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List of articles citing

Strength and muscle quality in a well-functioning cohort of older adults: the Health, Aging and Body Composition Study

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#	Paper	IF	Citations
388	Sarcopenia: alternative definitions and associations with lower extremity function. <i>Journal of the American Geriatrics Society</i> , 2003 , 51, 1602-9	5.6	686
387	Aging or osteoarthritis: which is the problem?. 2003 , 29, 653-73		43
386	Walking performance and cardiovascular response: associations with age and morbidity--the Health, Aging and Body Composition Study. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2003 , 58, 715-20	6.4	118
385	Muscle strength in obese elderly women: effect of recreational physical activity in a cross-sectional study. 2004 , 79, 552-7		98
384	The healthcare costs of sarcopenia in the United States. <i>Journal of the American Geriatrics Society</i> , 2004 , 52, 80-5	5.6	980
383	Isokinetic leg muscle strength in older americans and its relationship to a standardized walk test: data from the national health and nutrition examination survey 1999-2000. <i>Journal of the American Geriatrics Society</i> , 2004 , 52, 977-82	5.6	60
382	Physical frailty and body composition in obese elderly men and women. 2004 , 12, 913-20		312
381	Angiotensin-converting enzyme inhibition, body composition, and physical performance in aged rats. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2004 , 59, 416-23	6.4	56
380	Skeletal muscle cutpoints associated with elevated physical disability risk in older men and women. 2004 , 159, 413-21		781
379	Skeletal muscle fatigue, strength, and quality in the elderly: the Health ABC Study. <i>Journal of Applied Physiology</i> , 2005 , 99, 210-6	3.7	81
378	Frailty: emergence and consequences in women aged 65 and older in the Women's Health Initiative Observational Study. <i>Journal of the American Geriatrics Society</i> , 2005 , 53, 1321-30	5.6	717
377	Association of body composition and physical activity with proximal femur geometry in middle-aged and elderly Afro-Caribbean men: the Tobago bone health study. 2005 , 77, 160-6		20
376	Contributions of the ubiquitin-proteasome pathway and apoptosis to human skeletal muscle wasting with age. 2005 , 450, 437-46		124
375	Age-related quadriceps-dominant muscle atrophy and incident radiographic knee osteoarthritis. 2005 , 10, 121-6		70
374	Weight change and the conservation of lean mass in old age: the Health, Aging and Body Composition Study. 2005 , 82, 872-8; quiz 915-6		291
373	Sarcopenia, obesity, and inflammation--Results from the Trial of Angiotensin Converting Enzyme Inhibition and Novel Cardiovascular Risk Factors study. 2005 , 82, 428-434		252
372	Sarcopenia, obesity, and inflammation--results from the Trial of Angiotensin Converting Enzyme Inhibition and Novel Cardiovascular Risk Factors study. 2005 , 82, 428-34		257

371	Angiotensin-converting enzyme inhibition intervention in elderly persons: effects on body composition and physical performance. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2005 , 60, 1437-46	6.4	66
370	Age-related changes in muscles and joints. 2005 , 16, 19-39		19
369	Muscle mass, muscle strength, and muscle fat infiltration as predictors of incident mobility limitations in well-functioning older persons. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2005 , 60, 324-33	6.4	909
368	Aging of the respiratory system: impact on pulmonary function tests and adaptation to exertion. 2005 , 26, 469-84, vi-vii		159
367	Decreased muscle strength and quality in older adults with type 2 diabetes: the health, aging, and body composition study. 2006 , 55, 1813-8		481
366	Inflammatory markers and loss of muscle mass (sarcopenia) and strength. 2006 , 119, 526.e9-17		594
365	Influence of Lower-extremity Muscle Force, Muscle Mass and Asymmetry in Knee Extension Force on Gait Ability in Community-dwelling Elderly Women. 2006 , 18, 73-79		18
364	Muscle-power quality: does sex or race affect movement velocity in older adults?. 2006 , 14, 411-22		6
363	Influence of sarcopenia on the development of physical disability: the Cardiovascular Health Study. <i>Journal of the American Geriatrics Society</i> , 2006 , 54, 56-62	5.6	329
362	Osteoarthritis: epidemiology. 2006 , 20, 3-25		733
361	Strength, but not muscle mass, is associated with mortality in the health, aging and body composition study cohort. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2006 , 61, 72-7	6.4	1043
360	The loss of skeletal muscle strength, mass, and quality in older adults: the health, aging and body composition study. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2006 , 61, 1059-64	6.4	1694
359	Grip strength and physical demand of previous occupation in a well-functioning cohort of Chinese older adults. <i>Perceptual and Motor Skills</i> , 2006 , 103, 14-20	2.2	5
358	Genetic and environmental influences on skeletal muscle phenotypes as a function of age and sex in large, multigenerational families of African heritage. <i>Journal of Applied Physiology</i> , 2007 , 103, 1121-7	3.7	23
357	Loss of appendicular muscle mass and loss of muscle strength in young postmenopausal women. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2007 , 62, 330-5	6.4	76
356	Knee strength maintained despite loss of lean body mass during weight loss in older obese adults with knee osteoarthritis. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2007 , 62, 866-71	6.4	68
355	Lifelong caloric restriction and interleukin-6 secretion from adipose tissue: effects on physical performance decline in aged rats. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2007 , 62, 1082-7	6.4	19
354	Muscle mass and functional recovery in men with hip fracture. 2007 , 86, 818-25		23

353	Detection of age-related changes in thoracic structure and function by computed tomography, magnetic resonance imaging, and positron emission tomography. 2007 , 37, 103-19		17
352	Muscle quality, aerobic fitness and fat mass predict lower-extremity physical function in community-dwelling older adults. 2007 , 53, 260-6		89
351	Accelerated loss of skeletal muscle strength in older adults with type 2 diabetes: the health, aging, and body composition study. 2007 , 30, 1507-12		470
350	Disability in obese elderly women: Lower limb strength and recreational physical activity. 2007 , 1, 1-78		8
349	Strength training improves muscle quality and insulin sensitivity in Hispanic older adults with type 2 diabetes. 2006 , 4, 19-27		192
348	Obesity profiles with knee osteoarthritis: correlation with pain, disability, disease progression. 2007 , 15, 1867-74		80
347	Knee extension strength cutpoints for maintaining mobility. <i>Journal of the American Geriatrics Society</i> , 2007 , 55, 451-7	5.6	165
346	Sarcopenia: its assessment, etiology, pathogenesis, consequences and future perspectives. 2008 , 12, 433-50		623
345	Fact or friction: a model for understanding the openability of wide mouth closures. 2008 , 21, 137-147		34
344	Association between interleukin-6 and lower extremity function after hip fracture--the role of muscle mass and strength. <i>Journal of the American Geriatrics Society</i> , 2008 , 56, 1050-6	5.6	29
343	Randomized controlled trial of nutritional counseling on body composition and dietary intake in severe CKD. 2008 , 51, 748-58		61
342	The biological mechanisms of cancer-related skeletal muscle wasting: the role of progressive resistance exercise. 2008 , 10, 7-20		69
341	Association of the ACTN3 genotype and physical functioning with age in older adults. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2008 , 63, 1227-34	6.4	52
340	Effects of short-term GH supplementation and treadmill exercise training on physical performance and skeletal muscle apoptosis in old rats. 2008 , 294, R558-67		57
339	Role of the renin-angiotensin system in age-related sarcopenia and diastolic dysfunction. 2008 , 4, 37-46		13
338	Association between muscle mass and isometric muscle strength in well-functioning older men and women. 2008 , 16, 484-93		25
337	Hand force of men and women over 65 years of age as measured by maximum pinch and grip force. 2008 , 16, 24-41		41
336	Insulin resistance is associated with decreased quadriceps muscle strength in nondiabetic adults aged ≥ 70 years. 2009 , 32, 736-8		90

335	Skeletal muscle and mortality results from the InCHIANTI Study. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2009 , 64, 377-84	6.4	244
334	A biobehavioral model for the study of exercise interventions in cancer-related fatigue. 2009 , 10, 381-91		47
333	Sarcopñie : ßidñiologie, causes et consquences. 2009 , 175-187		
332	Development and validation of a short portable sarcopenia measure in the African American health project. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2009 , 64, 388-94	6.4	17
331	Physical function in older candidates for renal transplantation: an impaired population. 2009 , 4, 588-94		58
330	Changes in body composition and its relation to muscle strength in 75-year-old men and women: a 5-year prospective follow-up study of the NORA cohort in Gteborg, Sweden. <i>Nutrition</i> , 2009 , 25, 613-9	4.8	76
329	A review of the differences between normal and osteoarthritis articular cartilage in human knee and ankle joints. 2009 , 19, 171-6		31
328	Do muscle mass, muscle density, strength, and physical function similarly influence risk of hospitalization in older adults?. <i>Journal of the American Geriatrics Society</i> , 2009 , 57, 1411-9	5.6	275
327	Sensory and motor peripheral nerve function and lower-extremity quadriceps strength: the health, aging and body composition study. <i>Journal of the American Geriatrics Society</i> , 2009 , 57, 2004-10	5.6	60
326	Ultrasound measures of muscle thickness: intra-examiner reliability and influence of body position. 2009 , 29, 440-6		55
325	Longitudinal study of muscle strength, quality, and adipose tissue infiltration. 2009 , 90, 1579-85		826
324	[Sarcopenia]. 2009 , 30, 150-60		13
323	Age-related changes in total and regional fat distribution. 2009 , 8, 339-48		407
322	Sarcopenic/obesity and physical capacity in older men and women: data from the Nutrition as a Determinant of Successful Aging (NuAge)-the Quebec longitudinal Study. 2009 , 17, 2082-8		195
321	Effet du vieillissement sur les muscles : la sarcopñie. 2009 , 1, 26-30		5
320	Correcting for fat mass improves DXA quantification of quadriceps specific strength in obese adults aged 50-59 years. <i>Journal of Clinical Densitometry</i> , 2009 , 12, 299-305	3.5	10
319	The effects of 8-week balance training or weight training: For the elderly on fear of falling measures and social activity levels. 2009 , 10, 37-48		4
318	Regional muscle and whole-body composition factors related to mobility in older individuals: a review. 2009 , 61, 197-209		24

317	Sarcopenia: European consensus on definition and diagnosis: Report of the European Working Group on Sarcopenia in Older People. 2010 , 39, 412-23		6856
316	Sarcopenia. 2010 , 587-593		
315	Lean mass, muscle strength, and physical function in a diverse population of men: a population-based cross-sectional study. 2010 , 10, 508		39
314	Hand-grip strength cut points to screen older persons at risk for mobility limitation. <i>Journal of the American Geriatrics Society</i> , 2010 , 58, 1721-6	5.6	175
313	Loss of muscle strength, mass (sarcopenia), and quality (specific force) and its relationship with functional limitation and physical disability: the Concord Health and Ageing in Men Project. <i>Journal of the American Geriatrics Society</i> , 2010 , 58, 2055-62	5.6	307
312	Loss of skeletal muscle mass after stroke: a systematic review. 2010 , 5, 395-402		113
311	Inflammation in aging part 2: implications for the health of older people and recommendations for nursing practice. 2010 , 11, 253-60		26
310	Mass of intercostal muscles associates with risk of multiple exacerbations in COPD. 2010 , 104, 378-88		28
309	Global muscle dysfunction as a risk factor of readmission to hospital due to COPD exacerbations. 2010 , 104, 1896-902		76
308	Serum concentrations of myostatin and myostatin-interacting proteins do not differ between young and sarcopenic elderly men. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2011 , 66, 620-6	6.4	64
307	Exercise as an intervention for frailty. 2011 , 27, 101-10		136
306	Effet du vieillissement sur les muscles : sarcopie et camptocormie. 2011 , 11, 70-75		1
305	Obesity and knee osteoarthritis are not associated with impaired quadriceps specific strength in adults. 2011 , 3, 314-23; quiz 323		18
304	Genetic Variation and Skeletal Muscle Traits: Implications for Sarcopenia. 2011 , 223-257		1
303	Sarcopenia and obesity. 2011 , 27, 401-21		120
302	Similarities in acquired factors related to postmenopausal osteoporosis and sarcopenia. 2011 , 2011, 536735		42
301	Força muscular e densidade mineral óssea em idosos eutróficos e desnutridos. 2011 , 24, 845-852		2
300	Factors associated with adherence to an accelerometer protocol in older adults. 2011 , 8, 1152-9		9

299	Body composition, muscle strength, functional capacity, and physical disability risk in liver transplanted familial amyloidotic polyneuropathy patients. 2011 , 25, E406-14		5
298	Normative data for tests of neuromuscular performance and DXA-derived lean body mass and fat mass in pre-pubertal children. 2011 , 100, 1359-67		12
297	Assessment of analytical methods used to measure changes in body composition in the elderly and recommendations for their use in phase II clinical trials. 2011 , 15, 368-75		53
296	Differential effects of enalapril and losartan on body composition and indices of muscle quality in aged male Fischer 344 [Brown Norway rats. 2011 , 33, 167-83		34
295	Handgrip strength among older American Indians: the Native Elder Care Study. 2011 , 40, 523-7		7
294	Association between muscle mass, leg strength, and fat mass with physical function in older adults: influence of age and sex. 2011 , 23, 313-28		69
293	Association of BMD and FRAX score with risk of fracture in older adults with type 2 diabetes. 2011 , 305, 2184-92		443
292	Usefulness of preclinical models for assessing the efficacy of late-life interventions for sarcopenia. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2012 , 67, 17-27	6.4	33
291	Relationship between lower-limb muscle strength and frailty among elderly people. <i>Sao Paulo Medical Journal</i> , 2012 , 130, 102-8	1.6	30
290	Handgrip strength at midlife and familial longevity : The Leiden Longevity Study. 2012 , 34, 1261-8		16
289	Biomarkers of sarcopenia in clinical trials-recommendations from the International Working Group on Sarcopenia. 2012 , 3, 181-90		175
288	Characterizing upper limb muscle volume and strength in older adults: a comparison with young adults. 2012 , 45, 334-41		57
287	Sarcopenia and predictors of the fat free mass index in community-dwelling and assisted-living older men and women. 2012 , 35, 180-5		21
286	Relationship between muscle mass and physical performance: is it the same in older adults with weak muscle strength?. 2012 , 41, 799-803		42
285	Is grip strength a good marker of physical performance among community-dwelling older people?. 2012 , 16, 769-74		80
284	Evaluation of factors influencing grip strength in elderly koreans. 2012 , 19, 103-10		23
283	Detection of Y chromosome microdeletions and mitochondrial DNA mutations in male infertility patients. 2012 , 11, 1039-48		20
282	[Japanese translation of "Sarcopenia: European consensus on definition and diagnosis: Report of the European Working Group on Sarcopenia in Older People" with supplementary explanation by the JGS working group]. 2012 , 49, 788-805		4

281	The chest and aging: radiological findings. 2012 , 38, 656-65		11
280	Patterns and correlates of grip strength change with age in Afro-Caribbean men. 2012 , 41, 326-32		12
279	Age determines longitudinal changes in body composition better than menopausal and bone status: the OFELY study. 2012 , 27, 628-36		16
278	Evolving concepts on the age-related changes in "muscle quality". 2012 , 3, 95-109		93
277	Muscle strength and body composition are clinical indicators of osteoporosis. 2012 , 91, 131-8		62
276	Therapeutic ultrasound versus sham ultrasound for the management of patients with knee osteoarthritis: a randomized double-blind controlled clinical study. 2012 , 15, 197-206		35
275	Associations between personality traits, physical activity level, and muscle strength. 2012 , 46, 264-270		41
274	Prospective study of self-reported pain, radiographic osteoarthritis, sarcopenia progression, and falls risk in community-dwelling older adults. 2012 , 64, 30-7		78
273	Leucine and citrulline modulate muscle function in malnourished aged rats. 2012 , 42, 1425-33		43
272	Does insulin-like growth factor 1 genotype influence muscle power response to strength training in older men and women?. <i>European Journal of Applied Physiology</i> , 2012 , 112, 743-53	3-4	4
271	Toward a sex-specific relationship between muscle strength and appendicular lean body mass index?. 2013 , 4, 137-44		17
270	The influence of age, sex, bulb position, visual feedback, and the order of testing on maximum anterior and posterior tongue strength and endurance in healthy belgian adults. 2013 , 28, 159-66		80
269	Relationship between muscle mass and muscle strength, and the impact of comorbidities: a population-based, cross-sectional study of older adults in the United States. <i>BMC Geriatrics</i> , 2013 , 13, 74	4-1	98
268	Effect of β-hydroxy-β-methylbutyrate (HMB) on lean body mass during 10 days of bed rest in older adults. <i>Clinical Nutrition</i> , 2013 , 32, 704-12	5-9	181
267	Muscle strength and quality are associated with severity of menopausal symptoms in peri- and post-menopausal women. 2013 , 76, 88-94		15
266	Effect of calcium β-hydroxy-β-methylbutyrate (CaHMB) with and without resistance training in men and women 65+ yrs: a randomized, double-blind pilot trial. <i>Experimental Gerontology</i> , 2013 , 48, 1303-10	4-5	72
265	Muscle quantity is not synonymous with muscle quality. 2013 , 14, 852.e1-7		59
264	Dietary vitamin D intake and muscle mass in older women. Results from a cross-sectional analysis of the EPIDOS study. 2013 , 17, 119-24		22

263	Effects of strength training and detraining on knee extensor strength, muscle volume and muscle quality in elderly women. 2013 , 35, 1899-904		41
262	Physical strength is associated with Mini-Mental State Examination scores in Spanish institutionalized elderly. 2013 , 13, 1026-34		15
261	Resistance training and pioglitazone lead to improvements in muscle power during voluntary weight loss in older adults. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2013 , 68, 828-36	6.4	23
260	Body composition, muscle strength and quality of active elderly women according to the distance covered in the 6-minute walk test. 2013 , 17, 289-96		9
259	The impact of exercise training on liver transplanted familial amyloidotic polyneuropathy (FAP) patients. 2013 , 95, 372-7		19
258	The effects of backward adjustable thoracic support in wheelchair on spinal curvature and back muscle activation for elderly people. <i>PLoS ONE</i> , 2014 , 9, e113644	3.7	12
257	Cutpoints for low appendicular lean mass that identify older adults with clinically significant weakness. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2014 , 69, 567-75	6.4	227
256	Lean mass, muscle strength and gene expression in community dwelling older men: findings from the Hertfordshire Sarcopenia Study (HSS). 2014 , 95, 308-16		48
255	Association between insulin resistance and low relative appendicular skeletal muscle mass: evidence from a cohort study in community-dwelling older men and women participants. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2014 , 69, 871-7	6.4	36
254	Age-associated decline of muscle mass, grip strength and gait speed: a 4-year longitudinal study of 3018 community-dwelling older Chinese. 2014 , 14 Suppl 1, 76-84		100
253	Uncomplicated diabetes does not accelerate age-related sarcopenia. 2014 , 17, 205-10		10
252	Age-related site-specific muscle loss in the thigh and zigzag walking performance in older men and women. 2014 , 101, 488-95		7
251	Grip strength cutpoints for the identification of clinically relevant weakness. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2014 , 69, 559-66	6.4	300
250	An evidence-based comparison of operational criteria for the presence of sarcopenia. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2014 , 69, 584-90	6.4	250
249	Body composition, muscle capacity, and physical function in older adults: an integrated conceptual model. 2014 , 22, 441-52		64
248	Sensory and motor peripheral nerve function and incident mobility disability. <i>Journal of the American Geriatrics Society</i> , 2014 , 62, 2273-9	5.6	32
247	Impact of body mass index on the relationship between muscle quality and physical function in older women. 2014 , 18, 378-82		24
246	Sarcopenia: an independent predictor of mortality in community-dwelling older Korean men. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2014 , 69, 1244-52	6.4	116

245	Sarcopenia and nutrition. 2014 , 71, 101-36		21
244	Body mass index from age 15 years onwards and muscle mass, strength, and quality in early old age: findings from the MRC National Survey of Health and Development. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2014 , 69, 1253-9	6.4	37
243	Identifying recreational physical activities associated with muscle quality in men and women aged 50 years and over. 2014 , 5, 221-8		14
242	The FNIIH sarcopenia project: rationale, study description, conference recommendations, and final estimates. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2014 , 69, 547-58	6.4	1125
241	Physical working capacity at fatigue threshold (PWCFT) is associated with sarcopenia-related body composition and measures of functionality in older adults. 2014 , 59, 300-4		6
240	Body composition, physical performance and muscle quality of active elderly women. 2014 , 59, 44-8		21
239	Genome-wide association study identifies common loci influencing circulating glycosylated hemoglobin (HbA1c) levels in non-diabetic subjects: the Long Life Family Study (LLFS). 2014 , 63, 461-8		21
238	Muscle capacity and physical function in older women: What are the impacts of resistance training?. 2014 , 3, 179-188		30
237	Exploring the role of muscle mass, obesity, and age in the relationship between muscle quality and physical function. 2014 , 15, 303.e13-20		46
236	Sex-specific differences in risk factors for sarcopenia amongst community-dwelling older adults. 2015 , 37, 121		75
235	Effects of muscle composition and architecture on specific strength in obese older women. 2015 , 100, 1159-67		16
234	Sarcopenia Defined by Combining Height- and Weight-Adjusted Skeletal Muscle Indices is Closely Associated With Poor Physical Performance. 2015 , 23, 597-606		15
233	Association between sleep duration and mortality is mediated by markers of inflammation and health in older adults: the Health, Aging and Body Composition Study. 2015 , 38, 189-95		85
232	Sarcopenic obesity and physical performance in middle aged women: a cross-sectional study in Northeast Brazil. 2016 , 16, 43		41
231	Grip strength values stratified by age, gender, and chronic disease status in adults aged 50 years and older. 2015 , 38, 115-21		39
230	Sarcopenia: evaluation of different diagnostic criteria and its association with muscle strength and functional capacity. 2015 , 18, 285-294		4
229	The Role of Muscle Mass, Muscle Quality, and Body Composition in Risk for the Metabolic Syndrome and Functional Decline in Older Adults. 2015 , 4, 221-228		13
228	Rectus femoris (RF) ultrasound for the assessment of muscle mass in older people. 2015 , 61, 33-8		43

227	Asymmetry in CT Scan Measures of Thigh Muscle 2 Months After Hip Fracture: The Baltimore Hip Studies. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2015 , 70, 1276-80	6.4	4
226	Muscle Quality in Older Adults: What Are the Health Implications?. 2015 , 9, 130-136		11
225	Muscle strength, muscle mass, and physical disability in women with systemic lupus erythematosus. 2015 , 67, 120-7		26
224	Is knee extension strength a better predictor of functional performance than handgrip strength among older adults in three different settings?. 2015 , 60, 252-8		43
223	Muscle quality in aging: a multi-dimensional approach to muscle functioning with applications for treatment. 2015 , 45, 641-58		100
222	Intake of antioxidants and subsequent decline in physical function in a racially/ethnically diverse population. 2015 , 19, 542-7		3
221	Cross-sectional associations between different measures of obesity and muscle strength in men and women in a British cohort study. 2015 , 19, 3-11		48
220	Changes in body composition over 8 years in a randomized trial of a lifestyle intervention: the look AHEAD study. 2015 , 23, 565-72		46
219	Effects of resistance training with and without caloric restriction on physical function and mobility in overweight and obese older adults: a randomized controlled trial. 2015 , 101, 991-9		77
218	Asymmetry in CT Scan Measures of Thigh Muscle 2 Months After Hip Fracture: The Baltimore Hip Studies. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2015 , 70, 753-6	6.4	3
217	Muscle Quality and Muscle Fat Infiltration in Relation to Incident Mobility Disability and Gait Speed Decline: the Age, Gene/Environment Susceptibility-Reykjavik Study. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2015 , 70, 1030-6	6.4	41
216	Aging and Multimorbidity: New Tasks, Priorities, and Frontiers for Integrated Gerontological and Clinical Research. 2015 , 16, 640-7		217
215	Sarcopenia--The search for emerging biomarkers. 2015 , 22, 58-71		107
214	Sex-specific relationships of physical activity, body composition, and muscle quality with lower-extremity physical function in older men and women. 2015 , 22, 297-303		28
213	Association of adiposity and muscle quality with physical function differs in young and old women. 2015 , 22, 337-41		8
212	The impact of diabetes and diabetes medications on bone health. 2015 , 36, 194-213		109
211	Cardiometabolic Risk, Socio-Psychological Factors, and Trajectory of Grip Strength Among Older Japanese Adults. 2015 , 27, 1123-46		6
210	Longitudinal (4 year) change of thigh muscle and adipose tissue distribution in chronically painful vs painless knees--data from the Osteoarthritis Initiative. 2015 , 23, 1348-56		24

209	The Paulson-Lichtenberg Frailty Index: evidence for a self-report measure of frailty. 2015 , 19, 892-901		14
208	Comparison of height- and weight-adjusted sarcopenia in a Taiwanese metropolitan older population. 2015 , 15, 45-53		33
207	Strength and function response to clinical interventions of older women categorized by weakness and low lean mass using classifications from the Foundation for the National Institute of Health sarcopenia project. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2015 , 70, 202-9	6.4	34
206	Age-related changes in physical functioning: correlates between objective and self-reported outcomes. 2015 , 101, 204-13		16
205	Association between Race, Household Income and Grip Strength in Middle- and Older-Aged Adults. 2016 , 26, 493-500		21
204	Existe associa entre massa e for muscular esquelica em idosos hospitalizados?. 2016 , 19, 257-264		2
203	Sarcopenia and sarcopenic obesity. 2016 , 31, 1054-1060		128
202	Body Fat Content Does Not Affect Body-Maximal Muscle Strength. 2016 , 34, 153		1
201	The association of muscle mass and muscle strength with mobility limitation and history of falls in older adults -focusing on sarcopenia and dynapenia-. 2016 , 65, 491-501		1
200	Hyperglycemia Is Associated with Impaired Muscle Quality in Older Men with Diabetes: The Korean Longitudinal Study on Health and Aging. 2016 , 40, 140-6		64
199	Muscular Grip Strength Estimates of the U.S. Population from the National Health and Nutrition Examination Survey 2011-2012. 2016 , 30, 867-74		49
198	Serum betaine is inversely associated with low lean mass mainly in men in a Chinese middle-aged and elderly community-dwelling population. <i>British Journal of Nutrition</i> , 2016 , 115, 2181-8	3.6	8
197	Effect of Sarcopenia on Postoperative Morbidity and Mortality After Thoracolumbar Spine Surgery. 2016 , 39, e1159-e1164		50
196	The Extracellular to Intracellular Water Ratio in Upper Legs is Negatively Associated With Skeletal Muscle Strength and Gait Speed in Older People. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2017 , 72, 293-298	6.4	31
195	No effect of anti-inflammatory medication on postprandial and postexercise muscle protein synthesis in elderly men with slightly elevated systemic inflammation. <i>Experimental Gerontology</i> , 2016 , 83, 120-9	4.5	19
194	Psoas Muscle Area Predicts All-Cause Mortality After Endovascular and Open Aortic Aneurysm Repair. 2016 , 52, 764-769		58
193	Emerging roles for histone deacetylases in age-related muscle atrophy. 2016 , 4, 17-30		21
192	Muscle Quality and Myosteatosis: Novel Associations With Mortality Risk: The Age, Gene/Environment Susceptibility (AGES)-Reykjavik Study. 2016 , 183, 53-60		80

191	Perception of strength from 3D faces is linked to facial cues of physique. 2016 , 37, 217-229		32
190	Comparison of Handgrip and Leg Extension Strength in Predicting Slow Gait Speed in Older Adults. <i>Journal of the American Geriatrics Society</i> , 2016 , 64, 144-50	5.6	68
189	Age-related change in handgrip strength in men and women: is muscle quality a contributing factor?. 2016 , 38, 28		40
188	Age-related decline in muscle mass and muscle function in Flemish Caucasians: a 10-year follow-up. 2016 , 38, 36		23
187	Effects of an integrated health education and elastic band resistance training program on physical function and muscle strength in community-dwelling elderly women: Healthy Aging and Happy Aging II study. 2017 , 17, 825-833		17
186	Measurement of maximal isometric torque and muscle quality of the knee extensors and flexors in healthy 50- to 70-year-old women. 2017 , 37, 448-455		25
185	Abdominal fat distribution differently affects muscle strength of the upper and lower extremities in women. 2017 , 71, 372-376		11
184	An Old Problem: Aging and Skeletal-Muscle-Strain Injury. 2017 , 26, 180-188		6
183	Rationale for a preliminary operational definition of physical frailty and sarcopenia in the SPRINTT trial. <i>Aging Clinical and Experimental Research</i> , 2017 , 29, 81-88	4.8	50
182	Skeletal muscle changes following stroke: a systematic review and comparison to healthy individuals. 2017 , 24, 463-471		43
181	The impact of multimorbidity on grip strength in adults age 50 and older: Data from the health and retirement survey (HRS). 2017 , 72, 164-168		17
180	Age-dependent changes in physical performance and body composition in community-dwelling Japanese older adults. 2017 , 8, 607-614		54
179	Minimal dose of milk protein concentrate to enhance the anabolic signalling response to a single bout of resistance exercise; a randomised controlled trial. 2017 , 14, 17		13
178	Appendicular and whole body lean mass outcomes are associated with finite element analysis-derived bone strength at the distal radius and tibia in adults aged 40years and older. 2017 , 103, 47-54		6
177	Measurement of muscle health in aging. 2017 , 18, 901-911		25
176	Urinary Incontinence in Older Women: The Role of Body Composition and Muscle Strength: From the Health, Aging, and Body Composition Study. <i>Journal of the American Geriatrics Society</i> , 2017 , 65, 42-50 ⁵⁶		31
175	Twelve weeks of progressive resistance training combined with protein supplementation beyond habitual intakes increases upper leg lean tissue mass, muscle strength and extended gait speed in healthy older women. 2017 , 18, 881-891		22
174	Risk of Fracture in Women with Sarcopenia, Low Bone Mass, or Both. <i>Journal of the American Geriatrics Society</i> , 2017 , 65, 2673-2678	5.6	46

173	Testosterone therapy preserves muscle strength and power in aging men with type 2 diabetes-a randomized controlled trial. 2017 , 5, 946-953		14
172	Impact of Incident Heart Failure on Body Composition Over Time in the Health, Aging, and Body Composition Study Population. 2017 , 10,		13
171	Association between Adiposity and disability in the Lc65+ Cohort. 2017 , 21, 799-810		5
170	System-Subsystem Dependency Network for Integrating Multicomponent Data and Its Application to Health Sciences.. 2017 , 1, 139-156		
169	Fracture risk associated with common medications used in treating type 2 diabetes mellitus. 2017 , 74, 1143-1151		20
168	Comparison of Muscle Mass Indices Using Computed Tomography or Dual X-Ray Absorptiometry for Predicting Physical Performance in Hemodialysis Patients. 2017 , 42, 1119-1127		10
167	Catechol-O-Methyltransferase Genotype and Gait Speed Changes over 10 Years in Older Adults. <i>Journal of the American Geriatrics Society</i> , 2017 , 65, 2016-2022	5.6	11
166	Differential Characteristics of Skeletal Muscle in Community-Dwelling Older Adults. 2017 , 18, 807.e9-807.e16		56
165	Visit-to-Visit Blood Pressure Variability and Mortality and Cardiovascular Outcomes Among Older Adults: The Health, Aging, and Body Composition Study. 2017 , 30, 151-158		26
164	Reducing Undercarboxylated Osteocalcin With Vitamin K Supplementation Does Not Promote Lean Tissue Loss or Fat Gain Over 3 Years in Older Women and Men: A Randomized Controlled Trial. 2017 , 32, 243-249		20
163	Resistance training for activity limitations in older adults with skeletal muscle function deficits: a systematic review. 2017 , 12, 955-961		82
162	Effects of Brisk Walking on Physical Performance and Muscle Function in Community Dwelling Elderly Women. 2017 , 06,		
161	Reduced body weight or increased muscle quality: Which is more important for improving physical function following exercise and weight loss in overweight and obese older women?. <i>Experimental Gerontology</i> , 2018 , 108, 159-165	4.5	3
160	Anthropometric and demographic predictors of handgrip strength and lean mass quality in hospitalized individuals. <i>Clinical Nutrition ESPEN</i> , 2018 , 24, 58-61	1.3	2
159	Effects of elastic band exercise on lean mass and physical capacity in older women with sarcopenic obesity: A randomized controlled trial. 2018 , 8, 2317		53
158	Influence of Prehospital Function and Strength on Outcomes of Critically Ill Older Adults. <i>Journal of the American Geriatrics Society</i> , 2018 , 66, 525-531	5.6	9
157	Leg muscle activation patterns during walking and leg lean mass are different in children with and without developmental coordination disorder. 2018 , 73, 87-95		7
156	Percentiles for skeletal muscle index, area and radiation attenuation based on computed tomography imaging in a healthy Caucasian population. 2018 , 72, 288-296		102

155	Low blood pressure levels for fall injuries in older adults: the Health, Aging and Body Composition Study. 2018 , 15, 321-330		5
154	Muscle size, strength, power, and echo intensity, but not specific tension, are affected by age in physically active adults. 2018 , 26, 95-103		3
153	FNIH-defined Sarcopenia Predicts Adverse Outcomes Among Community-Dwelling Older People in Taiwan: Results From I-Lan Longitudinal Aging Study. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2018 , 73, 828-834	6.4	22
152	The association between calf circumference and appendicular skeletal muscle mass index of black urban women in Tlokwe City. 2018 , 23, 86-90		4
151	Racial Differences in Cause-Specific Mortality Between Community-Dwelling Older Black and White Adults. <i>Journal of the American Geriatrics Society</i> , 2018 , 66, 1980-1986	5.6	11
150	The role of oxidative and nitrosative stress in the pathology of osteoarthritis: Novel candidate biomarkers for quantification of degenerative changes in the knee joint. 2018 , 10, 7460		13
149	Application of ultrasound for muscle assessment in sarcopenia: towards standardized measurements. 2018 , 9, 739-757		60
148	Sarcopenia and Muscle Functions at Various Stages of Alzheimer Disease. 2018 , 9, 710		52
147	Muscle Strength of Lower Limbs as a Predictor of Postural Stability and Fear of Falling in Physically Active and Inactive Older Men and Women. 2018 , 34, 124-130		4
146	Identification of human skeletal muscle miRNA related to strength by high-throughput sequencing. 2018 , 50, 416-424		19
145	Knee extension strength measurements should be considered as part of the comprehensive geriatric assessment. <i>BMC Geriatrics</i> , 2018 , 18, 130	4.1	24
144	The relationship between muscle quality and incidence of falls in older community-dwelling women: An 18-month follow-up study. <i>Experimental Gerontology</i> , 2018 , 110, 241-246	4.5	24
143	Cohort Profile: The Integrated Women's Health Programme (IWHP): a study of key health issues of midlife Singaporean women. 2018 , 47, 389-390f		11
142	Strong Relation Between Muscle Mass Determined by D3-creatine Dilution, Physical Performance, and Incidence of Falls and Mobility Limitations in a Prospective Cohort of Older Men. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2019 , 74, 844-852	6.4	83
141	Strength training increases skeletal muscle quality but not muscle mass in old institutionalized adults: a randomized, multi-arm parallel and controlled intervention study. 2018 , 54, 921-933		13
140	Impact of myosteatosis in survivors of childhood acute lymphoblastic leukemia. 2019 , 60, 3097-3098		1
139	Qualitative neurological gait abnormalities, cardiovascular risk factors and functional status in older community-dwellers without neurological diseases: The Healthy Brain Project. <i>Experimental Gerontology</i> , 2019 , 124, 110652	4.5	3
138	Myosteatosis in adolescents and young adults treated for acute lymphoblastic leukemia. 2019 , 60, 3146-3153		4

137	Adipose Tissue Quality in Aging: How Structural and Functional Aspects of Adipose Tissue Impact Skeletal Muscle Quality. <i>Nutrients</i> , 2019 , 11,	6.7	28
136	Psoas and Paraspinous Muscle Measurements on Computed Tomography Predict Mortality in European Americans with Type 2 Diabetes Mellitus. <i>Journal of Frailty & Aging, the</i> , 2019 , 8, 72-78	2.6	3
135	Physical Function and Strength in Relation to Inflammation in Older Adults with Obesity and Increased Cardiometabolic Risk. 2019 , 23, 949-957		12
134	Changes in Lean Mass, Absolute and Relative Muscle Strength, and Physical Performance After Gastric Bypass Surgery. 2019 , 104, 711-720		23
133	Moderate Increase in Protein Intake Promotes a Small Additional Improvement in Functional Capacity, But Not in Muscle Strength and Lean Mass Quality, in Postmenopausal Women Following Resistance Exercise: A Randomized Clinical Trial. <i>Nutrients</i> , 2019 , 11,	6.7	6
132	A new approach to the classification of muscle health: preliminary investigations. <i>Physiological Measurement</i> , 2019 , 40, 085001	2.9	
131	Lipotoxicity, aging, and muscle contractility: does fiber type matter?. 2019 , 41, 297-308		25
130	Inadequate Protein Intake at Specific Meals Is Associated with Higher Risk of Impaired Functionality in Middle to Older Aged Mexican Adults. 2019 , 2019, 6597617		5
129	Metabolites Associated with Vigor to Frailty Among Community-Dwelling Older Black Men. <i>Metabolites</i> , 2019 , 9,	5.6	15
128	Response: Muscle strength and function rather than muscle mass in sarcopenia. <i>European Journal of Applied Physiology</i> , 2019 , 119, 1673-1674	3.4	
127	Associations of Impaired Renal Function With Declines in Muscle Strength and Muscle Function in Older Men: Findings From the CHAMP Study. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2019 , 74, 1812-1820	6.4	5
126	Physical Fitness and Body Composition in Women with Systemic Lupus Erythematosus. 2019 , 55,		4
125	Muscle quality as a complementary prognostic tool in conjunction with sarcopenia assessment in younger and older individuals. <i>European Journal of Applied Physiology</i> , 2019 , 119, 1171-1181	3.4	23
124	Association of Handgrip Strength and Muscle Mass with Dependency in (Instrumental) Activities of Daily Living in Hospitalized Older Adults -The EMPOWER Study. 2019 , 23, 232-238		21
123	Association between skeletal muscle attenuation and gastroesophageal reflux disease: A health check-up cohort study. 2019 , 9, 20102		4
122	Sarcopenia and Sarcopenic Obesity as Novel Risk Factors for Gastric Carcinogenesis: A Health Checkup Cohort Study. 2019 , 9, 1249		16
121	Scoping review of frailty in vascular surgery. 2019 , 69, 1989-1998.e2		22
120	Quadriceps Lipid Content Has Sex-Specific Associations With Whole-Muscle, Cellular, and Molecular Contractile Function in Older Adults. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2019 , 74, 1879-1886	6.4	8

119	Sarcopenia: revised European consensus on definition and diagnosis. 2019 , 48, 16-31		3263
118	Physical exercise, nutrition and hormones: three pillars to fight sarcopenia. 2019 , 22, 75-88		22
117	Body Composition Remodeling and Incident Mobility Limitations in African Ancestry Men. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2019 , 74, 400-405	6.4	5
116	Establishing the Link Between Lean Mass and Grip Strength Cut Points With Mobility Disability and Other Health Outcomes: Proceedings of the Sarcopenia Definition and Outcomes Consortium Conference. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020 , 75, 1317-1323	6.4	56
115	Heterogeneous Exposure Associations in Observational Cohort Studies: The Example of Blood Pressure in Older Adults. 2020 , 189, 55-67		
114	Quantifying and Classifying Physical Resilience Among Older Adults: The Health, Aging, and Body Composition Study. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020 , 75, 1960-1966	6.4	4
113	Five-year longitudinal changes in thigh muscle mass of septuagenarian men and women assessed with DXA and MRI. <i>Aging Clinical and Experimental Research</i> , 2020 , 32, 617-624	4.8	7
112	Osteoarthritis: A problematic disease in past human populations. A dependence between enthesal changes, body size, age, sex, and osteoarthritic changes development. 2020 , 303, 2357-2371		3
111	Relationship between tongue muscle quality and swallowing speed in community-dwelling older women. <i>Aging Clinical and Experimental Research</i> , 2020 , 32, 2073-2079	4.8	5
110	The Roles of Body Composition and Specific Strength in the Relationship Between Race and Physical Performance in Older Adults. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020 , 75, 784-791	6.4	6
109	Racial differences in gait mechanics. 2020 , 112, 110070		2
108	The impact of disease-related immobilization on thigh muscle mass and strength in older hospitalized patients. <i>BMC Geriatrics</i> , 2020 , 20, 500	4.1	2
107	High intensity interval training combined with L-citrulline supplementation: Effects on physical performance in healthy older adults. <i>Experimental Gerontology</i> , 2020 , 140, 111036	4.5	2
106	Prevalence and temporal trends of presarcopenia metrics and related body composition measurements from the 1999 to 2006 NHANES. 2020 , 10, e034495		6
105	A Call to Action: Now Is the Time to Screen Elderly and Treat Osteosarcopenia, a Position Paper of the Italian College of Academic Nutritionists MED/49 (ICAN-49). <i>Nutrients</i> , 2020 , 12,	6.7	5
104	Myosteatosis in the Context of Skeletal Muscle Function Deficit: An Interdisciplinary Workshop at the National Institute on Aging. 2020 , 11, 963		65
103	Percentiles for body composition parameters based on computed tomography in patients with endometrial cancer. <i>Nutrition</i> , 2020 , 79-80, 110873	4.8	0
102	Central and Peripheral Neuromuscular Adaptations to Ageing. 2020 , 9,		22

101	Sarcopenia Definition: The Position Statements of the Sarcopenia Definition and Outcomes Consortium. <i>Journal of the American Geriatrics Society</i> , 2020 , 68, 1410-1418	5.6	142
100	Age and sex-related decline of muscle strength across the adult lifespan: a scoping review of aggregated data. <i>Applied Physiology, Nutrition and Metabolism</i> , 2020 , 45, 1185-1196	3	10
99	Relationships between osteoarthritic changes (osteophytes, porosity, eburnation) based on historical skeletal material. 2020 , 47, 263-272		1
98	Lower-limb muscle strength: normative data from an observational population-based study. 2020 , 21, 89		18
97	Association of Dual Decline in Memory and Gait Speed With Risk for Dementia Among Adults Older Than 60 Years: A Multicohort Individual-Level Meta-analysis. 2020 , 3, e1921636		18
96	The association between sarcopenia and fracture in middle-aged and elderly people: A systematic review and meta-analysis of cohort studies. 2020 , 51, 804-811		11
95	Handgrip strength and muscle quality in Australian women: cross-sectional data from the Geelong Osteoporosis Study. 2020 , 11, 690-697		20
94	Relationship between Knee Muscle Strength and Fat/Muscle Mass in Elderly Women with Knee Osteoarthritis Based on Dual-Energy X-Ray Absorptiometry. 2020 , 17,		8
93	Health Consequences of Sarcopenic Obesity: A Narrative Review. 2020 , 11, 332		49
92	Prevalence and Risk Factors Governing the Loss of Muscle Function in Elderly Sarcopenia Patients: A longitudinal Study in China with 4 Years of Follow-Up. 2020 , 24, 518-524		8
91	Are body circumferences able to predict strength, muscle mass and bone characteristics in obesity? A preliminary study in women. 2020 , 17, 881-891		3
90	A Metabolite Composite Score Attenuated a Substantial Portion of the Higher Mortality Risk Associated With Frailty Among Community-Dwelling Older Adults. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2021 , 76, 378-384	6.4	6
89	Tests of muscle function and health related quality of life in healthy older adults in Sweden. 2021 , 29, 67-74		0
88	The Relationship Between Intermuscular Fat and Physical Performance Is Moderated by Muscle Area in Older Adults. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2021 , 76, 115-122	6.4	4
87	Current perspectives on obesity and skeletal muscle contractile function in older adults. <i>Journal of Applied Physiology</i> , 2021 , 130, 10-16	3.7	4
86	Novel metabolomics markers are associated with pre-clinical decline in hand grip strength in community-dwelling older adults. <i>Mechanisms of Ageing and Development</i> , 2021 , 193, 111405	5.6	3
85	Obesity, malnutrition, and trace element deficiency in the coronavirus disease (COVID-19) pandemic: An overview. <i>Nutrition</i> , 2021 , 81, 111016	4.8	40
84	Feasibility of substituting handgrip strength for muscle mass as a constituent standard in the Global Leadership Initiative on Malnutrition for diagnosing malnutrition in patients with gastrointestinal cancers. <i>Nutrition</i> , 2021 , 84, 111044	4.8	6

83	Physical Performance and Cognition in a Diverse Cohort: Kaiser Healthy Aging and Diverse Life Experiences (KHANDLE) Study. <i>Alzheimer Disease and Associated Disorders</i> , 2021 , 35, 23-29	2.5	1
82	Sarcopenic Obesity and Depression: A Systematic Review.. <i>Journal of Frailty & Aging,the</i> , 2022 , 11, 51-58	2.6	0
81	Falls as risk factors for fracture. 2021 , 633-646		
80	ActRIIB:ALK4-Fc alleviates muscle dysfunction and comorbidities in murine models of neuromuscular disorders. <i>Journal of Clinical Investigation</i> , 2021 , 131,	15.9	5
79	Associations Between Muscle Quality and Cognitive Function in Older Men: Cross-Sectional Data From the Geelong Osteoporosis Study. <i>Journal of Clinical Densitometry</i> , 2021 ,	3.5	0
78	Measuring muscle quality: associations between echo intensity and normalized strength and power. <i>Physiological Measurement</i> , 2021 ,	2.9	1
77	Poor health-related physical fitness performance increases the overweight and obesity risk in older adults from Taiwan. <i>BMC Geriatrics</i> , 2021 , 21, 170	4.1	1
76	Metabolic Markers Demonstrate the Heterogeneity of Myosteatosis in Community-Dwelling Older Black Men from the Health ABC Study. <i>Metabolites</i> , 2021 , 11,	5.6	
75	Is the grip force measurement suitable for assessing overall strength regardless of age and gender?. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021 , 176, 109093	4.6	2
74	Comparison of Shear Wave Elastography and Dynamometer Test in Muscle Tissue Characterization for Potential Medical and Sport Application. <i>Pathology and Oncology Research</i> , 2021 , 27, 1609798	2.6	0
73	Contractility of permeabilized rat vastus intermedius muscle fibres following high-fat, high-sucrose diet consumption. <i>Applied Physiology, Nutrition and Metabolism</i> , 2021 , 46, 1389-1399	3	1
72	The Impact of Milk Fat Globule Membrane with Exercise on Age-Related Degeneration of Neuromuscular Junctions. <i>Nutrients</i> , 2021 , 13,	6.7	1
71	Genetic Risk, Muscle Strength, and Incident Stroke: Findings From the UK Biobank Study. <i>Mayo Clinic Proceedings</i> , 2021 , 96, 1746-1757	6.4	1
70	Influencing factors for the decline of limb muscle strength and the association with all-cause mortality: evidence from a nationwide population-based cohort study. <i>Aging Clinical and Experimental Research</i> , 2021 , 1	4.8	0
69	Sarcopenia and poor muscle quality associated with severe obesity in young adults and middle-aged adults. <i>Clinical Nutrition ESPEN</i> , 2021 , 45, 299-305	1.3	1
68	Urine creatinine concentration and clinical outcomes in older adults: The Cardiovascular Health Study. <i>Journal of the American Geriatrics Society</i> , 2021 , 69, 3486-3496	5.6	
67	The effects of high adiposity on concentric and eccentric muscle performance of upper and lower limb musculature in young and older adults. <i>Applied Physiology, Nutrition and Metabolism</i> , 2021 , 46, 1047 ² 1057		
66	INERTIA: A pilot study of the impact of progressive resistance training on blood pressure control in older adults with sarcopenia. <i>Contemporary Clinical Trials</i> , 2021 , 108, 106516	2.3	0

65	Assessment of aerobic exercise capacity in obesity, which expression of oxygen uptake is the best?. <i>Sports Medicine and Health Science</i> , 2021 , 3, 138-147	4.5	1
64	Lipidomics of aging. 2021 , 391-404		0
63	Association between the handgrip strength and the isokinetic muscle function of the elbow and the knee in asymptomatic adults. <i>SAGE Open Medicine</i> , 2021 , 9, 2050312121993294	2.4	2
62	The Complex Relation between Muscle Mass and Muscle Strength. 74-103		1
61	Clinical Features of Osteoarthritis. 2009 , 1547-1561		3
60	Urinary Incontinence and Nocturia in Older Men: Associations with Body Mass, Composition and Strength in the Health ABC Study. <i>Journal of Urology</i> , 2019 , 202, 1015-1021	2.5	7
59	The relationship between jaw-opening force and the cross-sectional area of the suprahyoid muscles in healthy elderly. <i>Journal of Oral Rehabilitation</i> , 2018 , 45, 222-227	3.4	19
58	Associations of grip strength with cardiovascular, respiratory, and cancer outcomes and all cause mortality: prospective cohort study of half a million UK Biobank participants. <i>BMJ, The</i> , 2018 , 361, k1651	5.9	163
57	Platelet bioenergetics correlate with muscle energetics and are altered in older adults. <i>JCI Insight</i> , 2019 , 5,	9.9	26
56	Soluble Milk Protein Supplementation with Moderate Physical Activity Improves Locomotion Function in Aging Rats. <i>PLoS ONE</i> , 2016 , 11, e0167707	3.7	9
55	Electrical impedance myography detects age-related muscle change in mice. <i>PLoS ONE</i> , 2017 , 12, e0185614	3.7	16
54	Muscle Quality, Strength, and Lower Extremity Physical Performance in the Baltimore Longitudinal Study of Aging. <i>Journal of Frailty & Aging, the</i> , 2017 , 6, 183-187	2.6	14
53	Relationship between lower-limb muscle strength and functional independence among elderly people according to frailty criteria: a cross-sectional study. <i>Sao Paulo Medical Journal</i> , 2014 , 132, 282-9	1.6	19
52	Mediterranean Diet attenuates risk of frailty and sarcopenia: New insights and future directions. <i>JCSM Clinical Reports</i> , 2017 , 2,	1.5	10
51	Age- and sex-related differences in myosin heavy chain isoforms and muscle strength, function, and quality: a cross sectional study. <i>Journal of Exercise Nutrition & Biochemistry</i> , 2018 , 22, 43-50	1.2	5
50	GRIP STRENGTH AND PHYSICAL DEMAND OF PREVIOUS OCCUPATION IN A WELL-FUNCTIONING COHORT OF CHINESE OLDER ADULTS. <i>Perceptual and Motor Skills</i> , 2006 , 103, 14	2.2	1
49	The effect of blood glucose regulation on sarcopenia parameters in obese and diabetic patients. <i>Turkish Journal of Physical Medicine and Rehabilitation</i> , 2018 , 64, 72-79	1.1	3
48	Muscle quality index and isometric strength in older adults with hip osteoarthritis. <i>PeerJ</i> , 2019 , 7, e74713	3.1	9

47	Associations between lower extremity muscle mass and metabolic parameters related to obesity in Japanese obese patients with type 2 diabetes. <i>PeerJ</i> , 2015 , 3, e942	3.1	13
46	Lean mass as a risk factor for intensive care unit admission: an observational study. <i>Critical Care</i> , 2021 , 25, 364	10.8	3
45	Adverse Outcomes and Functional Consequences of Sarcopenia. 114-124		1
44	The Effects of Aging on Body Composition, Leg Power and Balance Performance Among Malaysian Women. 2014 , 59-68		
43	The aging wrist and hand. 2014 , 458-460		0
42	Obesity, Osteoarthritis and Pain. <i>Advances in Obesity Weight Management & Control</i> , 2014 , 2, 1-6	0.3	1
41	Obesity, osteoarthritis and pain. <i>Advances in Obesity Weight Management & Control</i> , 2015 , 2,	0.3	
40	Comparative Analysis of Physical Fitness, Blood Lipids, and Insulin Resistance According to Body Mass Index and Percent Body Fat in 20s Females. <i>Korean Journal of Sport Science</i> , 2015 , 26, 230-242	0.1	1
39	Sarcopenia: The Concept and Its Definitions. 2016 , 3-11		1
38	Sağlık Risklerinin Değerlendirilmesinde Vücut Kütlesi İndeksinin Kullanımı Yeterli midir?. <i>Bozok Tıp Dergisi</i> ,	0	
37	Osteoarthritis is a problematic skeletal trait in past human populations. Osteoarthritic changes vs. enthesal changes in the late medieval and early modern population from Ekno. <i>Anthropological Review</i> , 2020 , 83, 143-161	0.6	0
36	Comparison of methods to identify individuals with obesity at increased risk of functional impairment among a population of home-dwelling older adults. <i>British Journal of Nutrition</i> , 2021 , 1-8	3.6	
35	Skeletal Muscle Function Deficits in the Elderly: Current Perspectives on Resistance Training. <i>Journal of Nature and Science</i> , 2017 , 3,		12
34	The Interplay Between Quality of Life and Resilience Factors in Later Life: A Network Analysis. <i>Frontiers in Psychology</i> , 2021 , 12, 752564	3.4	1
33	Effect of GLIM-defined malnutrition on postoperative clinical outcomes in patients with colorectal cancer.. <i>Japanese Journal of Clinical Oncology</i> , 2022 ,	2.8	2
32	Osteosarcopenia. 2022 , 95-142		1
31	Performance of the Fracture Risk Assessment Tool Associated with Muscle Mass Measurements and Handgrip to Screen for the Risk of Osteoporosis in Young Postmenopausal Women.. <i>Revista Brasileira De Ginecologia E Obstetricia</i> , 2022 , 44, 32-39	1.1	
30	Racial differences in running and landing measures associated with injury risk vary by sex.. <i>Sports Biomechanics</i> , 2022 , 1-19	2.2	

29	Single skeletal muscle fiber mechanical properties: a muscle quality biomarker of human aging.. <i>European Journal of Applied Physiology</i> , 2022 , 1	3.4	4
28	Segmental bioelectrical impedance spectroscopy: A novel field assessment of muscle size and quality in normal weight and obese older men.. <i>Experimental Gerontology</i> , 2022 , 162, 111745	4.5	0
27	Collagen type II: From biosynthesis to advanced biomaterials for cartilage engineering. <i>Biomaterials and Biosystems</i> , 2021 , 4, 100030		1
26	The utility of the ultrasonographic assessment of the lower leg muscles to evaluate sarcopenia and muscle quality in older adults. <i>JCSM Clinical Reports</i> , 2021 , 6, 53-61	1.5	0
25	Implications of Race and Ethnicity in Sarcopenia US National Prevalence of Sarcopenia by Muscle Mass, Strength, and Function Indices.. 2021 , 4,		
24	A Simplified Approach for Classifying Physical Resilience among Community-Dwelling Older Adults: The Health, Aging, and Body Composition Study. <i>Journal of Frailty & Aging</i> , 2021 , 1	2.6	0
23	Sex and population-specific cutoff values of muscle quality index: Results from NHANES 2011-2014.. <i>Clinical Nutrition</i> , 2022 , 41, 1328-1334	5.9	0
22	Factors associated with the progression of myosteatosis in patients with cirrhosis. <i>Nutrition</i> , 2022 , 111778		1
21	Use of Dual-Energy X-ray Absorptiometry for Body Composition in Chronic Disease Management. <i>Journal of Korean Diabetes</i> , 2022 , 23, 97-105	0.1	
20	Randomised Controlled Trial of Fish Oil Supplementation on Responsiveness to Resistance Exercise Training in Sarcopenic Older Women. <i>Nutrients</i> , 2022 , 14, 2844	6.7	2
19	Association Between Thigh Muscle Fat Infiltration and Incident Heart Failure. <i>JACC: Heart Failure</i> , 2022 , 10, 485-493	7.9	0
18	Perturbation-Induced Protective Arm Responses: Effect of Age, Perturbation-Intensity, and Relationship with Stepping Stability: A Pilot Study. 2022 , 12, 953		
17	Effect of Pinoselin and Vanillic Acid Isolated from <i>Catalpa bignonioides</i> on Mouse Myoblast Proliferation via the Akt/mTOR Signaling Pathway. 2022 , 27, 5397		
16	Deep learning predicts all-cause mortality from longitudinal total-body DXA imaging. 2022 , 2,		
15	Intermittent Blood flow restriction exercise rapidly improves muscular and cardiovascular health in adults with beyond adequate protein intakes. 2022 , 199, 224-231		
14	Association of fat mass index versus appendicular lean mass index with physical function in The Yishun Study. 2022 , 2, 100097		0
13	Muscle function and functional performance after pulmonary rehabilitation in patients with chronic obstructive pulmonary disease: a prospective observational study. 2022 , 12,		0
12	A Multisystem Physiological Perspective of Human Frailty and Its Modulation by Physical Activity.		2

- 11 Sex- and age-related differences in body composition of healthy aging men and women. **2022**, 181, ○
- 10 Association between muscle mass quantity and quality and muscle strength in adults with obesity. ○
- 9 Physical mobility determinants among older adults: a scoping review of self-reported and performance-based measures. 1-18 ○
- 8 Hand grip strength should be normalized by weight not height for eliminating the influence of individual differences: Findings from a cross-sectional study of 1,511 healthy undergraduates. 9, ○
- 7 Empathy and Attitude upon An Aged Body: Aged Simulation Suit Among Undergraduate Physiotherapy Students. ○
- 6 Serum Metabolome Adaptations Following 12 Weeks of High-Intensity Interval Training or Moderate-Intensity Continuous Training in Obese Older Adults. **2023**, 13, 198 ○
- 5 Muscle Quality in Older Adults: A Scoping Review. **2023**, 24, 462-467.e12 ○
- 4 Muscle performance in octogenarians: Factors affecting dynapenia. **2023**, ○
- 3 Dynapenia, Muscle Quality, and Hepatic Steatosis in Patients with Obesity and Sarcopenic Obesity. **2023**, 11, 472 ○
- 2 Influence of aspirin on aging skeletal muscle: Insights from a cross-sectional cohort of septuagenarians. **2023**, 11, ○
- 1 The Clinical Phenotype of Binge Eating Disorder among Postmenopausal Women: A Pilot Study. **2023**, 15, 2087 ○