

Hiroshige Tateuchi

List of Publications by Year in descending order

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74
papers

1,194
citations

394390

19
h-index

454934

30
g-index

78
all docs

78
docs citations

78
times ranked

1331
citing authors

#	ARTICLE	IF	CITATIONS
1	Association of low back pain with muscle stiffness and muscle mass of the lumbar back muscles, and sagittal spinal alignment in young and middle-aged medical workers. <i>Clinical Biomechanics</i> , 2017, 49, 128-133.	1.2	72
2	Daily cumulative hip moment is associated with radiographic progression of secondary hip osteoarthritis. <i>Osteoarthritis and Cartilage</i> , 2017, 25, 1291-1298.	1.3	63
3	Verification of reliability and validity of motion analysis systems during bilateral squat using human pose tracking algorithm. <i>Gait and Posture</i> , 2020, 80, 62-67.	1.4	60
4	Effects of calcaneal eversion on three-dimensional kinematics of the hip, pelvis and thorax in unilateral weight bearing. <i>Human Movement Science</i> , 2011, 30, 566-573.	1.4	54
5	Verification of validity of gait analysis systems during treadmill walking and running using human pose tracking algorithm. <i>Gait and Posture</i> , 2021, 85, 290-297.	1.4	52
6	Effects of high-velocity resistance training on muscle function, muscle properties, and physical performance in individuals with hip osteoarthritis: a randomized controlled trial. <i>Clinical Rehabilitation</i> , 2014, 28, 48-58.	2.2	51
7	Muscle Mass and Composition of the Hip, Thigh and Abdominal Muscles in Women With and Without Hip Osteoarthritis. <i>Ultrasound in Medicine and Biology</i> , 2012, 38, 1540-1545.	1.5	48
8	Balance of hip and trunk muscle activity is associated with increased anterior pelvic tilt during prone hip extension. <i>Journal of Electromyography and Kinesiology</i> , 2012, 22, 391-397.	1.7	45
9	Kinematic and kinetic characteristics of Masai Barefoot Technology footwear. <i>Gait and Posture</i> , 2012, 35, 567-572.	1.4	45
10	The effect of angle and moment of the hip and knee joint on iliotibial band hardness. <i>Gait and Posture</i> , 2015, 41, 522-528.	1.4	39
11	Effects of dual-task switch exercise on gait and gait initiation performance in older adults: Preliminary results of a randomized controlled trial. <i>Archives of Gerontology and Geriatrics</i> , 2012, 54, e167-e171.	3.0	34
12	The effect of sex and fatigue on lower limb kinematics, kinetics, and muscle activity during unanticipated side-step cutting. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2014, 22, 41-48.	4.2	32
13	Anticipatory Postural Adjustments During Lateral Step Motion in Patients With Hip Osteoarthritis. <i>Journal of Applied Biomechanics</i> , 2011, 27, 32-39.	0.8	28
14	Sagittal alignment and mobility of the thoracolumbar spine are associated with radiographic progression of secondary hip osteoarthritis. <i>Osteoarthritis and Cartilage</i> , 2018, 26, 397-404.	1.3	27
15	Differences in muscle activation patterns during step recovery in elderly women with and without a history of falls. <i>Aging Clinical and Experimental Research</i> , 2014, 26, 213-220.	2.9	25
16	Effects of trunk rotation on scapular kinematics and muscle activity during humeral elevation. <i>Journal of Electromyography and Kinesiology</i> , 2013, 23, 679-687.	1.7	24
17	Dynamic hip joint stiffness in individuals with total hip arthroplasty: Relationships between hip impairments and dynamics of the other joints. <i>Clinical Biomechanics</i> , 2011, 26, 598-604.	1.2	23
18	Age-related changes in muscle thickness and echo intensity of trunk muscles in healthy women: comparison of 20â€“60s age groups. <i>European Journal of Applied Physiology</i> , 2020, 120, 1805-1814.	2.5	22

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19	Effects of toe and ankle training in older people: A cross-over study. <i>Geriatrics and Gerontology International</i> , 2011, 11, 246-255.	1.5	21
20	The effect of three-dimensional postural change on shear elastic modulus of the iliotibial band. <i>Journal of Electromyography and Kinesiology</i> , 2016, 28, 137-142.	1.7	20
21	Gait- and postural-alignment-related prognostic factors for hip and knee osteoarthritis: Toward the prevention of osteoarthritis progression. <i>Physical Therapy Research</i> , 2019, 22, 31-37.	0.9	19
22	Relationships between performance and kinematic/kinetic variables of stair descent in patients with medial knee osteoarthritis: An evaluation of dynamic stability using an extrapolated center of mass. <i>Clinical Biomechanics</i> , 2015, 30, 1066-1070.	1.2	18
23	The effects of fall history on kinematic synergy during walking. <i>Journal of Biomechanics</i> , 2019, 82, 204-210.	2.1	18
24	Immediate effects of different ankle pushoff instructions during walking exercise on hip kinematics and kinetics in individuals with total hip arthroplasty. <i>Gait and Posture</i> , 2011, 33, 609-614.	1.4	17
25	The correlation between movement of the center of mass and the kinematics of the spine, pelvis, and hip joints during body rotation. <i>Gait and Posture</i> , 2014, 39, 60-64.	1.4	16
26	Factors Associated with Restricted Hip Extension during Gait in Women after Total Hip Arthroplasty. <i>HIP International</i> , 2015, 25, 543-548.	1.7	16
27	Greater Lumbar Extension During Dolphin Kick and Psoas Major Tightness in Swimmers With Low Back Pain. <i>Journal of Sport Rehabilitation</i> , 2020, 29, 716-722.	1.0	16
28	Pelvic instability and trunk and hip muscle recruitment patterns in patients with total hip arthroplasty. <i>Journal of Electromyography and Kinesiology</i> , 2013, 23, 151-158.	1.7	15
29	The effects of knee pain on knee contact force and external knee adduction moment in patients with knee osteoarthritis. <i>Journal of Biomechanics</i> , 2021, 123, 110538.	2.1	15
30	Radiographic and clinical factors associated with one-leg standing and gait in patients with mild-to-moderate secondary hip osteoarthritis. <i>Gait and Posture</i> , 2016, 49, 207-212.	1.4	13
31	Effects of the trunk position on muscle stiffness that reflects elongation of the lumbar erector spinae and multifidus muscles: an ultrasonic shear wave elastography study. <i>European Journal of Applied Physiology</i> , 2019, 119, 1085-1091.	2.5	13
32	Relation between frontal plane center of mass position stability and foot elevation during obstacle crossing. <i>Journal of Biomechanics</i> , 2021, 116, 110219.	2.1	13
33	Stepping Exercises Improve Muscle Strength in the Early Postoperative Phase After Total Hip Arthroplasty. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2012, 91, 43-52.	1.4	12
34	Electromyographic Analysis of Training to Selectively Strengthen the Lumbar Multifidus Muscle: Effects of Different Lifting Directions and Weight Loading of the Extremities During Quadruped Upper and Lower Extremity Lifts. <i>Journal of Manipulative and Physiological Therapeutics</i> , 2015, 38, 138-144.	0.9	12
35	Effects of High- and Low-Velocity Resistance Training on Gait Kinematics and Kinetics in Individuals with Hip Osteoarthritis. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2017, 96, 417-423.	1.4	12
36	Compensatory turning strategies while walking in patients with hip osteoarthritis. <i>Gait and Posture</i> , 2014, 39, 1133-1137.	1.4	11

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37	Immediate effect of Masai Barefoot Technology shoes on knee joint moments in women with knee osteoarthritis. <i>Gait and Posture</i> , 2014, 40, 204-208.	1.4	11
38	Relative mobility of the pelvis and spine during trunk axial rotation in chronic low back pain patients: A case-control study. <i>PLoS ONE</i> , 2017, 12, e0186369.	2.5	10
39	Gait kinematics of the hip, pelvis, and trunk associated with external hip adduction moment in patients with secondary hip osteoarthritis: toward determination of the key point in gait modification. <i>BMC Musculoskeletal Disorders</i> , 2020, 21, 8.	1.9	10
40	The relation between kinematic synergy to stabilize the center of mass during walking and future fall risks: a 1-year longitudinal study. <i>BMC Geriatrics</i> , 2021, 21, 240.	2.7	10
41	Effect of balance exercise in combination with whole-body vibration on muscle activity of the stepping limb during a forward fall in older women: A randomized controlled pilot study. <i>Archives of Gerontology and Geriatrics</i> , 2015, 60, 244-251.	3.0	9
42	Associations of radiographic degeneration and pain with daily cumulative hip loading in patients with secondary hip osteoarthritis. <i>Journal of Orthopaedic Research</i> , 2016, 34, 1977-1983.	2.3	9
43	Gait strategies to reduce the dynamic joint load in the lower limbs during a loading response in young healthy adults. <i>Human Movement Science</i> , 2018, 58, 260-267.	1.4	9
44	Gait- and Posture-Related Factors Associated With Changes in Hip Pain and Physical Function in Patients With Secondary Hip Osteoarthritis: A Prospective Cohort Study. <i>Archives of Physical Medicine and Rehabilitation</i> , 2019, 100, 2053-2062.	0.9	8
45	Effects of trunk lean and foot lift exercises in sitting position on abdominal muscle activity and the contribution rate of transversus abdominis. <i>European Journal of Applied Physiology</i> , 2021, 121, 173-181.	2.5	8
46	Postural Control for Initiation of Lateral Step and Step-up Motions in Young Adults. <i>Journal of Physical Therapy Science</i> , 2006, 18, 49-55.	0.6	7
47	The relation between limb segment coordination during walking and fall history in community-dwelling older adults. <i>Journal of Biomechanics</i> , 2019, 93, 94-100.	2.1	7
48	Abdominal girth as an index of muscle tension during abdominal hollowing: Selecting the optimal training intensity for the transversus abdominis muscle. <i>Journal of Biomechanics</i> , 2019, 89, 72-77.	2.1	7
49	Effect of different knee flexion angles with a constant hip and knee torque on the muscle forces and neuromuscular activities of hamstrings and gluteus maximus muscles. <i>European Journal of Applied Physiology</i> , 2019, 119, 399-407.	2.5	7
50	Back muscle activity and sagittal spinal alignment during quadruped upper and lower extremity lift in young men with low back pain history. <i>Gait and Posture</i> , 2018, 66, 221-227.	1.4	6
51	Gait kinematics and physical function that most affect intralimb coordination in patients with stroke. <i>NeuroRehabilitation</i> , 2019, 45, 493-499.	1.3	6
52	Age- and sex-related differences of muscle cross-sectional area in iliocapsularis: a cross-sectional study. <i>BMC Geriatrics</i> , 2022, 22, 435.	2.7	6
53	Strategies for increasing gait speed in patients with hip osteoarthritis: their clinical significance and effects on hip loading. <i>Arthritis Research and Therapy</i> , 2021, 23, 129.	3.5	5
54	Relationship between individual forces of each quadriceps head during low-load knee extension and cartilage thickness and knee pain in women with knee osteoarthritis. <i>Clinical Biomechanics</i> , 2022, 91, 105546.	1.2	5

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55	Mechanical energy efficiency for stepping up and down in persons with medial knee osteoarthritis. <i>Gait and Posture</i> , 2019, 69, 143-149.	1.4	3
56	Differences in shear elastic modulus of the latissimus dorsi muscle during stretching among varied trunk positions. <i>Journal of Biomechanics</i> , 2021, 118, 110324.	2.1	3
57	Estimating thigh skeletal muscle volume using multi-frequency segmental-bioelectrical impedance analysis. <i>Journal of Physiological Anthropology</i> , 2021, 40, 13.	2.6	3
58	Age-Related Changes of Postural Control in Initiation of Lateral Step Motions. <i>Rigakuryoho Kagaku</i> , 2006, 21, 267-273.	0.1	2
59	Immediate Effects of the Body Weight Supported Treadmill Training for the Patient with Orthopedics Diseases. <i>Rigakuryoho Kagaku</i> , 2008, 23, 753-757.	0.1	2
60	Regeneration of a Completely Transected Sciatic Nerve with Use of a Bioabsorbable Nerve Conduit Filled with Collagen with a 14-Year Follow-up. <i>JBS Case Connector</i> , 2017, 7, e77-e77.	0.3	2
61	Relationship between vertical ground reaction force and muscle strength while climbing stairs after total hip arthroplasty. <i>Clinical Biomechanics</i> , 2020, 78, 105088.	1.2	2
62	Immediate effects of stance and swing phase training on gait in patients with stroke. <i>International Journal of Rehabilitation Research</i> , 2021, 44, 152-158.	1.3	2
63	The function of the popliteus muscle: An in vivo ultrasound shear wave elastography study. <i>Human Movement Science</i> , 2021, 76, 102751.	1.4	2
64	Influence of simulated hip muscle weakness on hip joint forces during deep squatting. <i>Journal of Sports Sciences</i> , 2021, 39, 2289-2297.	2.0	2
65	Influence of stance width and toe direction on medial knee contact force during bodyweight squats. <i>Journal of Biomechanics</i> , 2021, 129, 110824.	2.1	2
66	Properties of triceps surae and Achilles tendon in forefoot and non-forefoot strike runners. <i>Journal of Sports Medicine and Physical Fitness</i> , 2022, 62, .	0.7	2
67	Changes in kinematic synergy in older adults during walking: A two-year follow-up study. <i>Gait and Posture</i> , 2022, 96, 244-250.	1.4	2
68	Muscle size-scaled shear elastic modulus: A muscle force index independent of maximal voluntary contraction, assessed during elbow extension. <i>Journal of Biomechanics</i> , 2020, 112, 110049.	2.1	1
69	Verification of criterion-related validity of the evaluation method of postural stability using the frame subtraction method. <i>Journal of Biomechanics</i> , 2020, 109, 109958.	2.1	1
70	METHODOLOGICAL APPROACH TO EVALUATE THE EFFECTS OF MUSCLE REMOVAL ON ESTIMATED MUSCLE FORCES DURING WALKING IN PATIENTS AFTER RESECTION OF SOFT TISSUE SARCOMA IN THE THIGH. <i>Journal of Mechanics in Medicine and Biology</i> , 2020, 20, 1950077.	0.7	1
71	Clinical phenotypes based on clinical prognostic factors in patients with secondary hip osteoarthritis: preliminary findings from a prospective cohort study. <i>Clinical Rheumatology</i> , 2020, 39, 2207-2217.	2.2	1
72	Response to a letter to the editor from Dr. Timur Ekiz regarding our article "Age-related changes in muscle thickness and echo intensity of trunk muscles in healthy women: comparison of 20s and 60s age groups". <i>European Journal of Applied Physiology</i> , 2020, 120, 2561-2563.	2.5	0

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73	Investigation of joint angle specificity in low-load hip abductor isometric training: a randomized controlled trial. <i>The Journal of Physical Fitness and Sports Medicine</i> , 2019, 8, 107-111.	0.3	0
74	The effect of Liquid ice after high-intensity exercise on muscle function compared to Block ice. <i>Journal of Exercise Science and Fitness</i> , 2022, 20, 23-26.	2.2	0