Fastball Pitching. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 8211.	1.2	5
1960	A coordinate-system-independent method for comparing joint rotational mobilities. <i>Journal of Experimental Biology</i> , 2020, 223, .	0.8	21
1961	Primary stability analysis of stemless shoulder implants. <i>Medical Engineering and Physics</i> , 2020, 81, 22-29.	0.8	17
1962	Reliable interpretation of scapular kinematics depends on coordinate system definition. <i>Gait and Posture</i> , 2020, 81, 183-190.	0.6	13
1963	Sub-regional activation of supraspinatus and infraspinatus muscles during activities of daily living is task dependent. <i>Journal of Electromyography and Kinesiology</i> , 2020, 54, 102450.	0.7	2
1964	Three Dimensional Upper Limb Joint Kinetics of a Golf Swing with Measured Internal Grip Force. <i>Sensors</i> , 2020, 20, 3672.	2.1	6
1965	A Three-Dimensional Parametric Biomechanical Rider Model for Multibody Applications. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 4509.	1.3	5
1966	The biomechanical effects of pronated foot function on gait. An experimental study. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2020, 30, 2167-2177.	1.3	13
1967	Do static and dynamic activities induce potentially damaging breast skin strain?. <i>BMJ Open Sport and Exercise Medicine</i> , 2020, 6, e000770.	1.4	4
1968	Feedback improves the scapular-focused treatment effects in patients with shoulder impingement syndrome. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2021, 29, 2281-2288.	2.3	3
1969	The effect of coordinate system selection on wrist kinematics. <i>Journal of Biomechanics</i> , 2020, 109, 109881.	0.9	3
1970	The Effect of Shoulder Mobilization on Scapular and Shoulder Muscle Activity During Resisted Shoulder Abduction: A Crossover Study of Asymptomatic Individuals. <i>Journal of Manipulative and Physiological Therapeutics</i> , 2020, 43, 832-844.	0.4	4

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1971	Lateral stability in healthy proximal interphalangeal joints versus surface replacement and silicone arthroplasty: Results of a three-dimensional motion analysis study. <i>Hand Surgery and Rehabilitation</i> , 2020, 39, 296-301.	0.2	7
1972	Avoiding high-risk rotator cuff loading: Muscle force during three pull-up techniques. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2020, 30, 2205-2214.	1.3	3
1973	Impacts of different fabric scissor designs on physical demands and performance in simulated fabric cutting tasks. <i>Applied Ergonomics</i> , 2020, 89, 103219.	1.7	4
1974	Assessment of intraoperative joint loads and mobility in reverse total shoulder arthroplasty through a humeral trial sensor. <i>Seminars in Arthroplasty</i> , 2020, 30, 2-12.	0.3	4
1975	Measuring upper arm elevation using an inertial measurement unit: An exploration of sensor fusion algorithms and gyroscope models. <i>Applied Ergonomics</i> , 2020, 89, 103187.	1.7	23
1976	Effects of environmental illumination and screen brightness settings on upper limb and axial skeleton parameters: how do users adapt postures?. <i>Ergonomics</i> , 2020, 63, 1561-1570.	1.1	3
1977	Scapulohumeral rhythm in patients after total shoulder arthroplasty compared to age-matched healthy individuals. <i>Gait and Posture</i> , 2020, 82, 38-44.	0.6	5
1978	How Do Scapulothoracic Kinematics During Shoulder Elevation Differ Between Adults With and Without Rotator Cuff Arthropathy?. <i>Clinical Orthopaedics and Related Research</i> , 2020, 478, 2640-2649.	0.7	11
1979	Understanding individual differences in lifting mechanics: Do some people adopt motor control strategies that minimize biomechanical exposure. <i>Human Movement Science</i> , 2020, 74, 102689.	0.6	7
1980	Trajectory Control for 3 Degree-of-Freedom Wrist Prosthesis in Virtual Reality: A Pilot Study. , 2020, , .		2
1981	The immediate effect of thumb orthoses on upper extremity's movement: A kinematic analysis of five unique devices. <i>Gait and Posture</i> , 2020, 82, 209-216.	0.6	1
1982	Cartilage and subchondral bone distributions of the distal radius: a 3-dimensional analysis using cadavers. <i>Osteoarthritis and Cartilage</i> , 2020, 28, 1572-1580.	0.6	6
1983	Examining assessment methods of scapular motion: Comparing results from planar elevations and functional task performance. <i>Clinical Biomechanics</i> , 2020, 80, 105203.	0.5	6
1984	Mechanisms of Modulation of Automatic Scapulothoracic Muscle Contraction Timings. <i>Journal of Motor Behavior</i> , 2020, 53, 1-11.	0.5	2
1985	Anthropomorphic Gait Generation using Differential Dynamic Programming with a Reduced Number of Cost Criteria. , 2020, , .		1
1986	Three-dimensional kinematic analysis of dislocation mechanism in dual mobility total hip arthroplasty constructs. <i>Journal of Orthopaedic Research</i> , 2021, 39, 1423-1432.	1.2	5
1987	Prediction of Passive Torque on Human Shoulder Joint Based on BPANN. <i>Applied Bionics and Biomechanics</i> , 2020, 2020, 1-10.	0.5	5
1988	Shoulder Kinematics Assessment towards Exoskeleton Development. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 6336.	1.3	12

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1990	Adjustments in end-effector trajectory and underlying joint angle synergies after a target switch: Order of adjustment is flexible. PLoS ONE, 2020, 15, e0238561.	1.1	3
1991	Assessment of Joint Angle and Reach Envelope Demands Using a Video-Based Physical Demands Description Tool. Human Factors, 2020, , 001872082095134.	2.1	4
1992	Global lower limb muscle coactivation during walking in trans-femoral and trans-tibial amputees. , 2020, , .		0
1993	Clinical Factors Related to Improved Scapular Control After a Scapular Conscious Control Program in Symptomatic Overhead Athletes: Secondary Analysis of a Randomized Controlled Trial. Orthopaedic Journal of Sports Medicine, 2020, 8, 232596712096460.	0.8	0
1994	Stride-Phase Kinematic Parameters That Predict Peak Elbow Varus Torque. Orthopaedic Journal of Sports Medicine, 2020, 8, 232596712096806.	0.8	6
1995	The Validity and Reliability of the Microsoft Kinect for Measuring Trunk Compensation during Reaching. Sensors, 2020, 20, 7073.	2.1	5
1996	A Practical Guide to Measuring<i>Ex vivo</i>Joint Mobility Using XROMM. Integrative Organismal Biology, 2020, 2, obaa041.	0.9	11
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1998	Variability of glenohumeral positioning and bone-to-tendon marker length measurements in repaired rotator cuffs from longitudinal computed tomographic imaging. JSES International, 2020, 4, 838-847.	0.7	1
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2002	Flexion-Extension Wrist Impedance Estimation Using a Novel Portable Wrist Exoskeleton: a Pilot Study. , 2020, , .		3
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2068	Deep Learning-Based Upper Limb Functional Assessment Using a Single Kinect v2 Sensor. <i>Sensors</i> , 2020, 20, 1903.	2.1	22
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2085	Three-dimensional kinematic features in large and massive rotator cuff tears with pseudoparesis. <i>Journal of Shoulder and Elbow Surgery</i> , 2021, 30, 720-728.	1.2	7
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2087	Exploring the prospective efficacy of waste bag-body contact allowance to reduce biomechanical exposure in municipal waste collection. <i>Applied Ergonomics</i> , 2021, 90, 103182.	1.7	1
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2131	Three-dimensional evaluations of preoperative planning reproducibility for the osteosynthesis of distal radius fractures. <i>Journal of Orthopaedic Surgery and Research</i> , 2021, 16, 131.	0.9	6
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