## Tim V Wrigley

## List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/8723406/publications.pdf

Version: 2024-02-01

117 papers	5,288 citations	39 h-index	95083 68 g-index
120	120	120	4408
all docs	docs citations	times ranked	citing authors

#	Article	IF	CITATIONS
1	Does knee malalignment mediate the effects of quadriceps strengthening on knee adduction moment, pain, and function in medial knee osteoarthritis? A randomized controlled trial. Arthritis and Rheumatism, 2008, 59, 943-951.	6.7	197
2	Intrarater Test-Retest Reliability of Hip Range of Motion and Hip Muscle Strength Measurements in Persons With Hip Osteoarthritis. Archives of Physical Medicine and Rehabilitation, 2008, 89, 1146-1154.	0.5	175
3	Biomechanical response to hamstring muscle strain injury. Gait and Posture, 2009, 29, 332-338.	0.6	172
4	Gait modification strategies for altering medial knee joint load: A systematic review. Arthritis Care and Research, 2011, 63, 405-426.	1.5	172
5	Thoracic Kyphosis Affects Spinal Loads and Trunk Muscle Force. Physical Therapy, 2007, 87, 595-607.	1.1	164
6	Hip muscle weakness in individuals with medial knee osteoarthritis. Arthritis Care and Research, 2010, 62, 1190-1193.	1.5	164
7	Update on the Role of Muscle in the Genesis and Management of Knee Osteoarthritis. Rheumatic Disease Clinics of North America, 2013, 39, 145-176.	0.8	164
8	Lateral wedge insoles for medial knee osteoarthritis: Effects on lower limb frontal plane biomechanics. Clinical Biomechanics, 2012, 27, 27-33.	0.5	147
9	Effect of Physical Therapy on Pain and Function in Patients With Hip Osteoarthritis. JAMA - Journal of the American Medical Association, 2014, 311, 1987.	3.8	146
10	Neuromuscular Versus Quadriceps Strengthening Exercise in Patients With Medial Knee Osteoarthritis and Varus Malalignment: A Randomized Controlled Trial. Arthritis and Rheumatology, 2014, 66, 950-959.	2.9	138
11	A comparison of overground and treadmill running for measuring the three-dimensional kinematics of the lumbo–pelvic–hip complex. Clinical Biomechanics, 2001, 16, 667-680.	0.5	137
12	Lateral wedges in knee osteoarthritis: What are their immediate clinical and biomechanical effects and can these predict a threeâ€month clinical outcome?. Arthritis and Rheumatism, 2008, 59, 408-415.	6.7	136
13	Role of Muscle in the Genesis and Management of Knee Osteoarthritis. Rheumatic Disease Clinics of North America, 2008, 34, 731-754.	0.8	132
14	Feasibility of a gait retraining strategy for reducing knee joint loading: Increased trunk lean guided by real-time biofeedback. Journal of Biomechanics, 2011, 44, 943-947.	0.9	126
15	Physical impairments and activity limitations in people with femoroacetabular impingement: a systematic review. British Journal of Sports Medicine, 2015, 49, 230-242.	3.1	113
16	Tibiofemoral contact forces during walking, running and sidestepping. Gait and Posture, 2016, 49, 78-85.	0.6	111
17	Increased duration of co-contraction of medial knee muscles is associated with greater progression of knee osteoarthritis. Manual Therapy, 2016, 21, 151-158.	1.6	104
18	The Lower Extremity Functional Scale could be an alternative to the Western Ontario and McMaster Universities Osteoarthritis Index physical function scale. Journal of Clinical Epidemiology, 2009, 62, 1103-1111.	2.4	103

#	Article	IF	Citations
19	Trunk lean gait modification and knee joint load in people with medial knee osteoarthritis: The effect of varying trunk lean angles. Arthritis Care and Research, 2012, 64, 1545-1553.	1.5	98
20	Resistance exercise training increases muscle strength, endurance, and blood flow in patients with chronic heart failure. American Journal of Cardiology, 1999, 83, 1674-1677.	0.7	96
21	The coordinated movement of the lumbo–pelvic–hip complex during running: a literature review. Gait and Posture, 1999, 10, 30-47.	0.6	92
22	Reducing joint loading in medial knee osteoarthritis: Shoes and canes. Arthritis and Rheumatism, 2008, 59, 609-614.	6.7	86
23	The effect of osteoporotic vertebral fracture on predicted spinal loads in vivo. European Spine Journal, 2006, 15, 1785-1795.	1.0	84
24	Bone marrow lesions are related to dynamic knee loading in medial knee osteoarthritis. Annals of the Rheumatic Diseases, 2010, 69, 1151-1154.	0.5	82
25	Body sway, aim point fluctuation and performance in rifle shooters: inter- and intra-individual analysis. Journal of Sports Sciences, 2003, 21, 559-566.	1.0	75
26	Isometric and isokinetic hip strength and agonist/antagonist ratios in symptomatic femoroacetabular impingement. Journal of Science and Medicine in Sport, 2016, 19, 696-701.	0.6	70
27	Hip joint biomechanics during gait in people with and without symptomatic femoroacetabular impingement. Gait and Posture, 2016, 43, 198-203.	0.6	65
28	Tibiofemoral Contact Forces in the Anterior Cruciate Ligament–Reconstructed Knee. Medicine and Science in Sports and Exercise, 2016, 48, 2195-2206.	0.2	61
29	Individuals with severe knee osteoarthritis (OA) exhibit altered proximal walking mechanics compared with individuals with less severe OA and those without knee pain. Arthritis Care and Research, 2010, 62, 1426-1432.	1.5	59
30	Self-reported Home Exercise Adherence: A Validity and Reliability Study Using Concealed Accelerometers. Journal of Orthopaedic and Sports Physical Therapy, 2018, 48, 943-950.	1.7	54
31	The effects of hip muscle strengthening on knee load, pain, and function in people with knee osteoarthritis: a protocol for a randomised, single-blind controlled trial. BMC Musculoskeletal Disorders, 2007, 8, 121.	0.8	53
32	Organisation of the motor cortex differs between people with and without knee osteoarthritis. Arthritis Research and Therapy, 2015, 17, 164.	1.6	53
33	Stretch and activation of the human biarticular hamstrings across a range of running speeds. European Journal of Applied Physiology, 2013, 113, 2813-2828.	1.2	52
34	Comparison of neuromuscular and quadriceps strengthening exercise in the treatment of varus malaligned knees with medial knee osteoarthritis: a randomised controlled trial protocol. BMC Musculoskeletal Disorders, 2011, 12, 276.	0.8	47
35	Exercise and Osteoarthritis: Cause and Effects. , 2011, 1, 1943-2008.		43
36	Intra-subject repeatability of the three dimensional angular kinematics within the lumbo–pelvic–hip complex during running. Gait and Posture, 2002, 15, 136-145.	0.6	42

#	Article	IF	CITATIONS
37	Tibial subchondral trabecular volumetric bone density in medial knee joint osteoarthritis using peripheral quantitative computed tomography technology. Arthritis and Rheumatism, 2008, 58, 2776-2785.	6.7	42
38	Hip Abductor Muscle Weakness in Individuals with Gluteal Tendinopathy. Medicine and Science in Sports and Exercise, 2016, 48, 346-352.	0.2	42
39	Quadriceps strength is not related to gait impact loading in knee osteoarthritis. Knee, 2010, 17, 296-302.	0.8	41
40	Association of Knee Confidence With Pain, Knee Instability, Muscle Strength, and Dynamic Varus–Valgus Joint Motion in Knee Osteoarthritis. Arthritis Care and Research, 2014, 66, 695-701.	1.5	41
41	Kinematics and kinetics during walking in individuals with gluteal tendinopathy. Clinical Biomechanics, 2016, 32, 56-63.	0.5	38
42	Effects of a modified shoe on knee load in people with and those without knee osteoarthritis. Arthritis and Rheumatism, 2013, 65, 701-709.	6.7	36
43	A Longitudinal Study of Strength and Gait after Arthroscopic Partial Meniscectomy. Medicine and Science in Sports and Exercise, 2013, 45, 2036-2043.	0.2	36
44	Varus malalignment and its association with impairments and functional limitations in medial knee osteoarthritis. Arthritis and Rheumatism, 2008, 59, 935-942.	6.7	35
45	Influence of Biomechanical Characteristics on Pain and Function Outcomes From Exercise in Medial Knee Osteoarthritis and Varus Malalignment: Exploratory Analyses From a Randomized Controlled Trial. Arthritis Care and Research, 2015, 67, 1281-1288.	1.5	35
46	Squatting Biomechanics in Individuals with Symptomatic Femoroacetabular Impingement. Medicine and Science in Sports and Exercise, 2017, 49, 1520-1529.	0.2	35
47	Neuromotor Control of the Lower Limb in Achilles Tendinopathy. Sports Medicine, 2010, 40, 715-727.	3.1	34
48	Do Moments and Strength Predict Cartilage Changes after Partial Meniscectomy?. Medicine and Science in Sports and Exercise, 2015, 47, 1549-1556.	0.2	34
49	The association of quadriceps strength with the knee adduction moment in medial knee osteoarthritis. Arthritis and Rheumatism, 2009, 61, 451-458.	6.7	33
50	Muscle and Exercise in the Prevention and Management of Knee Osteoarthritis: an Internal Medicine Specialist's Guide. Medical Clinics of North America, 2009, 93, 161-177.	1.1	33
51	Single leg stance control in individuals with symptomatic gluteal tendinopathy. Gait and Posture, 2016, 49, 108-113.	0.6	33
52	Coordination of deep hip muscle activity is altered in symptomatic femoroacetabular impingement. Journal of Orthopaedic Research, 2017, 35, 1494-1504.	1.2	33
53	Unloading Shoes for Self-management of Knee Osteoarthritis. Annals of Internal Medicine, 2016, 165, 381.	2.0	32
54	Association of physical performance with muscle strength and hip range of motion in hip osteoarthritis. Arthritis and Rheumatism, 2009, 61, 442-450.	6.7	30

#	Article	IF	CITATIONS
55	Impact of Concurrent Foot Pain on Health and Functional Status in People with Knee Osteoarthritis: Data From the Osteoarthritis Initiative. Arthritis Care and Research, 2015, 67, 989-995.	1.5	30
56	Hip flexion range of motion and physical function in hip osteoarthritis: Mediating effects of hip extensor strength and pain. Arthritis and Rheumatism, 2009, 61, 633-640.	6.7	29
57	Modified walking shoes for knee osteoarthritis: Mechanisms for reductions in the knee adduction moment. Journal of Biomechanics, 2013, 46, 2060-2066.	0.9	26
58	Trunk, pelvis and hip biomechanics in individuals with femoroacetabular impingement syndrome: Strategies for step ascent. Gait and Posture, 2018, 61, 176-182.	0.6	24
59	Protocol for a multi-centre randomised controlled trial comparing arthroscopic hip surgery to physiotherapy-led care for femoroacetabular impingement (FAI): the Australian FASHIoN trial. BMC Musculoskeletal Disorders, 2017, 18, 406.	0.8	23
60	Trunk, pelvis and lower limb walking biomechanics are similarly altered in those with femoroacetabular impingement syndrome regardless of cam morphology size. Gait and Posture, 2021, 83, 26-34.	0.6	23
61	Efficacy of a multimodal physiotherapy treatment program for hip osteoarthritis: a randomised placebo-controlled trial protocol. BMC Musculoskeletal Disorders, 2010, 11, 238.	0.8	22
62	Varus–valgus laxity and passive stiffness in medial knee osteoarthritis. Arthritis Care and Research, 2010, 62, 1237-1243.	1.5	22
63	Sagittal plane bending moments acting on the lower leg during running. Gait and Posture, 2010, 31, 218-222.	0.6	22
64	The relationship between patellofemoral and tibiofemoral morphology and gait biomechanics following arthroscopic partial medial meniscectomy. Knee Surgery, Sports Traumatology, Arthroscopy, 2013, 21, 1097-1103.	2.3	22
65	Novel Assessment of Subregional Bone Mineral Density Using DXA and pQCT and Subregional Microarchitecture Using Micro-CT in Whole Human Vertebrae: Applications, Methods, and Correspondence Between Technologies. Journal of Clinical Densitometry, 2010, 13, 161-174.	0.5	21
66	Relationship between hip abductor strength and external hip and knee adduction moments in medial knee osteoarthritis. Clinical Biomechanics, 2015, 30, 226-230.	0.5	21
67	Selfâ€report and physical performance measures of physical function in hip osteoarthritis: Relationship to isometric quadriceps torque development. Arthritis and Rheumatism, 2009, 61, 201-208.	6.7	20
68	Unloading shoes for osteoarthritis of the knee: protocol for the SHARK randomised controlled trial. BMC Musculoskeletal Disorders, 2014, 15, 48.	0.8	20
69	Cartilage morphology at 2–3Âyears following anterior cruciate ligament reconstruction with or without concomitant meniscal pathology. Knee Surgery, Sports Traumatology, Arthroscopy, 2017, 25, 426-436.	2.3	20
70	Self-reported knee joint instability is related to passive mechanical stiffness in medial knee osteoarthritis. BMC Musculoskeletal Disorders, 2013, 14, 326.	0.8	19
71	Does meniscal pathology alter gait knee biomechanics and strength post-ACL reconstruction?. Knee Surgery, Sports Traumatology, Arthroscopy, 2016, 24, 1501-1509.	2.3	18
72	Is the relationship between increased knee muscle strength and improved physical function following exercise dependent on baseline physical function status?. Arthritis Research and Therapy, 2017, 19, 271.	1.6	18

#	Article	IF	Citations
73	Are Anthropometric and Kinematic Parameters of the Lumbo-Pelvic-Hip Complex Related to Running Injuries?. Research in Sports Medicine, 2005, 13, 127-147.	0.7	17
74	Discriminant Validity of the Western Ontario and McMaster Universities Osteoarthritis Index Physical Functioning Subscale in Community Samples With Hip Osteoarthritis. Archives of Physical Medicine and Rehabilitation, 2009, 90, 1772-1777.	0.5	17
75	Cross-sectional association between muscle strength and self-reported physical function in 195 hip osteoarthritis patients. Seminars in Arthritis and Rheumatism, 2017, 46, 387-394.	1.6	17
76	Comparison of weight bearing functional exercise and non-weight bearing quadriceps strengthening exercise on pain and function for people with knee osteoarthritis and obesity: protocol for the TARGET randomised controlled trial. BMC Musculoskeletal Disorders, 2019, 20, 291.	0.8	17
77	Greater magnitude tibiofemoral contact forces are associated with reduced prevalence of osteochondral pathologies 2–3Âyears following anterior cruciate ligament reconstruction. Knee Surgery, Sports Traumatology, Arthroscopy, 2019, 27, 707-715.	2.3	16
78	Kinematics and kinetics during stair ascent in individuals with Gluteal Tendinopathy. Clinical Biomechanics, 2016, 40, 37-44.	0.5	15
79	Impact loading following quadriceps strength training in individuals with medial knee osteoarthritis and varus alignment. Clinical Biomechanics, 2017, 42, 20-24.	0.5	15
80	Hip biomechanics during stair ascent and descent in people with and without hip osteoarthritis. Journal of Orthopaedic Research, 2017, 35, 1505-1514.	1.2	15
81	Effects of Covertly Measured Home Exercise Adherence on Patient Outcomes Among Older Adults With Chronic Knee Pain. Journal of Orthopaedic and Sports Physical Therapy, 2019, 49, 548-556.	1.7	15
82	A survey of footwear advice, beliefs and wear habits in people with knee osteoarthritis. Journal of Foot and Ankle Research, 2014, 7, 43.	0.7	14
83	Neuromuscular Exercise post Partial Medial Meniscectomy. Medicine and Science in Sports and Exercise, 2015, 47, 1557-1566.	0.2	14
84	Measurement of subregional vertebral bone mineral density in vitro using lateral projection dual-energy X-ray absorptiometry: validation with peripheral quantitative computed tomography. Journal of Bone and Mineral Metabolism, 2012, 30, 222-231.	1.3	13
85	Tibiofemoral joint structural change from 2.5 to 4.5 years following ACL reconstruction with and without combined meniscal pathology. BMC Musculoskeletal Disorders, 2019, 20, 312.	0.8	13
86	Proprioceptive impairments associated with knee osteoarthritis are not generalized to the ankle and elbow joints. Human Movement Science, 2015, 41, 103-113.	0.6	12
87	Gluteal tendinopathy and hip osteoarthritis: Different pathologies, different hip biomechanics. Gait and Posture, 2018, 61, 459-465.	0.6	12
88	Effects of a hip brace on biomechanics and pain in people with femoroacetabular impingement. Journal of Science and Medicine in Sport, 2018, 21, 111-116.	0.6	12
89	Sex-specific walking kinematics and kinetics in individuals with unilateral, symptomatic hip osteoarthritis: A cross sectional study. Gait and Posture, 2018, 65, 234-239.	0.6	12
90	Deep hip muscle activation during squatting in femoroacetabular impingement syndrome. Clinical Biomechanics, 2019, 69, 141-147.	0.5	12

#	Article	IF	CITATIONS
91	The Effect of Flat Flexible Versus Stable Supportive Shoes on Knee Osteoarthritis Symptoms. Annals of Internal Medicine, 2021, 174, 462-471.	2.0	12
92	The effects of neuromuscular exercise on medial knee joint load post-arthroscopic partial medial meniscectomy: â€~SCOPEX' a randomised control trial protocol. BMC Musculoskeletal Disorders, 2012, 13, 233.	0.8	11
93	Mechanisms underpinning longitudinal increases in the knee adduction moment following arthroscopic partial meniscectomy. Clinical Biomechanics, 2014, 29, 892-897.	0.5	11
94	A longitudinal study of impact and early stance loads during gait following arthroscopic partial meniscectomy. Journal of Biomechanics, 2014, 47, 2852-2857.	0.9	11
95	Cartilage quantitative T2 relaxation time 2–4 years following isolated anterior cruciate ligament reconstruction. Journal of Orthopaedic Research, 2018, 36, 2022-2029.	1.2	11
96	The effect of differing Cardan angle sequences on three dimensional lumbo-pelvic angular kinematics during running. Medical Engineering and Physics, 2001, 23, 495-503.	0.8	9
97	Postural response to vibration of triceps surae, but not quadriceps muscles, differs between people with and without knee osteoarthritis. Journal of Orthopaedic Research, 2014, 32, 989-996.	1.2	9
98	Mechanisms underpinning the peak knee flexion moment increase over 2-years following arthroscopic partial meniscectomy. Clinical Biomechanics, 2015, 30, 1060-1065.	0.5	9
99	Plugâ€inâ€Gait calculation of the knee adduction moment in people with knee osteoarthritis during shod walking: comparison of two different foot marker models. Journal of Foot and Ankle Research, 2017, 10, 8.	0.7	9
100	Immediate effect of valgus bracing on knee joint moments in meniscectomised patients: An exploratory study. Journal of Science and Medicine in Sport, 2016, 19, 964-969.	0.6	8
101	Frontal plane hip joint loading according to pain severity in people with hip osteoarthritis. Journal of Orthopaedic Research, 2018, 36, 1637-1644.	1.2	8
102	Knee joint laxity and passive stiffness in meniscectomized patients compared with healthy controls. Knee, 2014, 21, 886-890.	0.8	6
103	Effect of knee unloading shoes on regional plantar forces in people with symptomatic knee osteoarthritis – an exploratory study. Journal of Foot and Ankle Research, 2018, 11, 34.	0.7	6
104	Hip joint kinematics and segment coordination variability according to pain and structural disease severity in hip osteoarthritis. Journal of Orthopaedic Research, 2020, 38, 1836-1844.	1.2	6
105	MEASUREMENT OF KNEE VARUS-VALGUS LAXITY USING A MODIFIED ISOKINETIC DYNAMOMETER. Journal of Biomechanics, 2007, 40, S593.	0.9	5
106	Knee Muscle Strength After Recent Partial Meniscectomy Does Not Relate to 2-year Change in Knee Adduction Moment. Clinical Orthopaedics and Related Research, 2014, 472, 3114-3120.	0.7	5
107	Knee Biomechanics During Jogging After Arthroscopic Partial Meniscectomy: A Longitudinal Study. American Journal of Sports Medicine, 2017, 45, 1872-1880.	1.9	5
108	Footwear for self-managing knee osteoarthritis symptoms: protocol for the Footstep randomised controlled trial. BMC Musculoskeletal Disorders, 2018, 19, 219.	0.8	5

#	Article	IF	CITATIONS
109	Real-time movement biofeedback for walking gait modification in knee osteoarthritis. , 2009, , .		4
110	Effect of Rocker-Soled Shoes on Parameters of Knee Joint Load in Knee Osteoarthritis. Medicine and Science in Sports and Exercise, 2015, 47, 128-135.	0.2	4
111	How do rocker-soled shoes influence the knee adduction moment in people with knee osteoarthritis? An analysis of biomechanical mechanisms. Journal of Biomechanics, 2017, 57, 62-68.	0.9	4
112	Impact of Cane Use on Bone Marrow Lesion Volume in People With Medial Knee Osteoarthritis (CUBA) Tj ETQqC	001.fgBT	/Overlock 10
113	Body weight support through a walking cane in inexperienced users with knee osteoarthritis. Gait and Posture, 2019, 67, 50-56.	0.6	4
114	Does frontal knee kinematics predict treatment outcomes? Exploratory analyses from the Intensive Diet and Exercise for Arthritis (IDEA) trial. Gait and Posture, 2018, 63, 139-144.	0.6	3
115	Ultrasound monitoring of inter-knee distances during gait. , 2009, 2009, 725-8.		2
116	Footwear for osteoarthritis of the lateral knee: protocol for the FOLK randomised controlled trial. BMC Musculoskeletal Disorders, 2020, 21, 247.	0.8	1
117	Patellar cartilage increase following ACL reconstruction with and without meniscal pathology: a two-year prospective MRI morphological study. BMC Musculoskeletal Disorders, 2021, 22, 909.	0.8	O