

The Reliability and Validity of Handheld Dynamometry Lower-Extremity Muscle Strength in Older Adults

Journal of Strength and Conditioning Research

24, 815-824

DOI: [10.1519/jsc.0b013e3181aa36b8](https://doi.org/10.1519/jsc.0b013e3181aa36b8)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Measurement of Peripheral Muscle Strength in Individuals With Chronic Obstructive Pulmonary Disease. <i>Journal of Cardiopulmonary Rehabilitation and Prevention</i> , 2011, 31, 11-24.	1.2	78
2	Poor physical function in elderly women in low-level aged care is related to muscle strength rather than to measures of sarcopenia. <i>Clinical Interventions in Aging</i> , 2011, 6, 67.	1.3	52
3	The interobserver agreement of handheld dynamometry for muscle strength assessment in critically ill patients. <i>Critical Care Medicine</i> , 2011, 39, 1929-1934.	0.4	75
4	Relative reliability of three objective tests of limb muscle strength. <i>Isokinetics and Exercise Science</i> , 2011, 19, 77-81.	0.2	34
5	RELACIÃO ENTRE LA DINAMOMETRÍA DE MANO Y LA CIRCUNFERENCIA DE PANTORRILLA CON EL ÍNDICE DE MASA CORPORAL EN ANCIANOS AUTOVALENTES. <i>Revista Chilena De Nutricion</i> , 2011, 38, 23-29.	0.1	1
6	Enhancing the Examiner's Resisting Force Improves the Validity of Manual Muscle Strength Measurements. <i>Journal of Strength and Conditioning Research</i> , 2012, 26, 2364-2371.	1.0	8
7	The relationship between heart rate as an indicator of work hardness and results of dynamometry. <i>Work</i> , 2012, 41, 5677-5680.	0.6	4
8	Effectiveness of Modified Quadriceps Femoris Muscle Setting Exercise for the Elderly in Early Rehabilitation after Total Knee Arthroplasty. <i>Journal of Physical Therapy Science</i> , 2012, 24, 27-30.	0.2	6
9	Progressive strength training (10 RM) commenced immediately after fast-track total knee arthroplasty: is it feasible?. <i>Disability and Rehabilitation</i> , 2012, 34, 1034-1040.	0.9	36
10	Reproducibility of range of motion and muscle strength measurements in patients with hip osteoarthritis – an inter-rater study. <i>BMC Musculoskeletal Disorders</i> , 2012, 13, 242.	0.8	27
11	A Systematic Review of Dynamometry and its Role in Hand Trauma Assessment. <i>The Open Orthopaedics Journal</i> , 2012, 6, 95-102.	0.1	24
12	Effects of high-speed power training on functional capacity and muscle performance in older women. <i>Experimental Gerontology</i> , 2012, 47, 250-255.	1.2	108
13	The impact of supplemental N-3 long chain polyunsaturated fatty acids and dietary antioxidants on physical performance in postmenopausal women. <i>Journal of Nutrition, Health and Aging</i> , 2013, 17, 76-80.	1.5	114
14	Knee extension range of motion and self-report physical function in total knee arthroplasty: mediating effects of knee extensor strength. <i>BMC Musculoskeletal Disorders</i> , 2013, 14, 33.	0.8	13
15	Effect of increased fruit and vegetable consumption on physical function and muscle strength in older adults. <i>Age</i> , 2013, 35, 2409-2422.	3.0	61
16	How does age affect leg muscle activity/coactivity during uphill and downhill walking?. <i>Gait and Posture</i> , 2013, 37, 378-384.	0.6	99
17	Effects of the progressive walking-to-running technique on gait kinematics, ultrasound imaging, and motor function in spastic diplegic cerebral palsy – an experimenter-blind case study. <i>NeuroRehabilitation</i> , 2013, 32, 17-26.	0.5	5
18	Evaluation of hip flexion strength following lateral lumbar interbody fusion. <i>Spine Journal</i> , 2013, 13, 1259-1262.	0.6	30

#	ARTICLE	IF	CITATIONS
19	Associations of Self-Report Physical Function With Knee Strength and Knee Range-Of-Motion in Total Knee Arthroplasty Possible Nonlinear and Threshold Effects. <i>Journal of Arthroplasty</i> , 2013, 28, 1521-1527.	1.5	8
20	High-Speed Resistance Training in Elderly People. <i>Strength and Conditioning Journal</i> , 2013, 35, 23-29.	0.7	13
21	Not All Is Lost: Old Adults Retain Flexibility in Motor Behaviour during Sit-to-Stand. <i>PLoS ONE</i> , 2013, 8, e77760.	1.1	26
22	Test-Retest Reliability and Validity of Isometric Knee-Flexion and -Extension Measurement Using 3 Methods of Assessing Muscle Strength. <i>Journal of Sport Rehabilitation</i> , 2013, 22, .	0.4	78
23	Clinical effectiveness of grip strength in predicting ambulation of elderly inpatients. <i>Clinical Interventions in Aging</i> , 2014, 9, 1873.	1.3	21
24	Rehabilitation of Postoperative Hip. , 2014, , 1-21.		1
25	Feasibility and Impact of a Physical Exercise Program in Patients with Advanced Cancer: A Pilot Study. <i>Journal of Palliative Medicine</i> , 2014, 17, 1091-1098.	0.6	40
26	Persons With Chronic Hip Joint Pain Exhibit Reduced Hip Muscle Strength. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , 2014, 44, 890-898.	1.7	74
27	Reliability and effects of muscular pretension on isometric strength of older adults. <i>European Review of Aging and Physical Activity</i> , 2014, 11, 69-76.	1.3	4
28	Brain control of volitional ankle tasks in people with chronic stroke and in healthy individuals. <i>Journal of the Neurological Sciences</i> , 2014, 338, 148-155.	0.3	16
29	Relationship Between Lower Extremity Muscle Strength and All-Cause Mortality in Japanese Patients Undergoing Dialysis. <i>Physical Therapy</i> , 2014, 94, 947-956.	1.1	80
30	The Gluteus Medius Vs. Thigh Muscles Strength Ratio and Their Relation to Electromyography Amplitude During a Farmer's Walk Exercise. <i>Journal of Human Kinetics</i> , 2015, 45, 157-165.	0.7	10
31	Relationships among the Y balance test, Berg Balance Scale, and lower limb strength in middle-aged and older females. <i>Brazilian Journal of Physical Therapy</i> , 2015, 19, 227-234.	1.1	52
32	Assessment of Lower Limb Muscle Strength and Power Using Hand-Held and Fixed Dynamometry: A Reliability and Validity Study. <i>PLoS ONE</i> , 2015, 10, e0140822.	1.1	313
33	Novel Use of the Nintendo Wii Board for Measuring Isometric Lower Limb Strength: A Reproducible and Valid Method in Older Adults. <i>PLoS ONE</i> , 2015, 10, e0138660.	1.1	16
34	The reliability of hand-held dynamometry for strength assessment during electrically induced muscle contractions. <i>Physiotherapy Theory and Practice</i> , 2015, 31, 61-66.	0.6	4
35	Noninvasive neurostimulation in chronic stroke: a double-blind randomized sham-controlled testing of clinical and corticomotor effects. <i>Topics in Stroke Rehabilitation</i> , 2015, 22, 8-17.	1.0	34
36	Reliability of measurements of hip abduction strength obtained with a hand-held dynamometer. <i>Physiotherapy Theory and Practice</i> , 2015, 31, 146-152.	0.6	26

#	ARTICLE	IF	CITATIONS
37	The identification of fall history using maximal and rapid isometric torque characteristics of the hip extensors in healthy, recreationally active elderly females: a preliminary investigation. <i>Aging Clinical and Experimental Research</i> , 2015, 27, 431-438.	1.4	23
38	Creatinine Clearance, Walking Speed, and Muscle Atrophy: A Cohort Study. <i>American Journal of Kidney Diseases</i> , 2015, 65, 737-747.	2.1	51
39	Reliability and validity of selected measures associated with increased fall risk in females over the age of 45 years with distal radius fracture – A pilot study. <i>Journal of Hand Therapy</i> , 2015, 28, 2-10.	0.7	14
40	A Preliminary Study of the Utilization of Maximal and Rapid Strength Characteristics to Identify Chair-Rise Performance Abilities in Very Old Adults. <i>Journal of Geriatric Physical Therapy</i> , 2016, 39, 102-109.	0.6	11
41	Short term recovery of strength and function following the direct anterior total hip arthroplasty. <i>Physiotherapy Practice and Research</i> , 2016, 37, 79-89.	0.1	0
42	Hip Abductor Muscle Strength Associations with Gait Speed and Gait Independence Level of Hemiparetic Stroke Patients. <i>Rigakuryoho Kagaku</i> , 2016, 31, 723-727.	0.0	1
43	Validity of the Handheld Dynamometer Compared with an Isokinetic Dynamometer in Measuring Peak Hip Extension Strength. <i>Physiotherapy Canada Physiotherapie Canada</i> , 2016, 68, 15-22.	0.3	20
44	Diagnostic Accuracy of Handheld Dynamometry and 1-Repetition-Maximum Tests for Identifying Meaningful Quadriceps Strength Asymmetries. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , 2017, 47, 97-107.	1.7	38
45	Association between grip strength and diabetes prevalence in black, South Asian, and white European ethnic groups: a cross-sectional analysis of 418,656 participants in the UK Biobank study. <i>Diabetic Medicine</i> , 2017, 34, 1120-1128.	1.2	57
46	Validity and test-retest reliability of a novel simple back extensor muscle strength test. <i>SAGE Open Medicine</i> , 2017, 5, 205031211668884.	0.7	38
47	Age-related effects on maximal and rapid hamstrings/quadriceps strength capacities and vertical jump power in young and older females. <i>Aging Clinical and Experimental Research</i> , 2017, 29, 1231-1239.	1.4	14
48	Resistance Training With Ankle Weight Cuffs Is Feasible in Patients With Acute Exacerbation of COPD. <i>Journal of Cardiopulmonary Rehabilitation and Prevention</i> , 2017, 37, 49-56.	1.2	8
49	Acute effects of Kinesio taping on muscle function and self-perceived fatigue level in healthy adults. <i>European Journal of Sport Science</i> , 2017, 17, 757-764.	1.4	10
50	After-effects of peripheral neurostimulation on brain plasticity and ankle function in chronic stroke: The role of afferents recruited. <i>Neurophysiologie Clinique</i> , 2017, 47, 275-291.	1.0	27
51	Unilateral lower limb strength assessed using the Nintendo Wii Balance Board: a simple and reliable method. <i>Aging Clinical and Experimental Research</i> , 2017, 29, 1013-1020.	1.4	11
52	Reliability, Concurrent Validity, and Minimal Detectable Change for iPhone Goniometer App in Assessing Knee Range of Motion. <i>Journal of Knee Surgery</i> , 2017, 30, 577-584.	0.9	37
53	Absolute reliability and concurrent validity of hand held dynamometry and isokinetic dynamometry in the hip, knee and ankle joint: systematic review and meta-analysis. <i>Open Medicine (Poland)</i> , 2017, 12, 359-375.	0.6	107
54	Hip Abductor Muscle Volume and Strength Differences Between Women With Chronic Hip Joint Pain and Asymptomatic Controls. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , 2017, 47, 923-930.	1.7	22

#	ARTICLE	IF	CITATIONS
55	Reliability and Validity of the Belt-Stabilized Handheld Dynamometer in Hip- and Knee-Strength Tests. <i>Journal of Athletic Training</i> , 2017, 52, 809-819.	0.9	68
56	Muscle Strength and Independence for Older Individuals in Nursing Homes. <i>Topics in Geriatric Rehabilitation</i> , 2017, 33, 255-261.	0.2	1
57	Validity of maximal isometric knee extension strength measurements obtained via belt-stabilized hand-held dynamometry in healthy adults. <i>Journal of Physical Therapy Science</i> , 2017, 29, 1987-1992.	0.2	13
58	The use of a sphygmomanometer to measure shoulder isometric strength: a validity and reliability study. <i>Fisioterapia Em Movimento</i> , 2017, 30, 587-593.	0.4	2
59	Knee extensor strength assessed using a vertical squat and a simple geometric model to calculate joint torque: An evaluation of validity and clinical utility. <i>Geriatrics and Gerontology International</i> , 2018, 18, 1125-1131.	0.7	3
60	Associations Between Lean Mass, Muscle Strength and Power, and Skeletal Size, Density and Strength in Older Men. <i>Journal of Bone and Mineral Research</i> , 2018, 33, 1612-1621.	3.1	21
61	Reliability and validity of trunk flexor and trunk extensor strength measurements using handheld dynamometry in a healthy athletic population. <i>Physical Therapy in Sport</i> , 2018, 34, 180-186.	0.8	31
62	Effects of pre-surgery physiotherapy on walking ability and lower extremity strength in patients with degenerative lumbar spine disorder: Secondary outcomes of the PREPARE randomised controlled trial. <i>BMC Musculoskeletal Disorders</i> , 2019, 20, 468.	0.8	28
63	Quadriceps muscle strength is a discriminant predictor of dependence in daily activities in nursing home residents. <i>PLoS ONE</i> , 2019, 14, e0223016.	1.1	23
64	What is the evidence to support early supervised exercise therapy after primary total knee replacement? A systematic review and meta-analysis. <i>BMC Musculoskeletal Disorders</i> , 2019, 20, 42.	0.8	26
65	Differences in Kidney Function Estimates Based on Creatinine and/or Cystatin C in Non-Traumatic Amputation Patients and Their Impact on Drug Prescribing. <i>Journal of Clinical Medicine</i> , 2019, 8, 89.	1.0	6
66	Use of Isokinetic Dynamometry to Assess Muscle Function in Burned Patients is a Reliable Tool to Assist Progressive Resistance Exercise Prescription. <i>Journal of Burn Care and Research</i> , 2019, , .	0.2	0
67	Reference values for hand muscle strength evaluation methods in healthy young adults. <i>Journal of Back and Musculoskeletal Rehabilitation</i> , 2019, 32, 921-929.	0.4	3
68	Instability Resistance Training Decreases Motor Noise During Challenging Walking Tasks in Older Adults: A 10-Week Double-Blinded RCT. <i>Frontiers in Aging Neuroscience</i> , 2019, 11, 32.	1.7	8
69	It's Not Always All About the Nuts and Bolts of Exercise Testing and Prescription!. <i>Rehabilitation Oncology</i> , 2019, 37, 87-89.	0.2	0
70	Hand-held dynamometer identifies asymmetries in torque of the quadriceps muscle after anterior cruciate ligament reconstruction. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2019, 27, 2494-2501.	2.3	25
71	Factors associated with impairment in gait speed in older people with clinically normal gait. A cross-sectional study. <i>Aging Clinical and Experimental Research</i> , 2020, 32, 1043-1048.	1.4	4
72	Isometric exercises and somatosensory training as intervention programmes for patellofemoral pain in young dancers. <i>European Journal of Sport Science</i> , 2020, 20, 845-857.	1.4	11

#	ARTICLE	IF	CITATIONS
73	Inspiratory muscle strength and walking capacity in patients with COPD. <i>European Clinical Respiratory Journal</i> , 2020, 7, 1700086.	0.7	3
74	The reliability and validity of novel clinical strength measures of the upper body in older adults. <i>Hand Therapy</i> , 2020, 25, 130-138.	0.5	3
75	Behavior of the muscle quality index and isometric strength in elderly women. <i>Physiology and Behavior</i> , 2020, 227, 113145.	1.0	9
76	Stiffness of the iliotibial band and associated muscles in runner's knee: Assessing the effects of physiotherapy through ultrasound shear wave elastography. <i>Physical Therapy in Sport</i> , 2020, 45, 126-134.	0.8	13
77	Diagnostic Accuracy of Clinical Tests for the Indirect Assessment of Hip Abductor Muscle Strength in Community-Dwelling Older Women. <i>Physical Therapy</i> , 2020, 100, 1967-1976.	1.1	4
78	The Effects of Wild Ginseng Extract on Psychomotor and Neuromuscular Performance Recovery Following Acute Eccentric Exercise: A Preliminary Study. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 5839.	1.3	5
79	Effects of local vibration and cervical stabilization exercises on balance, joint position sense, and isometric muscle performance in young adults: A randomized controlled study. <i>Isokinetics and Exercise Science</i> , 2020, 28, 401-414.	0.2	2
80	Reliability, responsiveness, and validity of handheld dynamometry for assessing quadriceps strength in total knee arthroplasty. <i>Disability and Rehabilitation</i> , 2020, 43, 1-8.	0.9	5
81	An exploration of the differences in hip strength, gluteus medius activity, and trunk, pelvis, and lower-limb biomechanics during different functional tasks. <i>International Biomechanics</i> , 2020, 7, 35-43.	0.9	6
82	Relationship Between Lower Limb Muscle Strength and Future Falls Among Community-Dwelling Older Adults With No History of Falls: A Prospective 1-Year Study. <i>Journal of Applied Gerontology</i> , 2021, 40, 339-346.	1.0	15
83	Accuracy of the step test to evaluate lower limb muscle strength in community-dwelling older women. <i>Journal of Bodywork and Movement Therapies</i> , 2021, 25, 133-139.	0.5	4
84	Smartphone goniometer has excellent reliability between novice and experienced physical therapists in assessing knee range of motion. <i>Journal of Bodywork and Movement Therapies</i> , 2021, 25, 67-74.	0.5	7
85	Do motor-cognitive and motor-motor dual task training effect differently balance performance in older adults?. <i>European Geriatric Medicine</i> , 2021, 12, 371-378.	1.2	10
86	The effects of wearing high heeled shoes on the muscles and joints of lower limb. <i>Biomedical Human Kinetics</i> , 2021, 13, 81-96.	0.2	2
87	Rate of Torque Development and Torque Steadiness of the Lower Limb and Future Falls Among Community-Dwelling Older Adults Without Previous Falls: A Longitudinal 1-Year Study. <i>Journal of Aging and Physical Activity</i> , 2021, , 1-9.	0.5	0
88	Decrease of physical fitness during neoadjuvant chemoradiotherapy predicts the risk of pneumonia after esophagectomy. <i>Ecological Management and Restoration</i> , 2021, 34, .	0.2	3
89	Egzersiz, elektriksel kas stimülasyonu, elektromyografik biofeedback ve robotik rehabilitasyonun hemiplejik hastaların tibialis anterior kas aktivasyonu üzerine etkileri. <i>Adnan Yaman Üniversitesi Sağlık Bilimleri Dergisi</i> , 0, , 1-13.	0.3	0
90	Reliability and Validity of the Ground Reaction Force Asymmetric Index at Seat-Off as a Measure of Lower Limb Functional Muscle Strength: A Preliminary Study. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 6527.	1.3	1

#	ARTICLE	IF	CITATIONS
91	Impact of Relative Muscle Power on Hospitalization and All-Cause Mortality in Older Adults. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2022, 77, 781-789.	1.7	23
92	Reliability and Diagnostic Accuracy of Commonly Used Performance Tests Relative to Fall History in Older Persons: A Systematic Review. <i>Clinical Interventions in Aging</i> , 2021, Volume 16, 1591-1616.	1.3	15
93	Hip muscle strength, dynamic balance and functional capacity of community-dwelling older adults aged 60 and older: A cross-sectional study. <i>Journal of Biomechanics</i> , 2021, 129, 110753.	0.9	1
94	The impact of supplemental n-3 long chain polyunsaturated fatty acids and dietary antioxidants on physical performance in postmenopausal women. <i>Journal of Nutrition, Health and Aging</i> , 0, , .	1.5	1
95	Strength and Step Activity After Eccentric Resistance Training in Those With Incomplete Spinal Cord Injuries. <i>Topics in Spinal Cord Injury Rehabilitation</i> , 2018, 24, 343-352.	0.8	3
96	Intrarater Reliability and Agreement of Recommended Performance-Based Tests and Common Muscle Function Tests in Knee Osteoarthritis. <i>Journal of Geriatric Physical Therapy</i> , 2021, 44, 144-152.	0.6	9
97	VALIDITY OF TWO CLINICAL KNEE STRENGTH ASSESSMENTS COMPARED TO THE REFERENCE STANDARD. <i>International Journal of Physiotherapy and Research</i> , 2015, 3, 1264-1270.	0.1	3
98	Generalized Joint Hypermobility, Muscle Strength and Physical Function in Healthy Adolescents and Young Adults. <i>Current Rheumatology Reviews</i> , 2015, 10, 117-125.	0.4	25
99	Comparison of Test-retest Measurement Reliability of Iliopsoas Strength between Break and Make Test in Subjects with Lumbar Extension Syndrome. <i>Journal of Musculoskeletal Science and Technology</i> , 2019, 3, 54-58.	0.2	10
100	Test-retest strength reliability of the Electronic Push/Pull Dynamometer (EPPD) in the measurement of the quadriceps and hamstring muscles on a new chair. <i>Open Journal of Internal Medicine</i> , 2012, 02, 123-128.	0.1	7
101	Associations Between Relative Grip Strength and the Risk of 15 Cancer Sites. <i>American Journal of Preventive Medicine</i> , 2021, , .	1.6	4
102	Gait and muscle strength characteristics in total knee arthroplasty patients with patellofemoral pain syndrome before and six months after surgery. <i>Acta Kinesiologiae Universitatis Tartuensis</i> , 0, 17, 37.	0.5	0
103	Rehabilitation of Post-Operative Hip. , 2015, , 235-253.		0
104	Effects of Multipath Electrical Stimulation on the Functional Recovery of Early Stage Patients of Total Knee Arthroplasty. <i>Journal of the Korean Society of Physical Medicine</i> , 2018, 13, 107-119.	0.1	0
105	Comparisons of Test-Retest Reliability of Strength Measurement of Gluteus Medius Strength between Break and Make Test in Subjects with Pelvic Drop. <i>The Journal of Korean Physical Therapy</i> , 2019, 31, 147-150.	0.1	5
107	Effects of exercise training on bone mineral density and some health-related outcomes in HIV conditions. <i>Medicine (United States)</i> , 2020, 99, e23206.	0.4	1
108	Association of hand grip strength with cardiometabolic markers in type 2 diabetes mellitus. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	3
109	The Relationship between Modified Short Physical Performance Battery and Falls: A Cross-Sectional Study of Older Outpatients. <i>Geriatrics (Switzerland)</i> , 2021, 6, 106.	0.6	8

#	ARTICLE	IF	CITATIONS
110	Effect of Aging on Trunk Muscle Function and Its Influence on Falls Among Older Adults. <i>Journal of Aging and Physical Activity</i> , 2020, 28, 699-706.	0.5	1
111	A Biological Age Model Designed for Health Promotion Interventions: Protocol for an Interdisciplinary Study for Model Development. <i>JMIR Research Protocols</i> , 2020, 9, e19209.	0.5	6
112	Balance performance in patients with heart failure. <i>Heart and Lung: Journal of Acute and Critical Care</i> , 2020, 49, 458-462.	0.8	5
113	The effect of spinal manipulation on imbalances in leg strength. <i>Journal of the Canadian Chiropractic Association</i> , 2011, 55, 183-92.	0.2	9
114	Immediate effects of localized vibration on hamstring and quadricep muscle performance. <i>International Journal of Sports Physical Therapy</i> , 2012, 7, 381-7.	0.5	7
115	Effect of 6-Week Balance Exercise by Real-Time Postural Feedback System on Walking Ability for Patients with Chronic Stroke: A Pilot Single-Blind Randomized Controlled Trial. <i>Brain Sciences</i> , 2021, 11, 1493.	1.1	5
116	Muscle Function Tests as Supportive Outcome Measures for Performance-Based and Self-Reported Physical Function in Patients With Knee Osteoarthritis: Exploratory Analysis of Baseline Data From a Randomized Trial. <i>Journal of Strength and Conditioning Research</i> , 2022, 36, 2635-2642.	1.0	2
117	Relative Validity and Reliability of Isometric Lower Extremity Strength Assessment in Older Adults by Using a Handheld Dynamometer. <i>Sports Health</i> , 2022, 14, 899-905.	1.3	4
118	Residual and sound limb hip strength distinguish between sedentary and nonsedentary adults with transtibial amputation. <i>International Journal of Rehabilitation Research</i> , 2022, Publish Ahead of Print, .	0.7	2
119	Interrater and Intrarater Reliability of the EasyForce Dynamometer for Assessment of Maximal Shoulder, Knee and Hip Strength. <i>Diagnostics</i> , 2022, 12, 442.	1.3	4
120	Reliability of EasyForce Dynamometer for Assessment of Maximal Knee and Hip Strength, and Comparison to Rigid Isometric Dynamometers with External Fixation. <i>Measurement in Physical Education and Exercise Science</i> , 2022, 26, 232-244.	1.3	4
121	What is Known About Muscle Strength Reference Values for Adults Measured by Hand-Held Dynamometry: A Scoping Review. <i>Archives of Rehabilitation Research and Clinical Translation</i> , 2022, 4, 100172.	0.5	3
122	Functional Fitness and Cognition in Older Adults: A Mediation Model. <i>Physical and Occupational Therapy in Geriatrics</i> , 0, , 1-14.	0.2	0
123	Absolute and relative grip strength as predictors of cancer: prospective cohort study of 445,552 participants in UK Biobank. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2022, 13, 325-332.	2.9	26
124	The Validity and Reliability of Two Commercially Available Load Sensors for Clinical Strength Assessment. <i>Sensors</i> , 2021, 21, 8399.	2.1	1
128	Pain management and strength gains compared between pneumatic partial weight support treadmill and underwater treadmill in overweight patients with knee osteoarthritis: A randomized controlled trial. <i>Clinical Rehabilitation</i> , 2022, , 026921552210970.	1.0	0
129	Intra-day and inter-day reliabilities of the 0° and 45° adductor squeeze tests using hand-held dynamometry. <i>Sport Sciences for Health</i> , 0, , .	0.4	0
130	Rehabilitation of Post-Operative Hip. , 2022, , 321-338.		0

#	ARTICLE	IF	CITATIONS
132	Association between vertebral fragility fractures, muscle strength and physical performance: A cross-sectional study. <i>Annals of Physical and Rehabilitation Medicine</i> , 2023, 66, 101680.	1.1	1
133	Effects of Trigger Point Dry Needling on Strength Measurements and Activation Levels of the Gluteus Medius: A Quasi-Experimental Randomized Control Study. <i>International Journal of Sports Physical Therapy</i> , 2022, 17, .	0.5	4
135	Activity-related pain predicts pain and functional outcomes in people with knee osteoarthritis: A longitudinal study. <i>Frontiers in Pain Research</i> , 0, 3, .	0.9	4
137	Testâ€“Retest Reliability and Validity of 1-Minute Sit-to-Stand Test in Patients With Chronic Heart Failure. <i>Heart Lung and Circulation</i> , 2023, 32, 518-524.	0.2	2
138	Northern Ireland Cohort for the Longitudinal Study of Ageing (NICOLA): health assessment protocol, participant profile and patterns of participation. <i>BMC Public Health</i> , 2023, 23, .	1.2	2
139	Psychometric properties of a standardized protocol of muscle strength assessment by hand-held dynamometry in healthy adults: a reliability study. <i>BMC Musculoskeletal Disorders</i> , 2023, 24, .	0.8	3
140	Association Between Protocols of the Sit-to-Stand Test and Lower Limb Muscle Force Output in Patients on Hemodialysis and Subjects Without Chronic Kidney Disease. , 2023, , .		1
141	Assessment of exercise capacity using field walking tests in patients after the Fontan procedure: A caseâ€“control study. <i>Heart and Lung: Journal of Acute and Critical Care</i> , 2023, 60, 66-73.	0.8	2
142	Abductor muscle function after anterolateral approach in patients with unilateral end-stage hip osteoarthritis undergoing total hip arthroplasty: A prospective study. <i>Frontiers in Surgery</i> , 0, 10, .	0.6	0
143	Assessing muscle strength of persons with transfemoral amputation with and without a prosthesis: A cross-sectional study. <i>Prosthetics and Orthotics International</i> , 2023, Publish Ahead of Print, .	0.5	0
144	ASSESSMENT OF LOWER LIMB MUSCLE STRENGTH IN ATHLETES BY USING HAND-HELD DYNAMOMETER: A RELIABILITY STUDY. <i>Pakistan Journal of Rehabilitation</i> , 2023, 12, 122-128.	0.0	0