

Mati PÃ¸Ã¸suke

List of Publications by Year in descending order

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Version: 2024-02-01

122
papers

2,272
citations

186265

28
h-index

254184

43
g-index

123
all docs

123
docs citations

123
times ranked

3437
citing authors

#	ARTICLE	IF	CITATIONS
1	Musculoskeletal disorders and associated factors among office workers in an activity-based work environment. <i>International Journal of Occupational Safety and Ergonomics</i> , 2022, 28, 2419-2425.	1.9	3
2	Structured guideline-based physiotherapy reduces difficulties in activities of daily living in Parkinson's disease. <i>NeuroRehabilitation</i> , 2022, 50, 47-56.	1.3	0
3	Effects of the COVID-19 lockdown on musculoskeletal pain, physical activity, and work environment in Estonian office workers transitioning to working from home. <i>Work</i> , 2021, 69, 741-749.	1.1	32
4	Vitamin C and E Treatment Blocks Changes in Kynurenine Metabolism Triggered by Three Weeks of Sprint Interval Training in Recreationally Active Elderly Humans. <i>Antioxidants</i> , 2021, 10, 1443.	5.1	1
5	Resistin concentration is inversely associated with objectively measured physical activity in healthy older women. <i>Aging Clinical and Experimental Research</i> , 2020, 32, 475-481.	2.9	5
6	Vitamin C and E Treatment Blunts Sprint Interval Training-Induced Changes in Inflammatory Mediator-, Calcium-, and Mitochondria-Related Signaling in Recreationally Active Elderly Humans. <i>Antioxidants</i> , 2020, 9, 879.	5.1	21
7	High variability in hip fracture post-acute care and dementia patients having worse chances of receiving rehabilitation: an analysis of population-based data from Estonia. <i>European Geriatric Medicine</i> , 2020, 11, 581-601.	2.8	4
8	Kynurenine aminotransferase isoforms display fiber-type specific expression in young and old human skeletal muscle. <i>Experimental Gerontology</i> , 2020, 134, 110880.	2.8	13
9	Determinants of Performance in the Timed up-and-go and Six-Minute Walk Tests in Young and Old Healthy Adults. <i>Journal of Clinical Medicine</i> , 2020, 9, 1561.	2.4	16
10	Statistical modeling of knee joint gear ratios. <i>Scientific and Technical Journal of Information Technologies, Mechanics and Optics</i> , 2020, 20, 446-454.	0.2	0
11	Versatile guideline-based physiotherapy intervention in groups to improve gait speed in Parkinson's disease patients. <i>NeuroRehabilitation</i> , 2019, 44, 579-586.	1.3	9
12	Estonian hip fracture data from 2009 to 2017: high rates of non-operative management and high 1-year mortality. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2019, 90, 159-164.	3.3	13
13	Ergonomic Benefits of an Angle Grinder With Rotatable Main Handle in a Cutting Task. <i>Human Factors</i> , 2019, 61, 1112-1124.	3.5	3
14	Association of interleukin-6 rs1800796 polymorphism with reduced cognitive performance in healthy older adults. <i>Meta Gene</i> , 2019, 19, 51-55.	0.6	1
15	Jump performance and thigh muscle cross-sectional area in young female rhythmic gymnasts. <i>Gazzetta Medica Italiana Archivio Per Le Scienze Mediche</i> , 2019, 178, .	0.1	0
16	Dysregulation of C-X-C motif ligand 10 during aging and association with cognitive performance. <i>Neurobiology of Aging</i> , 2018, 63, 54-64.	3.1	47
17	Associations of distinct levels of physical activity with mobility in independent healthy older women. <i>Experimental Gerontology</i> , 2018, 110, 209-215.	2.8	11
18	Handgrip Strength Cannot Be Assumed a Proxy for Overall Muscle Strength. <i>Journal of the American Medical Directors Association</i> , 2018, 19, 703-709.	2.5	82

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19	Acute effect of 10-minute jogging as warm-up on mechanical properties of triceps surae muscle and skin temperature in track-and-field athletes. <i>Medicina Dello Sport</i> , 2018, 71, .	0.1	0
20	Changes in knee extensor muscle contractile properties after cycling at constant intensity. <i>Medicina Dello Sport</i> , 2018, 71, .	0.1	0
21	Comparison of bone mineral density in adolescent male soccer and basketball players. <i>Sport Sciences for Health</i> , 2017, 13, 93-98.	1.3	1
22	Circulating levels of dickkopf-1, osteoprotegerin and sclerostin are higher in old compared with young men and women and positively associated with whole-body bone mineral density in older adults. <i>Osteoporosis International</i> , 2017, 28, 2683-2689.	3.1	27
23	Upper Extremity and Cue Kinematics, and Shoulder Muscle Electromyographic Activity of Novus Players of Different Skill Levels. <i>Journal of Applied Biomechanics</i> , 2017, 33, 124-129.	0.8	1
24	Body Composition, Neuromuscular Performance, and Mobility: Comparison Between Regularly Exercising and Inactive Older Women. <i>Journal of Aging and Physical Activity</i> , 2017, 25, 58-64.	1.0	8
25	Markers for monitoring adaptive peculiarity of the musculoskeletal system in rhythmic gymnasts with non-specific low back pain. <i>Gazzetta Medica Italiana Archivio Per Le Scienze Mediche</i> , 2017, 176, .	0.1	2
26	Modeling of locomotor system dynamics. <i>Scientific and Technical Journal of Information Technologies, Mechanics and Optics</i> , 2017, , 1159-1166.	0.2	0
27	Proliferation of Human Primary Myoblasts Is Associated with Altered Energy Metabolism in Dependence on Ageing<i>In Vivo</i> and<i>In Vitro</i>. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-10.	4.0	21
28	Work-Related Psychosocial Factors and Mental Health Problems Associated with Musculoskeletal Pain in Nurses: A Cross-Sectional Study. <i>Pain Research and Management</i> , 2016, 2016, 1-7.	1.8	58
29	Overview of Contemporary Low-cost sEMG Hardware for Applications in Human Factors and Ergonomics. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2016, 60, 408-412.	0.3	3
30	Association between osteocalcin and cognitive performance in healthy older adults. <i>Age and Ageing</i> , 2016, 45, 844-849.	1.6	46
31	The prevalence of malnutrition according to the new ESPEN definition in four diverse populations. <i>Clinical Nutrition</i> , 2016, 35, 758-762.	5.0	79
32	DYNAMIC COMPONENTS OF POSTURAL CONTROL IN WOMEN AGED 60â€“74 YEARS WITH DIFFERENT RATES OF AGEING. <i>Journal of Medical and Biological Research</i> , 2016, , 18-23.	0.0	0
33	Applicability of Affordable sEMG in Ergonomics Practice. <i>Procedia Manufacturing</i> , 2015, 3, 4260-4265.	1.9	4
34	Effects of a home-exercise therapy programme on cervical and lumbar range of motion among nurses with neck and lower back pain: a quasi-experimental study. <i>BMC Sports Science, Medicine and Rehabilitation</i> , 2015, 7, 31.	1.7	16
35	Acute effect of static and dynamic stretching on tone and elasticity of hamstring muscle and on vertical jump performance in track-and-field athletes. <i>Acta Kinesiologiae Universitatis Tartuensis</i> , 2015, 20, 48.	0.5	16
36	Gastrocnemius muscle tone, elasticity, and stiffness in association with postural control characteristics in young men. <i>Proceedings of the Estonian Academy of Sciences</i> , 2015, 64, 525.	1.5	9

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37	Functional Performance and Associations between Performance Tests and Neurological Assessment Differ in Men and Women with Parkinson's Disease. <i>Behavioural Neurology</i> , 2015, 2015, 1-7.	2.1	6
38	Plantarflexor Muscle-Tendon Properties are Associated With Mobility in Healthy Older Adults. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2015, 70, 996-1002.	3.6	54
39	Do hip fracture patients have lower prefracture functional performance compared to other elderly traumatic patients?. <i>Physiotherapy</i> , 2015, 101, e1239.	0.4	0
40	The Impact of Different Diagnostic Criteria on the Prevalence of Sarcopenia in Healthy Elderly Participants and Geriatric Outpatients. <i>Gerontology</i> , 2015, 61, 491-496.	2.8	71
41	Serum albumin and muscle measures in a cohort of healthy young and old participants. <i>Age</i> , 2015, 37, 88.	3.0	18
42	Changes in Indirect Markers of Muscle Damage and Tendons After Daily Drop Jumping Exercise with Rapid Load Increase. <i>Journal of Sports Science and Medicine</i> , 2015, 14, 825-33.	1.6	2
43	Diagnostic criteria for sarcopenia and physical performance. <i>Age</i> , 2014, 36, 275-285.	3.0	57
44	Postural stability in relation to anthropometric and functional characteristics in women with knee osteoarthritis following total knee arthroplasty. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2014, 134, 685-692.	2.4	21
45	Associations between muscle strength, spirometric pulmonary function and mobility in healthy older adults. <i>Age</i> , 2014, 36, 9667.	3.0	64
46	Sensorimotor function in preschool-aged children with expressive language disorder. <i>Research in Developmental Disabilities</i> , 2014, 35, 1237-1243.	2.2	9
47	Individual and work-related risk factors for musculoskeletal pain: a cross-sectional study among Estonian computer users. <i>BMC Musculoskeletal Disorders</i> , 2014, 15, 181.	1.9	73
48	Relationship between leg extensor muscle strength and knee joint loading during gait before and after total knee arthroplasty. <i>Knee</i> , 2014, 21, 216-220.	1.6	22
49	Circulating levels of adipokines and IGF-1 are associated with skeletal muscle strength of young and old healthy subjects. <i>Biogerontology</i> , 2013, 14, 261-272.	3.9	75
50	Physiological and functional evaluation of healthy young and older men and women: design of the European MyoAge study. <i>Biogerontology</i> , 2013, 14, 325-337.	3.9	50
51	Fonction musculaire de l'épaule chez les patients porteurs d'une épaule gelée après manipulation sous anesthésie: Étude à six mois de recul. <i>Revue De Chirurgie Orthopedique Et Traumatologique</i> , 2013, 99, 584-585.	0.0	0
52	Risk factors for musculoskeletal pain amongst nurses in Estonia: a cross-sectional study. <i>BMC Musculoskeletal Disorders</i> , 2013, 14, 334.	1.9	63
53	Shoulder muscle function in frozen shoulder syndrome patients following manipulation under anesthesia: A 6-month follow-up study. <i>Orthopaedics and Traumatology: Surgery and Research</i> , 2013, 99, 699-705.	2.0	6
54	Diagnostic measures for sarcopenia and bone mineral density. <i>Osteoporosis International</i> , 2013, 24, 2681-2691.	3.1	58

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55	Quadriceps femoris muscle function prior and after total knee arthroplasty in women with knee osteoarthritis. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2012, 20, 2017-2025.	4.2	26
56	Recovery of shoulder muscle function characteristics and active range of motion in patients with frozen shoulder after manipulation under anesthesia. <i>European Orthopaedics and Traumatology</i> , 2012, 3, 169-176.	0.1	0
57	Influence of home exercise programme on thigh muscle tone and function of knee joint before total knee arthroplasty. <i>Acta Kinesiologiae Universitatis Tartuensis</i> , 2012, 18, 119.	0.5	0
58	Shoulder Muscle Isometric Strength and Active Range of Motion in Patients With Frozen Shoulder Syndrome After Manipulation Under Anesthesia. <i>Medicina (Lithuania)</i> , 2012, 48, 49.	2.0	1
59	Leg extensor muscle voluntary isometric force production capacity in children with spastic diplegia. <i>Acta Kinesiologiae Universitatis Tartuensis</i> , 2012, 15, 48.	0.5	0
60	Motor skills, haptic perception and social abilities in children with mild speech disorders. <i>Brain and Development</i> , 2012, 34, 128-132.	1.1	12
61	Reliability and validity of a wireless microelectromechanicals based system (keimoveâ,ç) for measuring vertical jumping performance. <i>Journal of Sports Science and Medicine</i> , 2012, 11, 115-22.	1.6	27
62	Comparison of twitch contractile properties of plantarflexor muscles in Nordic combined athletes, cross-country skiers, and sedentary men. <i>European Journal of Sport Science</i> , 2011, 11, 61-67.	2.7	7
63	Relationship Between Postactivation Potentiation of Knee Extensor Muscles, Sprinting and Vertical Jumping Performance in Professional Soccer Players. <i>Journal of Strength and Conditioning Research</i> , 2011, 25, 367-373.	2.1	33
64	Motor performance and haptic perception in preschool boys with specific impairment of expressive language. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2011, 100, 1038-1042.	1.5	8
65	The effect of acute back muscle fatigue on postural control strategy in people with and without recurrent low back pain. <i>European Spine Journal</i> , 2011, 20, 2152-2159.	2.2	87
66	Ethical aspects of aging research. <i>Biogerontology</i> , 2011, 12, 491-502.	3.9	23
67	Relationships between contraction properties of knee extensor muscles and fasting IGFâ€1 and adipocytokines in physically active postmenopausal women. <i>Clinical Physiology and Functional Imaging</i> , 2010, 30, 344-348.	1.2	3
68	Research on ageing and longevity in Estonia. <i>Reviews in Clinical Gerontology</i> , 2010, 20, 154-159.	0.5	2
69	Motor performance in 5-year-old preschool children with developmental speech and language disorders. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2009, 98, 1334-1338.	1.5	13
70	Functional Performance, Maximal Strength, and Power Characteristics in Isometric and Dynamic Actions of Lower Extremities in Soccer Players. <i>Journal of Strength and Conditioning Research</i> , 2009, 23, 1391-1401.	2.1	88
71	Quadriceps Femoris Muscle Function Characteristics in Women With Early Knee Osteoarthritis: A 2-Year Exercise Therapy Study. <i>International Journal of Rehabilitation Research</i> , 2009, 32, S97-S98.	1.3	0
72	Twitch potentiation after voluntary versus electrically induced isometric contractions in human knee extensor muscles. <i>European Journal of Applied Physiology</i> , 2008, 104, 463-472.	2.5	36

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73	Quadriceps Femoris Muscle Voluntary Force and Relaxation Capacity in Children with Spastic Diplegic Cerebral Palsy. <i>Pediatric Exercise Science</i> , 2008, 20, 18-28.	1.0	13
74	Effects of Sodium Bicarbonate Ingestion on Performance and Perceptual Responses in a Laboratory-Simulated BMX Cycling Qualification Series. <i>Journal of Strength and Conditioning Research</i> , 2008, 22, 1645-1653.	2.1	36
75	Acute effects of self-selected regimen of rapid body mass loss in combat sports athletes. <i>Journal of Sports Science and Medicine</i> , 2008, 7, 210-7.	1.6	13
76	Spinal curvature and trunk muscle tone in rhythmic gymnasts and untrained girls. <i>Journal of Back and Musculoskeletal Rehabilitation</i> , 2007, 20, 87-95.	1.1	19
77	Rod-through-plate fixation of canine diaphyseal fractures. <i>Veterinary and Comparative Orthopaedics and Traumatology</i> , 2007, 20, 308-311.	0.5	4
78	Twitch contractile properties of plantarflexor muscles in young and middle-aged recreationally physically active and non-active women. <i>Aging Clinical and Experimental Research</i> , 2007, 19, 48-54.	2.9	5
79	Acute effect of percutaneous electrical stimulation of knee extensor muscles on isokinetic torque and power production performance. <i>Isokinetics and Exercise Science</i> , 2007, 15, 203-209.	0.4	4
80	Muscle contractile properties in children with spastic diplegia. <i>Brain and Development</i> , 2007, 29, 553-558.	1.1	8
81	Quadriceps femoris muscle voluntary isometric force production and relaxation characteristics before and 6 months after unilateral total knee arthroplasty in women. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2007, 15, 202-211.	4.2	46
82	Postactivation potentiation of knee extensor muscles in power- and endurance-trained, and untrained women. <i>European Journal of Applied Physiology</i> , 2007, 101, 577-585.	2.5	46
83	Changes in soleus motoneuron pool reflex excitability and surface EMG parameters during fatiguing low- vs. high-intensity isometric contractions. <i>Electromyography and Clinical Neurophysiology</i> , 2007, 47, 341-50.	0.2	5
84	Differences in gait and isokinetic strength and power characteristics of knee extensor muscles in women aged 50 and 70 years. <i>Gait and Posture</i> , 2006, 24, S272-S273.	1.4	0
85	Posttetanic Potentiation in Knee Extensors after High-Frequency Submaximal Percutaneous Electrical Stimulation. <i>Journal of Sport Rehabilitation</i> , 2005, 14, 249-257.	1.0	11
86	Relationship between leg bone mineral values and muscle strength in women with different physical activity. <i>Journal of Bone and Mineral Metabolism</i> , 2005, 23, 401-406.	2.7	18
87	Effect of Post-Tetanic Potentiation of Pectoralis and Triceps Brachii Muscles on Bench Press Performance. <i>Journal of Strength and Conditioning Research</i> , 2005, 19, 622.	2.1	4
88	Leg-Extension Strength and Chair-Rise Performance in Elderly Women with Parkinson's Disease. <i>Journal of Aging and Physical Activity</i> , 2004, 12, 511-524.	1.0	52
89	Comparison of Twitch Contractile Properties of Plantar Flexor Muscles in 9-10-Year-Old Girls and Boys. <i>Pediatric Exercise Science</i> , 2003, 15, 324-332.	1.0	9
90	Comparison of Twitch-Contractile Properties of Plantar-Flexor Muscles in Young and 52- to 63-Year-Old Men. <i>Journal of Aging and Physical Activity</i> , 2002, 10, 160-168.	1.0	4

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91	Lower limb performance in older female patients with Parkinson's disease. <i>Aging Clinical and Experimental Research</i> , 2002, 14, 185-191.	2.9	16
92	Back extensor muscle fatigability in chronic low back pain patients and controls: Relationship between electromyogram power spectrum changes and body mass index. <i>Journal of Back and Musculoskeletal Rehabilitation</i> , 2002, 16, 17-24.	1.1	12
93	Macroscopical anatomy of the so-called "rotator interval": A cadaver study on 19 shoulder joints. <i>Annals of Anatomy</i> , 2002, 184, 9-14.	1.9	38
94	Recovery of Contractile Properties of the Knee-Extensor Muscles after Arthroscopic Partial Meniscectomy. <i>Journal of Sport Rehabilitation</i> , 2001, 10, 298-307.	1.0	6
95	Knee Extensor Muscle Strength and Vertical Jumping Performance Characteristics in Pre- and Post-Pubertal Boys. <i>Pediatric Exercise Science</i> , 2001, 13, 60-69.	1.0	28
96	Age-related differences in twitch contractile properties of plantarflexor muscles in women. <i>Acta Physiologica Scandinavica</i> , 2000, 170, 51-57.	2.2	21
97	Isokinetic torque deficit of the knee extensor muscles after arthroscopic partial meniscectomy. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2000, 8, 301-304.	4.2	29
98	Twitch contraction properties of plantar flexor muscles in pre- and post-pubertal boys and men. <i>European Journal of Applied Physiology</i> , 2000, 82, 459-464.	2.5	50
99	Neuromuscular fatigue during repeated exhaustive submaximal static contractions of knee extensor muscles in endurance-trained, power-trained and untrained men. <i>Acta Physiologica Scandinavica</i> , 1999, 166, 319-326.	2.2	46
100	Twitch contractile properties of plantar flexor muscles in power and endurance trained athletes. <i>European Journal of Applied Physiology and Occupational Physiology</i> , 1999, 80, 448-451.	1.2	25
101	Impaction bone-grafting increases the holding power of cancellous screws in the femoral head : A pull-out study in human cadaver hips. <i>Acta Orthopaedica</i> , 1999, 70, 25-28.	1.4	6
102	Effect of creatine supplementation during rapid body mass reduction on metabolism and isokinetic muscle performance capacity. <i>European Journal of Applied Physiology</i> , 1998, 78, 83-92.	2.5	31
103	Gender Differences in Fundamental Movement Patterns, Motor Performances, and Strength Measurements of Prepubertal Children. <i>Pediatric Exercise Science</i> , 1995, 7, 294-304.	1.0	56
104	Musculoskeletal discomfort in production assembly workers. <i>Acta Kinesiologiae Universitatis Tartuensis</i> , 0, 18, 102.	0.5	13
105	Changes in hip muscle strength after proximal femoral fracture in elderly women. <i>Acta Kinesiologiae Universitatis Tartuensis</i> , 0, 17, 80.	0.5	3
106	Changes in electromyographic parameters during cycling exercise at constant intensity. <i>Acta Kinesiologiae Universitatis Tartuensis</i> , 0, 17, 99.	0.5	0
107	Range of motion and pain intensity of the first metatarsophalangeal joint in women with hallux valgus deformation after two-month home exercise programme. <i>Acta Kinesiologiae Universitatis Tartuensis</i> , 0, 18, 111.	0.5	9
108	Shoulder muscle electromyographic activity and stiffness in patients with frozen shoulder syndrome: six-month follow-up study. <i>Acta Kinesiologiae Universitatis Tartuensis</i> , 0, 19, 73.	0.5	3

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109	Subjective and objective assessment of neuromuscular fatigue in female painters. <i>Acta Kinesiologiae Universitatis Tartuensis</i> , 0, 14, 43.	0.5	1
110	Evaluation of work-related neuromuscular fatigue and discomfort in female sales workers. <i>Acta Kinesiologiae Universitatis Tartuensis</i> , 0, 17, 139.	0.5	1
111	Effect of home exercise programme on thigh muscle strength before total knee arthroplasty. <i>Acta Kinesiologiae Universitatis Tartuensis</i> , 0, 17, 187.	0.5	3
112	The acute effects of warm-up, static and dynamic stretching exercises on biceps brachii muscle function in female basketball players. <i>Acta Kinesiologiae Universitatis Tartuensis</i> , 0, 18, 39.	0.5	2
113	Activity of shoulder muscles during shots of different difficulty level in more and less skilled novus players. <i>Acta Kinesiologiae Universitatis Tartuensis</i> , 0, 18, 129.	0.5	1
114	Gait and muscle strength characteristics in total knee arthroplasty patients with patellofemoral pain syndrome before and six months after surgery. <i>Acta Kinesiologiae Universitatis Tartuensis</i> , 0, 17, 37.	0.5	0
115	Postural control and vertical jumping performance in adolescent and adult male basketball players. <i>Acta Kinesiologiae Universitatis Tartuensis</i> , 0, 17, 89.	0.5	2
116	Knee pain and postural stability in women with gonarthrosis before and six months after unilateral total knee replacement. <i>Acta Kinesiologiae Universitatis Tartuensis</i> , 0, 17, 175.	0.5	2
117	Rearfoot kinematics in distance runners: association with overuse injuries. <i>Acta Kinesiologiae Universitatis Tartuensis</i> , 0, 13, 7.	0.5	0
118	Influence of 3-month therapy using the neuro-orthopaedic suit Atlant on gait characteristics in preschool children with spastic cerebral palsy. <i>Acta Kinesiologiae Universitatis Tartuensis</i> , 0, 19, 98.	0.5	0
119	Motor performance in patients with knee osteoarthritis after 8-week home exercise program. <i>Acta Kinesiologiae Universitatis Tartuensis</i> , 0, 23, 74.	0.5	1
120	The effect of Estonian folk dance practice on static balance performance in young females. <i>Acta Kinesiologiae Universitatis Tartuensis</i> , 0, 26, 61-71.	0.5	0
121	Gait parameters of individuals with Parkinson disease decline during one-year period. <i>Acta Kinesiologiae Universitatis Tartuensis</i> , 0, 25, 7-18.	0.5	0
122	Thigh Muscle Activation After a Home Exercise Program in Knee Osteoarthritis Patients. <i>Physical and Occupational Therapy in Geriatrics</i> , 0, , 1-20.	0.4	0