

John H Hollman, Pt

List of Publications by Year in descending order

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Version: 2024-02-01

122
papers

4,389
citations

117625
34
h-index

118850
62
g-index

122
all docs

122
docs citations

122
times ranked

5022
citing authors

#	ARTICLE	IF	CITATIONS
1	Normative spatiotemporal gait parameters in older adults. <i>Gait and Posture</i> , 2011, 34, 111-118.	1.4	552
2	Age-related differences in spatiotemporal markers of gait stability during dual task walking. <i>Gait and Posture</i> , 2007, 26, 113-119.	1.4	336
3	Intrarater and Interrater Reliability of the Balance Error Scoring System (BESS). <i>PM and R</i> , 2009, 1, 50-54.	1.6	214
4	Number of strides required for reliable measurements of pace, rhythm and variability parameters of gait during normal and dual task walking in older individuals. <i>Gait and Posture</i> , 2010, 32, 23-28.	1.4	167
5	Relationships between Knee Valgus, Hip-Muscle Strength, and Hip-Muscle Recruitment during a Single-Limb Step-Down. <i>Journal of Sport Rehabilitation</i> , 2009, 18, 104-117.	1.0	158
6	A comparison of variability in spatiotemporal gait parameters between treadmill and overground walking conditions. <i>Gait and Posture</i> , 2016, 43, 204-209.	1.4	158
7	Functional Impact of White Matter Hyperintensities in Cognitively Normal Elderly Subjects. <i>Archives of Neurology</i> , 2010, 67, 1379-85.	4.5	146
8	The Influence of Gender and Age on Hamstring Muscle Length in Healthy Adults. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , 2005, 35, 246-252.	3.5	106
9	Age-related differences in dual task walking: a cross sectional study. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2008, 5, 29.	4.6	100
10	Influence of Lever Arm and Stabilization on Measures of Hip Abduction and Adduction Torque Obtained by Hand-Held Dynamometry. <i>Archives of Physical Medicine and Rehabilitation</i> , 2007, 88, 37-42.	0.9	91
11	Comparison of Gait Parameters for Predicting Cognitive Decline: The Mayo Clinic Study of Aging. <i>Journal of Alzheimer's Disease</i> , 2016, 55, 559-567.	2.6	79
12	Minimum Detectable Change in Gait Velocity during Acute Rehabilitation following Hip Fracture. <i>Journal of Geriatric Physical Therapy</i> , 2008, 31, 53-56.	1.1	76
13	Measurement of Ankle Dorsiflexion: A Comparison of Active and Passive Techniques in Multiple Positions. <i>Journal of Sport Rehabilitation</i> , 2011, 20, 333-344.	1.0	76
14	Spatiotemporal gait deviations in a virtual reality environment. <i>Gait and Posture</i> , 2006, 23, 441-444.	1.4	74
15	Frontal and transverse plane hip kinematics and gluteus maximus recruitment correlate with frontal plane knee kinematics during single-leg squat tests in women. <i>Clinical Biomechanics</i> , 2014, 29, 468-474.	1.2	72
16	Does walking in a virtual environment induce unstable gait?. <i>Gait and Posture</i> , 2007, 26, 289-294.	1.4	62
17	Interprofessional education in gross anatomy: Experience with first-year medical and physical therapy students at Mayo Clinic. <i>Anatomical Sciences Education</i> , 2008, 1, 258-263.	3.7	60
18	Accuracy of Ultrasound-Guided and Palpation-Guided Knee Injections By an Experienced and Less-Experienced Injector Using a Superolateral Approach: A Cadaveric Study. <i>PM and R</i> , 2011, 3, 507-515.	1.6	60

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19	Electromyographic Analysis of the Gluteus Medius in Five Weight-Bearing Exercises. <i>Journal of Strength and Conditioning Research</i> , 2009, 23, 2689-2694.	2.1	58
20	Subtle gait changes in patients with REM sleep behavior disorder. <i>Movement Disorders</i> , 2013, 28, 1847-1853.	3.9	53
21	Effects of Examiner Strength on Reliability of Hip-Strength Testing Using a Handheld Dynamometer. <i>Journal of Sport Rehabilitation</i> , 2014, 23, 56-64.	1.0	53
22	Comparison of Muscle Activation Using Various Hand Positions During the Push-Up Exercise. <i>Journal of Strength and Conditioning Research</i> , 2005, 19, 628.	2.1	52
23	Changes in Active Ankle Dorsiflexion Range of Motion after Acute Inversion Ankle Sprain. <i>Journal of Sport Rehabilitation</i> , 2009, 18, 358-374.	1.0	50
24	Gender Differences in Dual Task Gait Performance in Older Adults. <i>American Journal of Men's Health</i> , 2011, 5, 11-17.	1.6	50
25	The effects of gender, age, and body mass index on standing lumbar curvature in persons without current low back pain. <i>Physiotherapy Theory and Practice</i> , 2006, 22, 229-237.	1.3	49
26	Surface Electromyographic Activation Patterns and Elbow Joint Motion During a Pull-Up, Chin-Up, or Perfect-Pullup, Rotational Exercise. <i>Journal of Strength and Conditioning Research</i> , 2010, 24, 3404-3414.	2.1	49
27	Agreement Between the GAITRite Walkway System and a Stopwatch Footfall Count Method for Measurement of Temporal and Spatial Gait Parameters. <i>Archives of Physical Medicine and Rehabilitation</i> , 2006, 87, 1648-1652.	0.9	48
28	Accuracy of Ultrasound-Guided versus Unguided Pes Anserinus Bursa Injections. <i>PM and R</i> , 2010, 2, 732-739.	1.6	48
29	Comparison of Muscle-Activation Patterns During the Conventional Push-Up and Perfect Pushup Exercises. <i>Journal of Strength and Conditioning Research</i> , 2010, 24, 3352-3362.	2.1	44
30	The Accuracy of Ultrasound-Guided and Palpation-Guided Peroneal Tendon Sheath Injections. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2011, 90, 564-571.	1.4	44
31	Lumbar Traction for Managing Low Back Pain: A Survey of Physical Therapists in the United States. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , 2015, 45, 586-595.	3.5	42
32	Abdominal Muscle Performance as Measured by the Double Leg-Lowering Test. <i>Archives of Physical Medicine and Rehabilitation</i> , 2005, 86, 1345-1348.	0.9	41
33	Cerebral Amyloid Deposition Is Associated with Gait Parameters in the Mayo Clinic Study of Aging. <i>Journal of the American Geriatrics Society</i> , 2017, 65, 792-799.	2.6	41
34	The Contribution of Golf to Daily Physical Activity Recommendations: How Many Steps Does It Take to Complete a Round of Golf?. <i>Mayo Clinic Proceedings</i> , 2006, 81, 1041-1043.	3.0	36
35	Variability of the Ischiofemoral Space Relative to Femur Position: An Ultrasound Study. <i>PM and R</i> , 2015, 7, 930-937.	1.6	34
36	The efficacy of two modified proprioceptive neuromuscular facilitation stretching techniques in subjects with reduced hamstring muscle length. <i>Physiotherapy Theory and Practice</i> , 2010, 26, 240-250.	1.3	32

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37	Relationship of Off-Ice and On-Ice Performance Measures in High School Male Hockey Players. Journal of Strength and Conditioning Research, 2012, 26, 1423-1430.	2.1	30
38	The association between peripheral total IGF-1, IGFBP-3, and IGF-1/IGFBP-3 and functional and cognitive outcomes in the Mayo Clinic Study of Aging. Neurobiology of Aging, 2018, 66, 68-74.	3.1	30
39	Longitudinal Association Between Brain Amyloid-Beta and Gait in the Mayo Clinic Study of Aging. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2018, 73, 1244-1250.	3.6	30
40	Usefulness of the Trendelenburg test for identification of patients with hip joint osteoarthritis. Physiotherapy Theory and Practice, 2010, 26, 184-194.	1.3	27
41	Surface Electromyographic Analysis of Core Trunk and Hip Muscles During Selected Rehabilitation Exercises in the Side-Bridge to Neutral Spine Position. Sports Health, 2014, 6, 416-421.	2.7	26
42	Perceived Usefulness of Reciprocal Peer Teaching Among Doctor of Physical Therapy Students in the Gross Anatomy Laboratory. Journal, Physical Therapy Education, 2007, 21, 30-38.	0.7	25
43	Determining Meaningful Changes in Pelvic-On-Femoral Position during the Trendelenburg Test. Journal of Sport Rehabilitation, 2007, 16, 326-335.	1.0	24
44	Responsiveness of 2 Procedures for Measurement of Temporal and Spatial Gait Parameters in Older Adults. PM and R, 2010, 2, 537-543.	1.6	24
45	Comparison of Diaphragm Thickness Measurements Among Postures Via Ultrasound Imaging. PM and R, 2017, 9, 21-25.	1.6	24
46	Reliability and accuracy of a goniometer mobile device application for video measurement of the functional movement screen deep squat test. International Journal of Sports Physical Therapy, 2015, 10, 37-44.	1.3	24
47	Use of individual feedback during human gross anatomy course for enhancing professional behaviors in doctor of physical therapy students. Anatomical Sciences Education, 2013, 6, 324-331.	3.7	23
48	Modulation of Frontal-Plane Knee Kinematics by Hip-Extensor Strength and Gluteus Maximus Recruitment During a Jump-Landing Task in Healthy Women. Journal of Sport Rehabilitation, 2013, 22, 184-190.	1.0	23
49	Magnitudes of muscle activation of spine stabilizers, gluteals, and hamstrings during supine bridge to neutral position. Physiotherapy Theory and Practice, 2015, 31, 418-427.	1.3	23
50	Accuracy of Palpation-Guided and Ultrasound-Guided Needle Tip Placement Into the Deep and Superficial Posterior Leg Compartments. American Journal of Sports Medicine, 2011, 39, 1968-1974.	4.2	21
51	Reliability of hip internal rotation range of motion measurement using a digital inclinometer. Knee Surgery, Sports Traumatology, Arthroscopy, 2015, 23, 2562-2567.	4.2	21
52	Knee Joint Movements in Subjects Without Knee Pathology and Subjects With Injured Anterior Cruciate Ligaments. Physical Therapy, 2002, 82, 960-972.	2.4	20
53	Age-Related Differences in Stride-to-Stride Variability During Dual Task Walking: A Pilot Study. Journal of Geriatric Physical Therapy, 2004, 27, 83-87.	1.1	20
54	Validity of Hamstring Muscle Length Assessment during the Sit-and-Reach Test Using an Inclinometer to Measure Hip Joint Angle. Journal of Strength and Conditioning Research, 2008, 22, 303-309.	2.1	20

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55	Complexity, fractal dynamics and determinism in treadmill ambulation: Implications for clinical biomechanists. <i>Clinical Biomechanics</i> , 2016, 37, 91-97.	1.2	20
56	Life Space Assessment in Spinal Cord Injury. <i>Topics in Spinal Cord Injury Rehabilitation</i> , 2016, 22, 173-182.	1.8	20
57	Gender Differences in Surface Rolling and Gliding Kinematics of the Knee. <i>Clinical Orthopaedics and Related Research</i> , 2003, 413, 208-221.	1.5	19
58	Effects of hip extensor fatigue on lower extremity kinematics during a jump-landing task in women: A controlled laboratory study. <i>Clinical Biomechanics</i> , 2012, 27, 903-909.	1.2	19
59	Magnitudes of muscle activation of spine stabilizers in healthy adults during prone on elbow planking exercises with and without a fitness ball. <i>Physiotherapy Theory and Practice</i> , 2018, 34, 212-222.	1.3	19
60	Plasma Sphingolipids are Associated With Gait Parameters in the Mayo Clinic Study of Aging. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2018, 73, 960-965.	3.6	19
61	Muscle Activation Levels of the Gluteus Maximus and Medius During Standing Hip-Joint-Strengthening Exercises Using Elastic-Tubing Resistance. <i>Journal of Sport Rehabilitation</i> , 2014, 23, 1-11.	1.0	18
62	Comparison of Muscle Activation Levels During Arm Abduction in the Plane of the Scapula vs. Proprioceptive Neuromuscular Facilitation Upper Extremity Patterns. <i>Journal of Strength and Conditioning Research</i> , 2012, 26, 1058-1065.	2.1	17
63	Can Ultrasound Accurately Assess Ischiofemoral Space Dimensions? A Validation Study. <i>PM and R</i> , 2017, 9, 392-397.	1.6	17
64	ELECTROMYOGRAPHY OF THE HIP AND THIGH MUSCLES DURING TWO VARIATIONS OF THE LUNGE EXERCISE: A CROSS-SECTIONAL STUDY. <i>International Journal of Sports Physical Therapy</i> , 2018, 13, 137-142.	1.3	17
65	Determining meaningful changes in hip abductor muscle strength obtained by handheld dynamometry. <i>Physiotherapy Theory and Practice</i> , 2008, 24, 215-220.	1.3	16
66	Variability of ischiofemoral space dimensions with changes in hip flexion: an MRI study. <i>Skeletal Radiology</i> , 2017, 46, 59-64.	2.0	16
67	A Comparison of Various Cervical Muscle Strength Testing Methods Using a Handheld Dynamometer. <i>Sports Health</i> , 2019, 11, 59-63.	2.7	16
68	Electromyographic analysis of trunk and hip muscles during resisted lateral band walking. <i>Physiotherapy Theory and Practice</i> , 2013, 29, 113-123.	1.3	15
69	Reliability of the dial test using a handheld inclinometer. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2013, 21, 1011-1016.	4.2	15
70	Electromyographic analysis of gluteus maximus and hamstring activity during the supine resisted hip extension exercise versus supine unilateral bridge to neutral. <i>Physiotherapy Theory and Practice</i> , 2017, 33, 124-130.	1.3	14
71	Hip and Pelvic Floor Muscle Strength in Women With and Without Stress Urinary Incontinence. <i>Journal of Women's Health Physical Therapy</i> , 2012, 36, 55-61.	0.8	13
72	Values for timed limb coordination tests in a sample of healthy older adults. <i>Age and Ageing</i> , 2012, 41, 803-807.	1.6	12

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73	Increased stride rate in runners following an independent retraining program: A randomized controlled trial. Scandinavian Journal of Medicine and Science in Sports, 2019, 29, 1789-1796.	2.9	12
74	Characterization of Postural Sway in Patients With Persistent Postural-Perceptual Dizziness (PPPD) Using Wearable Motion Sensors. Otology and Neurotology, 2022, 43, e243-e251.	1.3	11
75	ELECTROMYOGRAPHY OF THE HIP AND THIGH MUSCLES DURING TWO VARIATIONS OF THE LUNGE EXERCISE: A CROSS-SECTIONAL STUDY. International Journal of Sports Physical Therapy, 2018, 13, 137-142.	1.3	11
76	Interprofessional Education. Current Sports Medicine Reports, 2014, 13, 291-292.	1.2	10
77	Does the fast Fourier transformation window length affect the slope of an electromyogram's median frequency plot during a fatiguing isometric contraction?. Gait and Posture, 2013, 38, 161-164.	1.4	9
78	Cervical Traction for Managing Neck Pain: A Survey of Physical Therapists in the United States. Journal of Orthopaedic and Sports Physical Therapy, 2017, 47, 200-208.	3.5	9
79	Do Verbal and Tactile Cueing Selectively Alter Gluteus Maximus and Hamstring Recruitment During a Supine Bridging Exercise in Active Females? A Randomized Controlled Trial. Journal of Sport Rehabilitation, 2018, 27, 138-143.	1.0	9
80	Diminished neuromuscular system adaptability following anterior cruciate ligament injury: Examination of knee muscle force variability and complexity. Clinical Biomechanics, 2021, 90, 105513.	1.2	9
81	Retrospective analysis of the behavioral interview and other preadmission variables to predict licensure examination outcomes in physical therapy. Journal of Allied Health, 2008, 37, 97-104.	0.2	9
82	Passive hip rotation range of motion: effects of testing position and age in runners and non-runners. Physiotherapy Theory and Practice, 2003, 19, 77-86.	1.3	8
83	Treadmill walking alters stride time dynamics in Parkinson's disease. Gait and Posture, 2020, 77, 195-200.	1.4	8
84	Recruitment of Shoulder Prime Movers and Torso Stabilizers During Push-Up Exercises Using a Suspension Training System. Journal of Sport Rehabilitation, 2020, 29, 993-1000.	1.0	8
85	Hip-Abductor Muscle Performance in Participants after 45 Seconds of Resisted Sidestepping Using an Elastic Band. Journal of Sport Rehabilitation, 2006, 15, 1-11.	1.0	7
86	Activation of Spinal Stabilizers and Shoulder Complex Muscles During an Inverted Row Using a Portable Pull-up Device and Body Weight Resistance. Journal of Strength and Conditioning Research, 2016, 30, 1933-1941.	2.1	7
87	Ultrasound Evaluation of the Lower Trapezius in Adolescent Baseball Pitchers. PM and R, 2016, 8, 510-519.	1.6	7
88	Ultrasound Assessment of Weight-Bearing and Non-Weight-Bearing Meniscal Extrusion: A Reliability Study. PM and R, 2020, 12, 26-35.	1.6	7
89	Hip extensor fatigue alters hip and knee coupling dynamics during single-limb step-downs: A randomized controlled trial. Journal of Biomechanics, 2020, 100, 109583.	2.1	7
90	The Difference in Medial Meniscal Extrusion between Non-Weight-Bearing and Weight-Bearing Positions in People with and without Medial Compartment Knee Osteoarthritis. PM and R, 2021, 13, 470-478.	1.6	7

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91	Timed limb coordination performance is associated with walking speed in healthy older adults: A cross-sectional exploratory study. <i>Gait and Posture</i> , 2013, 38, 316-320.	1.4	6
92	Evaluating Physical Therapist Students'™ Clinical Performance in Acute Care: A Retrospective Analysis Comparing Student-Treated and Staff-Treated Patient Outcomes After Total Knee Arthroplasty. <i>Journal, Physical Therapy Education</i> , 2015, 29, 32-42.	0.7	6
93	The modified gait abnormality rating scale in patients with a conversion disorder: A reliability and responsiveness study. <i>Gait and Posture</i> , 2015, 41, 125-129.	1.4	6
94	Influence of Body Position on Shoulder and Trunk Muscle Activation During Resisted Isometric Shoulder External Rotation. <i>Sports Health</i> , 2018, 10, 355-360.	2.7	6
95	Ultrasound-Guided Cutting Wire Release of the Proximal Adductor Longus Tendon: A Feasibility Study. <i>Orthopaedic Journal of Sports Medicine</i> , 2019, 7, 232596711986601.	1.7	6
96	Accuracy of Medial Foot Compartment Pressure Testing: A Comparison of Two Techniques. <i>Foot and Ankle International</i> , 2010, 31, 1001-1005.	2.3	5
97	Learning of musculoskeletal ligament stress testing in a gross anatomy laboratory. <i>Anatomical Sciences Education</i> , 2011, 4, 357-361.	3.7	5
98	Coordination Tests in Persons With Acute Central Nervous System Pathology. <i>Journal of Neurologic Physical Therapy</i> , 2012, 36, 122-130.	1.4	5
99	Interpreting oblique impact data from an accelerometer-instrumented ice hockey helmet. <i>Proceedings of the Institution of Mechanical Engineers, Part P: Journal of Sports Engineering and Technology</i> , 2017, 231, 307-316.	0.7	5
100	Comparing adaptive fractal and detrended fluctuation analyses of stride time variability: Tests of equivalence. <i>Gait and Posture</i> , 2022, 94, 9-14.	1.4	4
101	Videographic Determination of Instantaneous Center of Rotation Using a Hinge Joint Model. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , 1999, 29, 463-469.	3.5	3
102	Magnitudes of gluteus medius muscle activation during standing hip joint movements in spiral-diagonal patterns using elastic tubing resistance. <i>Physiotherapy Theory and Practice</i> , 2015, 31, 410-417.	1.3	3
103	Scapular muscle balance and spinal stabilizer recruitment during an inverted row. <i>Physiotherapy Theory and Practice</i> , 2020, 36, 432-443.	1.3	3
104	Qualitative and quantitative evaluation of an interprofessional workshop between physical therapy and medical students. <i>Journal of Interprofessional Care</i> , 2021, 35, 145-148.	1.7	3
105	Title is missing!. <i>Spine</i> , 2003, 28, E136-E139.	2.0	2
106	Tibiofemoral Joint-Surface Motions in Weight-Bearing and Non-Weight-Bearing Movement. <i>Journal of Sport Rehabilitation</i> , 2003, 12, 143-161.	1.0	2
107	Identifying Fall Risk of Patients Receiving Hematopoietic Cell Transplant. <i>Rehabilitation Oncology</i> , 2018, 36, 167-171.	0.5	2
108	Ultrasound-Guided Cutting Wire Release of the Posterior Iliotibial Band: A Feasibility Study. <i>PM and R</i> , 2020, 12, 1113-1119.	1.6	2

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109	Validity Indices of the King-Devick Concussion Test in Hockey Players. Clinical Journal of Sport Medicine, 2021, Publish Ahead of Print, .	1.8	2
110	Student Physical Therapists Achieve Similar Patient Outcomes as Licensed Physical Therapists. Journal, Physical Therapy Education, 2017, 31, 35-39.	0.7	2
111	Impact of foot progression angle modification on plantar loading in individuals with diabetes mellitus and peripheral neuropathy. , 2016, 2, 15-23.		2
112	ELECTROMYOGRAPHIC ANALYSIS OF HIP MUSCLE ACTIVATION DURING A SINGLE LIMB SQUAT LATERAL SLIDE EXERCISE. International Journal of Sports Physical Therapy, 2020, 15, 755-762.	1.3	2
113	Does Upper Limb Coordination Predict Walking Speed in Older Adults? A Cross-Sectional Study. Journal of Geriatric Physical Therapy, 2014, 37, 106-115.	1.1	1
114	Influence of Neck Laceration Protectors on Cervical Range of Motion. Clinical Journal of Sport Medicine, 2017, 27, 111-118.	1.8	1
115	Can a Brief Training Session Prepare Physician Sonographers of Differing Experience to Measure the Ischiofemoral Space? A Reliability Study. PM and R, 2019, 11, 142-149.	1.6	1
116	Recruitment of Shoulder Complex and Torso Stabilizer Muscles With Rowing Exercises Using a Suspension Strap Training System. Sports Health, 2021, 13, 85-90.	2.7	1
117	Anatomical Sciences Education Vol. 4, Issue 6, 2011 Cover Image. Anatomical Sciences Education, 2011, 4, n/a-n/a.	3.7	0
118	Cervical Traction for Managing Neck Pain: A Survey of Physical Therapists in the United States. Journal of Orthopaedic and Sports Physical Therapy, 2016, , 1-39.	3.5	0
119	Physical Performance Following Hematopoietic Stem Cell Transplantation: A Prospective Observational Study. Rehabilitation Oncology, 2020, 38, 122-126.	0.5	0
120	Responsiveness of a Balance Assessment Using a Mobile Application. Sports Health, 2020, 12, 401-404.	2.7	0
121	Gait synchronized neuromuscular electrical stimulation to the gluteus medius on a patient with right hemiparesis: a case report. Physiotherapy Theory and Practice, 2022, 38, 3180-3186.	1.3	0
122	ELECTROMYOGRAPHIC ANALYSIS OF HIP MUSCLE ACTIVATION DURING A SINGLE LIMB SQUAT LATERAL SLIDE EXERCISE. International Journal of Sports Physical Therapy, 2020, 15, 755-762.	1.3	0