

Timo Rantalainen

List of Publications by Year in descending order

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Version: 2024-02-01

151
papers

3,036
citations

186254

28
h-index

214788

47
g-index

152
all docs

152
docs citations

152
times ranked

3751
citing authors

#	ARTICLE	IF	CITATIONS
1	Physical Activity Scaled to Preferred Walking Speed as a Predictor of Walking Difficulty in Older Adults: A 2-Year Follow-up. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2022, 77, 597-604.	3.6	1
2	Increased Joint Mobility Is Associated With Impaired Transversus Abdominis Contraction. <i>Journal of Strength and Conditioning Research</i> , 2022, 36, 2472-2478.	2.1	4
3	Metabolic health, menopause, and physical activity—a 4-year follow-up study. <i>International Journal of Obesity</i> , 2022, 46, 544-554.	3.4	33
4	Aerobic Capacity Determines Habitual Walking Acceleration, Not Electromyography-Indicated Relative Effort. <i>Journal for the Measurement of Physical Behaviour</i> , 2022, 5, 32-41.	0.8	1
5	Exercise may impact on lumbar vertebrae marrow adipose tissue: Randomised controlled trial. <i>Bone</i> , 2022, 157, 116338.	2.9	7
6	Is Complexity of Daily Activity Associated with Physical Function and Life-Space Mobility among Older Adults?. <i>Medicine and Science in Sports and Exercise</i> , 2022, 54, 1210-1217.	0.4	2
7	Fibula response to disuse: a longitudinal analysis in people with spinal cord injury. <i>Archives of Osteoporosis</i> , 2022, 17, 51.	2.4	2
8	Association Between Free-Living Sit-to-Stand Transition Characteristics, and Lower-Extremity Performance, Fear of Falling, and Stair Negotiation Difficulties Among Community-Dwelling 75 to 85-Year-Old Adults. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2022, 77, 1644-1653.	3.6	5
9	Quantification of Recruit Training Demands and Subjective Wellbeing during Basic Military Training. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 7360.	2.6	7
10	Effects of a multicomponent resistance-based exercise program with protein, vitamin D and calcium supplementation on cognition in men with prostate cancer treated with ADT: secondary analysis of a 12-month randomised controlled trial. <i>BMJ Open</i> , 2022, 12, e060189.	1.9	2
11	Identifying and Assessing Inter-Muscular Fat at the Distal Diaphyseal Femur Measured by Peripheral Quantitative Computed Tomography (pQCT). <i>Journal of Clinical Densitometry</i> , 2021, 24, 106-111.	1.2	2
12	Associations of physical activity intensities, impact intensities and osteogenic index with proximal femur bone traits among sedentary older adults. <i>Bone</i> , 2021, 143, 115704.	2.9	3
13	Mechanical loading influences the lumbar intervertebral disc. A cross-sectional study in 308 athletes and 71 controls. <i>Journal of Orthopaedic Research</i> , 2021, 39, 989-997.	2.3	6
14	Altered prefrontal cortex responses in older adults with subjective memory complaints and dementia during dual-task gait: An fNIRS study. <i>European Journal of Neuroscience</i> , 2021, 53, 1324-1333.	2.6	13
15	Associations Between Accelerometer-Based Free-Living Walking and Self-Reported Walking Capability Among Community-Dwelling Older People. <i>Journal of Aging and Physical Activity</i> , 2021, 29, 1018-1025.	1.0	4
16	Associations of age, body size, and maturation with physical activity intensity in different laboratory tasks in children. <i>Journal of Sports Sciences</i> , 2021, 39, 1428-1435.	2.0	2
17	The skeletal maturity of Australian children aged 10–13 years in 2016. <i>Annals of Human Biology</i> , 2021, 48, 150-152.	1.0	0
18	The gait is less stable in children with cerebral palsy in normal and dual-task gait compared to typically developed peers. <i>Journal of Biomechanics</i> , 2021, 117, 110244.	2.1	13

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19	Predicting the age at natural menopause in middle-aged women. <i>Menopause</i> , 2021, 28, 792-799.	2.0	5
20	Musculoskeletal Responses to Exercise Plus Nutrition in Men with Prostate Cancer on Androgen Deprivation: A 12-Month RCT. <i>Medicine and Science in Sports and Exercise</i> , 2021, 53, 2054-2065.	0.4	8
21	Physical activity accumulation along the intensity spectrum differs between children and adults. <i>European Journal of Applied Physiology</i> , 2021, 121, 2563-2571.	2.5	7
22	Comparison of Classroom-Based Sedentary Time and Physical Activity in Conventional Classrooms and Open Learning Spaces Among Elementary School Students. <i>Frontiers in Sports and Active Living</i> , 2021, 3, 626282.	1.8	5
23	Associations of fitness, motor competence, and adiposity with the indicators of physical activity intensity during different physical activities in children. <i>Scientific Reports</i> , 2021, 11, 12521.	3.3	4
24	Use of walking modifications, perceived walking difficulty and changes in outdoor mobility among community-dwelling older people during COVID-19 restrictions. <i>Aging Clinical and Experimental Research</i> , 2021, 33, 2909-2916.	2.9	7
25	Countâ€ versus MADâ€ based accelerometryâ€ assessed movement behaviors and associations with child adiposity and fitness. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2021, 31, 2322-2332.	2.9	1
26	Day-to-Day Variability and Year-to-Year Reproducibility of Accelerometer-Measured Free-Living Sit-to-Stand Transitions Volume and Intensity among Community-Dwelling Older Adults. <i>Sensors</i> , 2021, 21, 6068.	3.8	7
27	The effects of a physical and cognitive training intervention vs. physical training alone on older adultsâ€™ physical activity: A randomized controlled trial with extended follow-up during COVID-19. <i>PLoS ONE</i> , 2021, 16, e0258559.	2.5	5
28	Development of a Parkinsonâ€™s disease specific falls questionnaire. <i>BMC Geriatrics</i> , 2021, 21, 614.	2.7	5
29	Association between developmental coordination disorder or low motor competence, and risk of impaired bone health across the lifespan: protocol for a systematic review and meta-analysis. <i>JBI Evidence Synthesis</i> , 2021, 19, 1202-1210.	1.3	1
30	Functional Basis of Asymmetrical Lower-Body Skeletal Morphology in Professional Australian Rules Footballers. <i>Journal of Strength and Conditioning Research</i> , 2020, 34, 791-799.	2.1	12
31	Jump height from inertial recordings: A tutorial for a sports scientist. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2020, 30, 38-45.	2.9	20
32	Associations between Perceived Outdoor Environment and Walking Modifications in Community-Dwelling Older People: A Two-Year Follow-Up Study. <i>Journal of Aging and Health</i> , 2020, 32, 1538-1551.	1.7	9
33	Axial loading and posture cues in contraction of transversus abdominis and multifidus with exercise. <i>Scientific Reports</i> , 2020, 10, 11218.	3.3	0
34	Validity of traditional physical activity intensity calibration methods and the feasibility of self-paced walking and running on individualised calibration of physical activity intensity in children. <i>Scientific Reports</i> , 2020, 10, 11031.	3.3	8
35	Accelerometer-measured and self-reported physical activity in relation to extraversion and neuroticism: a cross-sectional analysis of two studies. <i>BMC Geriatrics</i> , 2020, 20, 264.	2.7	17
36	Daily Physical Activity and Sedentary Time Assessed by Acceleration Based on Mean Amplitude Deviation among Older People. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 6887.	2.6	0

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37	Laboratory-Based Gait Variability and Habitual Gait Entropy Do Not Differentiate Community-Dwelling Older Adults from Those with Subjective Memory Complaints. <i>Gait and Posture</i> , 2020, 80, 20-25.	1.4	7
38	Randomized Trial of General Strength and Conditioning versus Motor Control and Manual Therapy for Chronic Low Back Pain on Physical and Self-Report Outcomes. <i>Journal of Clinical Medicine</i> , 2020, 9, 1726.	2.4	25
39	Characterization of Intervertebral Disc Changes in Asymptomatic Individuals with Distinct Physical Activity Histories Using Three Different Quantitative MRI Techniques. <i>Journal of Clinical Medicine</i> , 2020, 9, 1841.	2.4	7
40	Individual Scaling of Accelerometry to Preferred Walking Speed in the Assessment of Physical Activity in Older Adults. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020, 75, e111-e118.	3.6	9
41	Physical function and lean body mass as predictors of bone loss after hip fracture: a prospective follow-up study. <i>BMC Musculoskeletal Disorders</i> , 2020, 21, 367.	1.9	1
42	Exercise for the intervertebral disc: a 6-month randomised controlled trial in chronic low back pain. <i>European Spine Journal</i> , 2020, 29, 1887-1899.	2.2	13
43	Effects of an Individualized Active Aging Counseling Intervention on Mobility and Physical Activity: Secondary Analyses of a Randomized Controlled Trial. <i>Journal of Aging and Health</i> , 2020, 32, 1316-1324.	1.7	7
44	The Associations of Activity Fragmentation With Physical and Mental Fatigability Among Community-Dwelling 75-, 80-, and 85-Year-Old People. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020, 75, e103-e110.	3.6	25
45	Effects of an individually targeted multicomponent counseling and home-based rehabilitation program on physical activity and mobility in community-dwelling older people after discharge from hospital: a randomized controlled trial. <i>Clinical Rehabilitation</i> , 2020, 34, 491-503.	2.2	12
46	Associations of physical activity in detailed intensity ranges with body composition and physical function. a cross-sectional study among sedentary older adults. <i>European Review of Aging and Physical Activity</i> , 2020, 17, 4.	2.9	25
47	Gait Variability Using Waist- and Ankle-Worn Inertial Measurement Units in Healthy Older Adults. <i>Sensors</i> , 2020, 20, 2858.	3.8	6
48	Characterisation of peripheral bone mineral density in youth at risk of secondary osteoporosis - a preliminary insight. <i>Journal of Musculoskeletal Neuronal Interactions</i> , 2020, 20, 27-52.	0.1	6
49	Biological basis of bone strength: anatomy, physiology and measurement. <i>Journal of Musculoskeletal Neuronal Interactions</i> , 2020, 20, 347-371.	0.1	15
50	Impact of a multimodal exercise program on tibial bone health in adolescents with Development Coordination Disorder: an examination of feasibility and potential efficacy. <i>Journal of Musculoskeletal Neuronal Interactions</i> , 2020, 20, 445-471.	0.1	0
51	Suboptimal bone status for adolescents with low motor competence and developmental coordination disorder is sex specific. <i>Research in Developmental Disabilities</i> , 2019, 84, 57-65.	2.2	8
52	The importance of level stratification for quantitative MR studies of lumbar intervertebral discs: a cross-sectional analysis in 101 healthy adults. <i>European Spine Journal</i> , 2019, 28, 2153-2161.	2.2	12
53	The Effects of Restriction Pressures on the Acute Responses to Blood Flow Restriction Exercise. <i>Frontiers in Physiology</i> , 2019, 10, 1018.	2.8	35
54	Does Use of Androgen Deprivation Therapy (ADT) in Men with Prostate Cancer Increase the Risk of Sarcopenia?. <i>Calcified Tissue International</i> , 2019, 105, 403-411.	3.1	16

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55	Outdoor Mobility and Use of Adaptive or Maladaptive Walking Modifications Among Older People. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2019, 75, 806-812.	3.6	14
56	Sedentary Thresholds for Accelerometry-Based Mean Amplitude Deviation and Electromyography Amplitude in 7-11 Years Old Children. <i>Frontiers in Physiology</i> , 2019, 10, 997.	2.8	11
57	Serratus Anterior Contraction During Resisted Arm Extension (GravityFit) Assessed by MRI. <i>Frontiers in Physiology</i> , 2019, 10, 1164.	2.8	2
58	Reliability and concurrent validity of spatiotemporal stride characteristics measured with an ankle-worn sensor among older individuals. <i>Gait and Posture</i> , 2019, 74, 33-39.	1.4	10
59	Effects of a Home-Based Physical Rehabilitation Program on Tibial Bone Structure, Density, and Strength After Hip Fracture: A Secondary Analysis of a Randomized Controlled Trial. <i>JBMR Plus</i> , 2019, 3, e10175.	2.7	4
60	Individualized counselling for active aging: protocol of a single-blinded, randomized controlled trial among older people (the AGNES intervention study). <i>BMC Geriatrics</i> , 2019, 19, 5.	2.7	13
61	Bone mineral density, structure, distribution and strength in men with prostate cancer treated with androgen deprivation therapy. <i>Bone</i> , 2019, 127, 367-375.	2.9	13
62	The clinical relevance of adiposity when assessing muscle health in men treated with androgen deprivation for prostate cancer. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2019, 10, 1036-1044.	7.3	10
63	Markerless 2D kinematic analysis of underwater running: A deep learning approach. <i>Journal of Biomechanics</i> , 2019, 87, 75-82.	2.1	50
64	Priming the Motor Cortex With Anodal Transcranial Direct Current Stimulation Affects the Acute Inhibitory Corticospinal Responses to Strength Training. <i>Journal of Strength and Conditioning Research</i> , 2019, 33, 307-317.	2.1	11
65	Transversus abdominis and multifidus asymmetry in runners measured by MRI: a cross-sectional study. <i>BMJ Open Sport and Exercise Medicine</i> , 2019, 5, e000556.	2.9	4
66	Counselling for physical activity, life-space mobility and falls prevention in old age (COSMOS): protocol of a randomised controlled trial. <i>BMJ Open</i> , 2019, 9, e029682.	1.9	9
67	36 Altered Prefrontal Cortex Responses in Older Adults with Subjective Memory Complaints and Dementia During Dual-Task Gait: An Fnrirs Study. <i>Age and Ageing</i> , 2019, 48, iv9-iv12.	1.6	0
68	Assessing physical performance and physical activity in large population-based aging studies: home-based assessments or visits to the research center?. <i>BMC Public Health</i> , 2019, 19, 1570.	2.9	40
69	Determining the Corticospinal Responses to Single Bouts of Skill and Strength Training. <i>Journal of Strength and Conditioning Research</i> , 2019, 33, 2299-2307.	2.1	12
70	Beneficial Intervertebral Disc and Muscle Adaptations in High-Volume Road Cyclists. <i>Medicine and Science in Sports and Exercise</i> , 2019, 51, 211-217.	0.4	13
71	Thresholds of Sedentary Behavior in Children Based on Various Measures. <i>Medicine and Science in Sports and Exercise</i> , 2019, 51, 364-364.	0.4	0
72	Intervertebral disc status is associated with vertebral marrow adipose tissue and muscular endurance. <i>European Spine Journal</i> , 2018, 27, 1704-1711.	2.2	5

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73	Concurrent validity and reliability of torso-worn inertial measurement unit for jump power and height estimation. <i>Journal of Sports Sciences</i> , 2018, 36, 1937-1942.	2.0	17
74	Specific Modulation of Vertebral Marrow Adipose Tissue by Physical Activity. <i>Journal of Bone and Mineral Research</i> , 2018, 33, 651-657.	2.8	33
75	Are habitual runners physically inactive?. <i>Journal of Sports Sciences</i> , 2018, 36, 1793-1800.	2.0	15
76	The ipsilateral corticospinal responses to cross-education are dependent upon the motor-training intervention. <i>Experimental Brain Research</i> , 2018, 236, 1331-1346.	1.5	17
77	Cervical and thoracic intervertebral disc hydration increases with recumbency: a study in 101 healthy volunteers. <i>Spine Journal</i> , 2018, 18, 314-320.	1.3	10
78	Please Don't Move" Evaluating Motion Artifact From Peripheral Quantitative Computed Tomography Scans Using Textural Features. <i>Journal of Clinical Densitometry</i> , 2018, 21, 260-268.	1.2	9
79	FREE-LIVING AND LABORATORY-BASED GAIT ASSESSMENTS PROVIDE CONGRUENT RESULTS AMONG 75-YEAR-OLD MEN AND WOMEN. <i>Innovation in Aging</i> , 2018, 2, 729-730.	0.1	0
80	Appendicular fracture epidemiology of children and adolescents: a 10-year case review in Western Australia (2005 to 2015). <i>Archives of Osteoporosis</i> , 2018, 13, 63.	2.4	17
81	P 042 - Gait complexity quantified using inertial measurement units in children with cerebral palsy. <i>Gait and Posture</i> , 2018, 65, 305-306.	1.4	2
82	Concurrent exergaming and transcranial direct current stimulation to improve balance in people with Parkinson's disease: study protocol for a randomised controlled trial. <i>Trials</i> , 2018, 19, 387.	1.6	15
83	Inertial Sensors are a Valid Tool to Detect and Consistently Quantify Jumping. <i>International Journal of Sports Medicine</i> , 2018, 39, 802-808.	1.7	18
84	Active aging " resilience and external support as modifiers of the disablement outcome: AGNES cohort study protocol. <i>BMC Public Health</i> , 2018, 18, 565.	2.9	62
85	Validity of hip-worn inertial measurement unit compared to jump mat for jump height measurement in adolescents. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2018, 28, 2183-2188.	2.9	6
86	Children's physical activity and sedentary time compared using assessments of accelerometry counts and muscle activity level. <i>PeerJ</i> , 2018, 6, e5437.	2.0	12
87	Reliability of upper-limb diaphyseal mineral and soft-tissue measurements using peripheral Quantitative Computed Tomography (pQCT). <i>Journal of Musculoskeletal Neuronal Interactions</i> , 2018, 18, 438-445.	0.1	2
88	Effects of high intensity resistance aquatic training on body composition and walking speed in women with mild knee osteoarthritis: a 4-month RCT with 12-month follow-up. <i>Osteoarthritis and Cartilage</i> , 2017, 25, 1238-1246.	1.3	60
89	Running exercise strengthens the intervertebral disc. <i>Scientific Reports</i> , 2017, 7, 45975.	3.3	66
90	Optimising conservative management of chronic low back pain: study protocol for a randomised controlled trial. <i>Trials</i> , 2017, 18, 184.	1.6	18

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91	Effect of progressive high-impact exercise on femoral neck structural strength in postmenopausal women with mild knee osteoarthritis: a 12-month RCT. <i>Osteoporosis International</i> , 2017, 28, 1323-1333.	3.1	18
92	The corticospinal responses of metronome-paced, but not self-paced strength training are similar to motor skill training. <i>European Journal of Applied Physiology</i> , 2017, 117, 2479-2492.	2.5	31
93	Treatment with soluble activin type IIB-receptor improves bone mass and strength in a mouse model of Duchenne muscular dystrophy. <i>BMC Musculoskeletal Disorders</i> , 2017, 18, 20.	1.9	23
94	Mechanical basis of bone strength: influence of bone material, bone structure and muscle action. <i>Journal of Musculoskeletal Neuronal Interactions</i> , 2017, 17, 114-139.	0.1	142
95	Voluntary Running Aids to Maintain High Body Temperature in Rats Bred for High Aerobic Capacity. <i>Frontiers in Physiology</i> , 2016, 7, 311.	2.8	10
96	Musculoskeletal Asymmetry in Football Athletes. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 1379-1387.	0.4	87
97	Efficacy of progressive aquatic resistance training for tibiofemoral cartilage in postmenopausal women with mild knee osteoarthritis: a randomised controlled trial. <i>Osteoarthritis and Cartilage</i> , 2016, 24, 1708-1717.	1.3	53
98	Concurrent transcranial direct current stimulation and progressive resistance training in Parkinson's disease: study protocol for a randomised controlled trial. <i>Trials</i> , 2016, 17, 326.	1.6	8
99	Long bone robustness during growth: A cross-sectional pQCT examination of children and young adults aged 5-29 years. <i>Bone</i> , 2016, 93, 71-78.	2.9	11
100	Influence of a School-based Physical Activity Intervention on Cortical Bone Mass Distribution: A 7-year Intervention Study. <i>Calcified Tissue International</i> , 2016, 99, 443-453.	3.1	11
101	Associations Between Step Duration Variability and Inertial Measurement Unit Derived Gait Characteristics. <i>Journal of Applied Biomechanics</i> , 2016, 32, 401-406.	0.8	2
102	Response. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 2581-2582.	0.4	0
103	Anodal transcranial direct current stimulation of the motor cortex increases cortical voluntary activation and neural plasticity. <i>Muscle and Nerve</i> , 2016, 54, 903-913.	2.2	35
104	Association between leisure time physical activity level and articular cartilage in postmenopausal women with mild knee osteoarthritis: a 12-month follow-up study after 4-month intervention. <i>Osteoarthritis and Cartilage</i> , 2016, 24, S364-S365.	1.3	1
105	Effects of Habitual Physical Activity and Fitness on Tibial Cortical Bone Mass, Structure and Mass Distribution in Pre-pubertal Boys and Girls: The Look Study. <i>Calcified Tissue International</i> , 2016, 99, 56-65.	3.1	13
106	Greater association of peak neuromuscular performance with cortical bone geometry, bone mass and bone strength than bone density: A study in 417 older women. <i>Bone</i> , 2016, 83, 119-126.	2.9	8
107	Lower Limb Progressive Resistance Training Improves Leg Strength but Not Gait Speed or Balance in Parkinson's Disease: A Systematic Review and Meta-Analysis. <i>Frontiers in Aging Neuroscience</i> , 2015, 7, 40.	3.4	20
108	Exergaming as a Viable Therapeutic Tool to Improve Static and Dynamic Balance among Older Adults and People with Idiopathic Parkinson's Disease: A Systematic Review and Meta-Analysis. <i>Frontiers in Aging Neuroscience</i> , 2015, 7, 167.	3.4	45

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109	Increased cross-education of muscle strength and reduced corticospinal inhibition following eccentric strength training. <i>Neuroscience</i> , 2015, 300, 566-575.	2.3	84
110	Effectiveness of dual-task functional power training for preventing falls in older people: study protocol for a cluster randomised controlled trial. <i>Trials</i> , 2015, 16, 120.	1.6	21
111	Motor cortex excitability is not differentially modulated following skill and strength training. <i>Neuroscience</i> , 2015, 305, 99-108.	2.3	73
112	Triceps surae fascicle stretch is poorly correlated with short latency stretch reflex size. <i>Muscle and Nerve</i> , 2015, 52, 245-251.	2.2	6
113	Neuromuscular mechanics and hopping training in elderly. <i>European Journal of Applied Physiology</i> , 2015, 115, 863-877.	2.5	14
114	Effects of bone-specific physical activity, gender and maturity on tibial cross-sectional bone material distribution: a cross-sectional pQCT comparison of children and young adults aged 5â€“29years. <i>Bone</i> , 2015, 72, 101-108.	2.9	41
115	Multibody Approach to Musculoskeletal and Joint Loading. <i>Archives of Computational Methods in Engineering</i> , 2015, 22, 237-267.	10.2	4
116	Validation of a method to measure total spontaneous physical activity of sedentary and voluntary running mice. <i>Journal of Neuroscience Methods</i> , 2014, 235, 51-58.	2.5	8
117	Tibial and Fibular Mid-Shaft Bone Traits in Young and Older Sprinters and Non-Athletic Men. <i>Calcified Tissue International</i> , 2014, 95, 132-140.	3.1	28
118	Relationship between lower limb neuromuscular performance and bone strength in postmenopausal women with mild knee osteoarthritis. <i>Journal of Musculoskeletal Neuronal Interactions</i> , 2014, 14, 418-24.	0.1	4
119	Running in a minimalist and lightweight shoe is not the same as running barefoot: a biomechanical study. <i>British Journal of Sports Medicine</i> , 2013, 47, 387-392.	6.7	209
120	Differential Effects of Exercise on Tibial Shaft Marrow Density in Young Female Athletes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2013, 98, 2037-2044.	3.6	52
121	Effects of a progressive aquatic resistance exercise program on the biochemical composition and morphology of cartilage in women with mild knee osteoarthritis: protocol for a randomised controlled trial. <i>BMC Musculoskeletal Disorders</i> , 2013, 14, 82.	1.9	26
122	Muscle Activity and Inactivity Periods during Normal Daily Life. <i>PLoS ONE</i> , 2013, 8, e52228.	2.5	104
123	Short-interval intracortical inhibition is not affected by varying visual feedback in an isometric task in biceps brachii muscle. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 68.	2.0	12
124	Mid-femoral and mid-tibial muscle cross-sectional area as predictors of tibial bone strength in middle-aged and older men. <i>Journal of Musculoskeletal Neuronal Interactions</i> , 2013, 13, 273-82.	0.1	5
125	Effect of Weighted Vest Suit Worn During Daily Activities on Running Speed, Jumping Power, and Agility in Young Men. <i>Journal of Strength and Conditioning Research</i> , 2012, 26, 3030-3035.	2.1	7
126	Effect of innervation zones in estimating biceps brachii forceâ€“EMG relationship during isometric contraction. <i>Journal of Electromyography and Kinesiology</i> , 2012, 22, 80-87.	1.7	20

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127	Maximal voluntary isokinetic knee flexion torque is associated with femoral shaft bone strength indices in knee replacement patients. <i>Knee</i> , 2012, 19, 116-119.	1.6	0
128	Age-related muscle activation profiles and joint stiffness regulation in repetitive hopping. <i>Journal of Electromyography and Kinesiology</i> , 2011, 21, 483-491.	1.7	20
129	Exercise loading and cortical bone distribution at the tibial shaft. <i>Bone</i> , 2011, 48, 786-791.	2.9	47
130	Flexible multibody approach in forward dynamic simulation of locomotive strains in human skeleton with flexible lower body bones. <i>Multibody System Dynamics</i> , 2011, 25, 395-409.	2.7	27
131	Three-month bilateral hopping intervention is ineffective in initiating bone biomarker response in healthy elderly men. <i>European Journal of Applied Physiology</i> , 2011, 111, 2155-2162.	2.5	17
132	Vertical ground reaction force measurements and video measurements provide comparable estimates of distance moved by mice during artificial light and dark periods. <i>Journal of Neuroscience Methods</i> , 2011, 197, 104-108.	2.5	4
133	The use of the flexible multibody approach for lower body skeletal loading analysis. <i>Procedia IUTAM</i> , 2011, 2, 93-100.	1.2	2
134	A full body musculoskeletal model based on flexible multibody simulation approach utilised in bone strain analysis during human locomotion. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2011, 14, 573-579.	1.6	14
135	Comments on the article titled "Component mode synthesis approach to estimate tibial strains in gait", <i>Journal of Medical Engineering & Technology</i> , 33, pp. 488-495, 2009. <i>Journal of Medical Engineering and Technology</i> , 2011, 35, 441-442.	1.4	0
136	An open source approach for regional cortical bone mineral density analysis. <i>Journal of Musculoskeletal Neuronal Interactions</i> , 2011, 11, 243-8.	0.1	38
137	Direction-Specific Diaphyseal Geometry and Mineral Mass Distribution of Tibia and Fibula: A pQCT Study of Female Athletes Representing Different Exercise Loading Types. <i>Calcified Tissue International</i> , 2010, 86, 447-454.	3.1	61
138	Cross-sectional geometry of weight-bearing tibia in female athletes subjected to different exercise loadings. <i>Osteoporosis International</i> , 2010, 21, 1687-1694.	3.1	99
139	Seventy-year-old habitual volleyball players have larger tibial cross-sectional area and may be differentiated from their age-matched peers by the osteogenic index in dynamic performance. <i>European Journal of Applied Physiology</i> , 2010, 109, 651-658.	2.5	8
140	Neuromuscular performance and body mass as indices of bone loading in premenopausal and postmenopausal women. <i>Bone</i> , 2010, 46, 964-969.	2.9	27
141	Description of joint constraints in the floating frame of reference formulation. <i>Proceedings of the Institution of Mechanical Engineers, Part K: Journal of Multi-body Dynamics</i> , 2009, 223, 133-145.	0.8	16
142	Bone rigidity to neuromuscular performance ratio in young and elderly men. <i>Bone</i> , 2009, 45, 956-963.	2.9	23
143	Innervation zone shift at different levels of isometric contraction in the biceps brachii muscle. <i>Journal of Electromyography and Kinesiology</i> , 2009, 19, 667-675.	1.7	54
144	Excitability at the Motoneuron Pool and Motor Cortex Is Specifically Modulated in Lengthening Compared to Isometric Contractions. <i>Journal of Neurophysiology</i> , 2009, 101, 2030-2040.	1.8	87

#	ARTICLE	IF	CITATIONS
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