

# Tine Alkjær

## List of Publications by Year in descending order

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Version: 2024-02-01

83  
papers

2,030  
citations

218381

26  
h-index

264894

42  
g-index

83  
all docs

83  
docs citations

83  
times ranked

2269  
citing authors

#	ARTICLE	IF	CITATIONS
1	Functional muscle synergies to support the knee against moment specific loads while weight bearing. <i>Journal of Electromyography and Kinesiology</i> , 2021, 56, 102506.	0.7	5
2	The influence of an orthopaedic walker boot on forefoot force. <i>Foot</i> , 2021, 46, 101739.	0.4	1
3	Influence of Wearing Ballistic Vests on Physical Performance of Danish Police Officers: A Cross-Over Study. <i>Sensors</i> , 2021, 21, 1795.	2.1	1
4	Reference data for hop tests used in pediatric ACL injury rehabilitation: A cross-sectional study of healthy children. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2021, 31, 1832-1839.	1.3	6
5	Dynamics of Postural Control in Elite Sport Rifle Shooters. <i>Journal of Motor Behavior</i> , 2021, 53, 20-29.	0.5	4
6	Predicting postoperative functional ability from preoperative measures in ACL-injured individuals. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2020, 30, 166-173.	1.3	4
7	Occupational lifting predicts hospital admission due to low back pain in a cohort of airport baggage handlers. <i>International Archives of Occupational and Environmental Health</i> , 2020, 93, 111-122.	1.1	7
8	Relationship of Knee Forces to Subjective Function Pre- and Post-ACL Reconstruction. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 1338-1346.	0.2	2
9	Effect of footwear on intramuscular EMG activity of plantar flexor muscles in walking. <i>Journal of Electromyography and Kinesiology</i> , 2020, 55, 102474.	0.7	9
10	Forward lunge before and after anterior cruciate ligament reconstruction: Faster movement but unchanged knee joint biomechanics. <i>PLoS ONE</i> , 2020, 15, e0228071.	1.1	5
11	Wearable electromyography recordings during daily life activities in children with cerebral palsy. <i>Developmental Medicine and Child Neurology</i> , 2020, 62, 714-722.	1.1	16
12	Outcome Measures After ACL Injury in Pediatric Patients: A Scoping Review. <i>Orthopaedic Journal of Sports Medicine</i> , 2019, 7, 232596711986180.	0.8	22
13	Knee osteoarthritis among airport baggage handlers: A prospective cohort study. <i>American Journal of Industrial Medicine</i> , 2019, 62, 951-960.	1.0	6
14	Experimental muscle pain of the vastus medialis reduces knee joint extensor torque and alters quadriceps muscle contributions as revealed through musculoskeletal modeling. <i>Clinical Biomechanics</i> , 2019, 67, 27-33.	0.5	1
15	Assessment of objective dynamic knee joint control in anterior cruciate ligament deficient and reconstructed individuals. <i>Knee</i> , 2019, 26, 578-585.	0.8	3
16	Effect of implementing magnetic resonance imaging for patient-specific OpenSim models on lower-body kinematics and knee ligament lengths. <i>Journal of Biomechanics</i> , 2019, 83, 9-15.	0.9	21
17	Opioid-Induced Reductions in Gait Variability in Healthy Volunteers and Individuals with Knee Osteoarthritis. <i>Pain Medicine</i> , 2019, 20, 2106-2114.	0.9	3
18	Anterior cruciate ligament reconstruction improves subjective ability but not neuromuscular biomechanics during dynamic tasks. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2019, 27, 636-645.	2.3	8

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19	Differences in EMG moment relationships between ACL-injured and uninjured adults during a weight-bearing multidirectional force control task. <i>Journal of Orthopaedic Research</i> , 2019, 37, 113-123.	1.2	15
20	Assessment of intersegmental coordination of rats during walking at different speeds – Application of continuous relative phase. <i>Journal of Biomechanics</i> , 2018, 73, 168-176.	0.9	6
21	Loading intensity of jumping exercises in post-menopausal women: Implications for osteogenic training. <i>Translational Sports Medicine</i> , 2018, 1, 30-36.	0.5	1
22	Day-to-day reliability of gait characteristics in rats. <i>Journal of Biomechanics</i> , 2018, 72, 247-251.	0.9	3
23	Risk of subacromial shoulder disorder in airport baggage handlers: combining duration and intensity of musculoskeletal shoulder loads. <i>Ergonomics</i> , 2018, 61, 576-587.	1.1	6
24	A hierarchy in functional muscle roles at the knee is influenced by sex and anterior cruciate ligament deficiency. <i>Clinical Biomechanics</i> , 2018, 57, 129-136.	0.5	11
25	Intra-subject variability in muscle activity and co-contraction during jumps and landings in children and adults. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2017, 27, 820-831.	1.3	4
26	Copenhagen Airport Cohort: air pollution, manual baggage handling and health. <i>BMJ Open</i> , 2017, 7, e012651.	0.8	12
27	Predicting the Functional Roles of Knee Joint Muscles from Internal Joint Moments. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 527-537.	0.2	27
28	A Cohort Study on Meniscal Lesions among Airport Baggage Handlers. <i>PLoS ONE</i> , 2016, 11, e0157336.	1.1	7
29	Subacromial shoulder disorders among baggage handlers: an observational cohort study. <i>International Archives of Occupational and Environmental Health</i> , 2016, 89, 867-876.	1.1	11
30	Joint dynamics and intra-subject variability during countermovement jumps in children and adults. <i>Journal of Biomechanics</i> , 2016, 49, 2968-2974.	0.9	8
31	P200...Knee osteoarthritis among baggage handlers: an observational cohort study. , 2016, , .		0
32	Tissue Perfusion Alters Mechanical Properties Of Human Tendons. A Human Cadaver Study. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 183.	0.2	0
33	Reliable Gait Recognition Using 3D Reconstructions and Random Forests – An Anthropometric Approach. <i>Journal of Forensic Sciences</i> , 2016, 61, 637-648.	0.9	5
34	Intra- and inter-subject variation in lower limb coordination during countermovement jumps in children and adults. <i>Human Movement Science</i> , 2016, 46, 63-77.	0.6	11
35	New equations to calculate 3D joint centres in the lower extremities. <i>Medical Engineering and Physics</i> , 2015, 37, 948-955.	0.8	7
36	Changes in soleus H-reflex during walking in middle-aged, healthy subjects. <i>Muscle and Nerve</i> , 2015, 51, 419-425.	1.0	10

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37	Gait variability and motor control in people with knee osteoarthritis. <i>Gait and Posture</i> , 2015, 42, 479-484.	0.6	33
38	Influence of Velocity on Variability in Gait Kinematics: Implications for Recognition in Forensic Science. <i>Journal of Forensic Sciences</i> , 2014, 59, 1242-1247.	0.9	7
39	Height estimations based on eye measurements throughout a gait cycle. <i>Forensic Science International</i> , 2014, 236, 170-174.	1.3	8
40	Variability and Similarity of Gait as Evaluated by Joint Angles: Implications for Forensic Gait Analysis. <i>Journal of Forensic Sciences</i> , 2014, 59, 494-504.	0.9	27
41	Markerless motion capture can provide reliable 3D gait kinematics in the sagittal and frontal plane. <i>Medical Engineering and Physics</i> , 2014, 36, 1168-1175.	0.8	67
42	Sex differences in muscular load among house painters performing identical work tasks. <i>European Journal of Applied Physiology</i> , 2014, 114, 1901-1911.	1.2	30
43	Markerless motion capture systems for tracking of persons in forensic biomechanics: an overview. <i>Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization</i> , 2014, 2, 46-65.	1.3	13
44	Slide-based ergometer rowing: Effects on force production and neuromuscular activity. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2013, 23, 635-644.	1.3	12
45	Influence of stimulus intensity on the soleus H-reflex amplitude and modulation during locomotion. <i>Journal of Electromyography and Kinesiology</i> , 2013, 23, 438-442.	0.7	3
46	Baggage handler seniority and musculoskeletal symptoms: is heavy lifting in awkward positions associated with the risk of pain?. <i>BMJ Open</i> , 2013, 3, e004055.	0.8	22
47	Neuromuscular adaptations to 4 weeks of intensive drop jump training in well-trained athletes. <i>Physiological Reports</i> , 2013, 1, e00099.	0.7	30
48	The Effect of Foot Progression Angle on Knee Joint Compression Force During Walking. <i>Journal of Applied Biomechanics</i> , 2013, 29, 329-335.	0.3	11
49	Walking on High Heels Changes Muscle Activity and the Dynamics of Human Walking Significantly. <i>Journal of Applied Biomechanics</i> , 2012, 28, 20-28.	0.3	77
50	Explanations Pertaining to the Hip Joint Flexor Moment During the Stance Phase of Human Walking. <i>Journal of Applied Biomechanics</i> , 2012, 28, 542-550.	0.3	21
51	Gait analysis of adults with generalised joint hypermobility. <i>Clinical Biomechanics</i> , 2012, 27, 573-577.	0.5	35
52	Computational modeling of a forward lunge: towards a better understanding of the function of the cruciate ligaments. <i>Journal of Anatomy</i> , 2012, 221, 590-597.	0.9	15
53	Antagonist muscle moment is increased in ACL deficient subjects during maximal dynamic knee extension. <i>Knee</i> , 2012, 19, 633-639.	0.8	24
54	Knee function in 10-year-old children and adults with Generalised Joint Hypermobility. <i>Knee</i> , 2012, 19, 773-778.	0.8	23

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55	Reflex response and control of the human soleus and gastrocnemius muscles during walking and running at increasing velocity. <i>Experimental Brain Research</i> , 2012, 219, 163-174.	0.7	13
56	The variability problem of normal human walking. <i>Medical Engineering and Physics</i> , 2012, 34, 219-224.	0.8	31
57	Movement Behavior of High-Heeled Walking: How Does the Nervous System Control the Ankle Joint during an Unstable Walking Condition?. <i>PLoS ONE</i> , 2012, 7, e37390.	1.1	13
58	Acute fatigue impairs neuromuscular activity of anterior cruciate ligament agonist muscles in female team handball players. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2011, 21, 833-840.	1.3	55
59	Is it possible to reduce the knee joint compression force during level walking with hiking poles?. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2011, 21, e195-200.	1.3	17
60	Different knee joint loading patterns in ACL deficient copers and non-copers during walking. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2011, 19, 615-621.	2.3	32
61	Neuromuscular activity and force production during slide-based and stationary ergometer rowing. <i>British Journal of Sports Medicine</i> , 2011, 45, 381-382.	3.1	2
62	Redistribution of joint moments during walking in patients with drop-foot. <i>Clinical Biomechanics</i> , 2010, 25, 949-952.	0.5	29
63	Experimental muscle pain during a forward lunge – the effects on knee joint dynamics and electromyographic activity. <i>British Journal of Sports Medicine</i> , 2009, 43, 503-507.	3.1	32
64	Forward lunge as a functional performance test in ACL deficient subjects: Test-retest reliability. <i>Knee</i> , 2009, 16, 176-182.	0.8	23
65	Experimentally reduced hip abductor function during walking: Implications for knee joint loads. <i>Journal of Biomechanics</i> , 2009, 42, 1236-1240.	0.9	57
66	Nordic Walking does not reduce the loading of the knee joint. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2008, 18, 436-441.	1.3	45
67	Influence of pain and gender on impact loading during walking: A randomised trial. <i>Clinical Biomechanics</i> , 2008, 23, 221-230.	0.5	13
68	The Effects of Neuromuscular Training on Knee Joint Motor Control During Sidecutting in Female Elite Soccer and Handball Players. <i>Clinical Journal of Sport Medicine</i> , 2008, 18, 329-337.	0.9	142
69	Experimental quadriceps muscle pain impairs knee joint control during walking. <i>Journal of Applied Physiology</i> , 2007, 103, 132-139.	1.2	83
70	Walking pattern in 9 women with hip dysplasia 18 months after periacetabular osteotomy. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2006, 77, 203-208.	1.2	40
71	Exercise-induced rib stress fractures: potential risk factors related to thoracic muscle co-contraction and movement pattern. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2006, 16, 188-196.	1.3	33
72	Increased joint loads during walking – A consequence of pain relief in knee osteoarthritis. <i>Knee</i> , 2006, 13, 445-450.	0.8	87

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73	Region-specific mechanical properties of the human patella tendon. <i>Journal of Applied Physiology</i> , 2005, 98, 1006-1012.	1.2	117
74	Exercise-induced rib stress fractures: influence of reduced bone mineral density. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2005, 15, 95-99.	1.3	25
75	Effect of aging on performance, muscle activation and perceived stress during mentally demanding computer tasks. <i>Scandinavian Journal of Work, Environment and Health</i> , 2005, 31, 152-159.	1.7	11
76	Walking pattern in adults with congenital hip dysplasia 14 women examined by inverse dynamics. <i>Acta Orthopaedica</i> , 2004, 75, 2-9.	1.4	48
77	Salivary Cortisol Level, Salivary Flow Rate, and Masticatory Muscle Activity in Response to Acute Mental Stress: A Comparison between Aged and Young Women. <i>Gerontology</i> , 2004, 50, 383-392.	1.4	51
78	Evaluation of the walking pattern in two types of patients with anterior cruciate ligament deficiency: copers and non-copers. <i>European Journal of Applied Physiology</i> , 2003, 89, 301-308.	1.2	82
79	Differences in the movement pattern of a forward lunge in two types of anterior cruciate ligament deficient patients: copers and non-copers. <i>Clinical Biomechanics</i> , 2002, 17, 586-593.	0.5	77
80	Interindividual differences in H reflex modulation during normal walking. <i>Experimental Brain Research</i> , 2002, 142, 108-115.	0.7	17
81	Comparison of inverse dynamics calculated by two- and three-dimensional models during walking. <i>Gait and Posture</i> , 2001, 13, 73-77.	0.6	55
82	Evaluation of the Walking Pattern in Clubfoot Patients Who Received Early Intensive Treatment. <i>Journal of Pediatric Orthopaedics</i> , 2000, 20, 642-647.	0.6	34
83	Choice of jumping strategy in two standard jumps, squat and countermovement jump—effect of training background or inherited preference?. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 1999, 9, 201-208.	1.3	40