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**Skeletal muscle mass and distribution in 468 men and women aged 18-88 yr**

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1860	Muscle architectural characteristics in women aged 20-79 years. <b>2003</b> , 35, 39-44		72
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1746	The effects of respiratory-muscle training on exercise in older women. <b>2008</b> , 16, 245-60		26
1745	Effects of an oral ghrelin mimetic on body composition and clinical outcomes in healthy older adults: a randomized trial. <b>2008</b> , 149, 601-11		176
1744	Associaçã entre risco de disfagia e risco nutricional em idosos internados em hospital universitário de Brasília. <b>2008</b> , 21, 411-421		8
1743	Age and Sex Differences in the Levels of Muscular Activities during Daily Physical Actions. <b>2008</b> , 6, 169-181		10
1742	Personalised genetic intervention for Duchenne muscular dystrophy: antisense oligomers and exon skipping. <b>2009</b> , 2, 110-21		17
1741	Avaliaçã da cifose torçica em mulheres idosas portadoras de osteoporose por meio da biofotogrametria computadorizada. <b>2009</b> , 13, 205-209		10
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1196	Present Uses, Future Applications, and Technical Underpinnings of Electrical Impedance Myography. <b>2017</b> , 17, 86	35
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1192	Technical advantage of recombinant collagenase for isolation of muscle stem cells. <b>2017</b> , 7, 1-7	1



1191	The effects of Suramin on Ca activated force and sarcoplasmic reticulum Ca release in skinned fast-twitch skeletal muscle fibers of the rat. <b>2017</b> , 5, e13333	3
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1189	Evaluation and Classification of Aging. <b>2017</b> , 39-56	
1188	Bioinductive ScaffoldsâPowerhouses of Skeletal Muscle Tissue Engineering. <b>2017</b> , 5, 279-288	
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1185	Sex Differences in Muscle Wasting. <b>2017</b> , 1043, 153-197	80
1184	Stem Cell Microenvironments and Beyond. <b>2017</b> ,	1
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1176	Age differences in dynamic fatigability and variability of arm and leg muscles: Associations with physical function. <b>2017</b> , 87, 74-83	39
1175	Frailty, Sarcopenia, Falls and Fractures. <b>2017</b> , 47-61	5
1174	Diet Modeling in Older Americans: The Impact of Increasing Plant-Based Foods or Dairy Products on Protein Intake. <b>2017</b> , 21, 673-680	7

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1172	Lumbar Mobility and Performance-Based Function: An Investigation in Older Adults with and without Chronic Low Back Pain. <b>2017</b> , 18, 161-168	20
1171	Biofeedback Technologies for Wireless Body Area Networks. <b>2017</b> , 659-686	0
1170	Impact of Aging on Endurance and Neuromuscular Physical Performance: The Role of Vascular Senescence. <b>2017</b> , 47, 583-598	25
1169	Associations between body composition, physical capabilities and pulmonary function in healthy older adults. <b>2017</b> , 71, 389-394	12
1168	Sex- and age-specific percentiles of body composition indices for Chinese adults using dual-energy X-ray absorptiometry. <b>2017</b> , 56, 2393-2406	15
1167	Predicting Functional Capacity From Measures of Muscle Mass in Postmenopausal Women. <b>2017</b> , 9, 596-602	6
1166	The effects of 12 weeks Pilates-inspired exercise training on functional performance in older women: A randomized clinical trial. <b>2017</b> , 21, 251-258	27
1165	The influence of muscle pennation angle and cross-sectional area on contact forces in the ankle joint. <b>2017</b> , 52, 12-23	14
1164	Electrical Impedance Myography and Its Applications in Neuromuscular Disorders. <b>2017</b> , 14, 107-118	63
1163	Cardiorespiratory fitness and aerobic performance adaptations to a 4-week sprint interval training in young healthy untrained females. <b>2017</b> , 13, 17-23	11
1162	The Prevalence and Body Site Distribution of Stress Fractures among Female Combat Soldiers in the Israeli Defense Forces: A Cross-Sectional Study. <b>2017</b> , 1, 1-4	2
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1154	Pitx2 in Embryonic and Adult Myogenesis. <b>2017</b> , 5, 46	27
1153	Biological Aging and Life Span Based on Entropy Stress via Organ and Mitochondrial Metabolic Loading. <b>2017</b> , 19, 566	4
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1147	Link between blood flow and muscle protein metabolism in elderly adults. <b>2017</b> , 6, 25-31	5
1146	MRI-defined paraspinal muscle morphology in Japanese population: The Wakayama Spine Study. <b>2017</b> , 12, e0187765	39
1145	Exercise Physiology in Men and Women. <b>2017</b> , 525-542	3
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1140	A Combined and Intensive Exercise Model Improves Physical Capacity in Cardiac Patients. <b>2017</b> , 07,	
1139	Arsenic and Obesity: A Comparison of Urine Dilution Adjustment Methods. <b>2017</b> , 125, 087020	37
1138	Epidemiology of Sarcopenia and Frailty. <b>2017</b> ,	2

1137	Interaction Between Diet and Physical Activity in Older People. <b>2017</b> , 185-201	1
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1132	Skeletal Muscle Function in the Oldest-Old: The Role of Intrinsic and Extrinsic Factors. <b>2018</b> , 46, 188-194	17
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1130	Response to: "The use of ultrasound for the estimation of muscle mass: one site fits most?". <b>2018</b> , 9, 627-628	1
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1128	Age-Related Slowing of Contractile Properties Differs Between Power, Endurance, and Nonathletes: A Tensiomyographic Assessment. <b>2018</b> , 73, 1602-1608	18
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1125	The study of surface electromyography used for the assessment of abductor hallucis muscle activity in patients with hallux valgus. <b>2018</b> , 34, 846-851	3
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1123	Atypical Skeletal Muscle Profiles in Human Immunodeficiency Virus-Infected Asymptomatic Middle-Aged Adults. <b>2018</b> , 66, 1918-1927	23
1122	Predicting Basal Metabolic Rate in Men with Motor Complete Spinal Cord Injury. <b>2018</b> , 50, 1305-1312	20
1121	Mild Jugular Compression Collar Ameliorated Changes in Brain Activation of Working Memory after One Soccer Season in Female High School Athletes. <b>2018</b> , 35, 1248-1259	11
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1114	In Vitro Tissue-Engineered Skeletal Muscle Models for Studying Muscle Physiology and Disease. <b>2018</b> , 7, e1701498	44
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1110	Muscle morphology and performance in master athletes: A systematic review and meta-analyses. <b>2018</b> , 45, 62-82	47
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1108	The vitamin D receptor expression in skeletal muscle of women with distal radius fracture. <b>2018</b> , 13, 24	6
1107	Skeletal Muscle Dysfunction in Chronic Obstructive Pulmonary Disease. What We Know and Can Do for Our Patients. <b>2018</b> , 198, 175-186	98
1106	Population-based study of age- and sex-related differences in muscle density and size in thoracic and lumbar spine: the Framingham study. <b>2018</b> , 29, 1569-1580	26
1105	Overuse Injuries Among Female Combat Warriors in the Israeli Defense Forces: A Cross-sectional Study. <b>2018</b> , 183, e610-e616	4
1104	Sex Differences in World-Record Performance: The Influence of Sport Discipline and Competition Duration. <b>2018</b> , 13, 2-8	53
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1102	Adding Soy Protein to Milk Enhances the Effect of Resistance Training on Muscle Strength in Postmenopausal Women. <b>2018</b> , 15, 140-152	16

1101	Influence of gender, BMI and body shape on theoretical injection outcome at the ventrogluteal and dorsogluteal sites. <b>2018</b> , 27, e242-e250	5
1100	Short- and long-term reliability of leg extensor power measurement in middle-aged and older adults. <b>2018</b> , 36, 970-977	17
1099	Analysis of USA Powerlifting Federation Data From January 1, 2012-June 11, 2016. <b>2018</b> , 32, 1843-1851	27
1098	The Effects of Moderate- Versus High-Load Resistance Training on Muscle Growth, Body Composition, and Performance in Collegiate Women. <b>2018</b> , 32, 1511-1524	14
1097	Frailty and sarcopenia do not predict adverse events in an elderly population undergoing non-complex primary elective surgery for degenerative conditions of the lumbar spine. <b>2018</b> , 18, 245-254	45
1096	The Pathophysiology of the Male Aging Face and Body. <b>2018</b> , 36, 1-4	5
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1094	Sarcopenia Is Associated with Quality of Life and Depression in Patients with Advanced Cancer. <b>2018</b> , 23, 97-104	83
1093	Hierarchical signaling transduction of the immune and muscle cell crosstalk in muscle regeneration. <b>2018</b> , 326, 2-7	6
1092	Oral nutritional support with or without exercise in the management of malnutrition in nutritionally vulnerable older people: A systematic review and meta-analysis. <b>2018</b> , 37, 1879-1891	18
1091	Decrease in toe pinch force in male type 2 diabetic patients with diabetic nephropathy. <b>2018</b> , 22, 647-652	2
1090	The Use of Neurotoxins in the Male Face. <b>2018</b> , 36, 29-42	6
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693	Site-specific skeletal muscle echo intensity and thickness differences in subcutaneous adipose tissue matched older and younger adults. <b>2021</b> , 41, 156-164	2
692	Computed Tomography Evaluation of Forearm and Hand Muscles in Patients With Distal Radius Fracture. <b>2021</b> , 24, 88-93	1
691	Evaluation of myostatin as a possible regulator and marker of skeletal muscle-cortical bone interaction in adults. <b>2021</b> , 39, 404-415	0
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684	Ribosome biogenesis and degradation regulate translational capacity during muscle disuse and reloading. <b>2021</b> , 12, 130-143	13
683	Combined Associations of Work and Leisure Time Physical Activity on Incident Diabetes Risk. <b>2021</b> , 60, e149-e158	2
682	Chemotherapy triggers cachexia by deregulating synergetic function of histone-modifying enzymes. <b>2021</b> , 12, 159-176	4
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674	Adversary effects and the tactics of violent offenders. <b>2021</b> , 47, 99-110	2
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672	Olfactory-cognitive index distinguishes involvement of frontal lobe shrinkage, as in sarcopenia from shrinkage of medial temporal areas, and global brain, as in Kihon Checklist frailty/dependence, in older adults with progression of normal cognition to Alzheimer's disease. <b>2021</b> , 21, 291-298	1
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631	Muscle-Specific Promoters for Gene Therapy. <b>2021</b> , 13, 47-58	1
630	Ergonomic assessment of musculoskeletal risk among a sample of Portuguese emergency medical technicians. <b>2021</b> , 82, 103077	1
629	Age- and Sex-Related Differential Associations between Body Composition and Diabetes Mellitus. <b>2021</b> , 45, 183-194	2
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625	Differences in toe flexor strength and foot morphology between wheelchair dependent and ambulant older people in long-term care: a cross-sectional study. <b>2021</b> , 14, 17	
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623	Variants in NEB and RIF1 genes on chr2q23 are associated with skeletal muscle index in Koreans: genome-wide association study. <b>2021</b> , 11, 2333	1
622	Bigger is not always better: Viability selection on body mass varies across life stages in a hibernating mammal. <b>2021</b> , 11, 3435-3445	
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620	Persistent Uncontrolled Asthma: Long-Term Impact on Physical Activity and Body Composition. <b>2021</b> , 14, 229-240	2
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616	The use of alternate vertebral levels to L3 in computed tomography scans for skeletal muscle mass evaluation and sarcopenia assessment in patients with cancer: a systematic review. <b>2021</b> , 1-14	10



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610	Molecular basis of F-actin regulation and sarcomere assembly via myotilin. <b>2021</b> , 19, e3001148	3
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603	Post-Transcriptional Regulation in Skeletal Muscle Development, Repair, and Disease. <b>2021</b> , 27, 469-481	5
602	Differences in the mass and quality of the quadriceps with age and sex and their relationships with knee extension strength. <b>2021</b> , 12, 900-912	7
601	Can physical activity levels and relationships with energy expenditure change the clinical aspects of sarcopenia and perceptions of falls among elderly women? Observational cross-sectional study. <b>2021</b> , 139, 285-292	1
600	Sarcopenic Characteristics of Active Older Adults: a Cross-Sectional Exploration. <b>2021</b> , 7, 32	0
599	Efficacy and safety of a simple home-based resistance exercise program for older adults with low muscle mass: a prospective longitudinal clinical trial. <b>2021</b> , 44, 241-247	0
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596	Sarcopenia is associated with incident Alzheimer's dementia, mild cognitive impairment, and cognitive decline. <b>2021</b> , 69, 1826-1835	14
595	Maintenance of Skeletal Muscle to Counteract Sarcopenia in Patients with Advanced Chronic Kidney Disease and Especially Those Undergoing Hemodialysis. <b>2021</b> , 13,	2
594	Skeletal muscle properties and vascular function do not differ between healthy, young vegan and omnivorous men. <b>2021</b> , 1-10	1
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584	Sarcopenia and Appendicular Muscle Mass as Predictors of Impaired Fasting Glucose/Type 2 Diabetes in Elderly Women. <b>2021</b> , 13,	4
583	Protective effects of farnesyltransferase inhibitor on sepsis-induced morphological aberrations of mitochondria in muscle and increased circulating mitochondrial DNA levels in mice. <b>2021</b> , 556, 93-98	2
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575	Myofascial Release of the Hamstrings Improves Physical Performance-A Study of Young Adults. <b>2021</b> , 9,	3
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573	Adherence to a Mediterranean diet and health-related quality of life: a cross-sectional analysis of overweight and obese middle-aged and older adults with and without type 2 diabetes mellitus. <b>2021</b> , 1-7	1
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570	Resistance Training With Partial Blood Flow Restriction in a 99-Year-Old Individual: A Case Report. <b>2021</b> , 3, 671764	1
569	Sex-Specific Hip Movement Is Correlated With Pelvis and Upper Body Rotation During Running. <b>2021</b> , 9, 657357	2
568	Matrisome, innervation and oxidative metabolism affected in older compared with younger males with similar physical activity. <b>2021</b> , 12, 1214-1231	2
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566	Dynamic evaluation of facial muscles: 3D skin displacement vector analysis using a facial painting model. <b>2021</b> , 6, 650-656	
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563	Can fat-free mass gains induced by dry-land resistance training periodization affect negatively swimming performance?. 1	
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559	Male-Female Differences in Push-up Test Performance at Various Cadences. <b>2021</b> ,	1
558	The Role of Cervical Muscles Morphology in the Surgical Treatment of Degenerative Disc Disease: Clinical Correlations Based on Magnetic Resonance Imaging Studies. <b>2021</b> , 13, 367-376	0
557	Towards bioengineered skeletal muscle: recent developments in vitro and in vivo. <b>2021</b> , 65, 555-567	1
556	Relationship between arm-to-leg and limbs-to-trunk body composition ratio and cardiovascular disease risk factors. <b>2021</b> , 11, 17414	1
555	Body surface area may explain sex differences in findings from the oral glucose tolerance test among subjects with normal glucose tolerance. <b>2021</b> , 31, 2678-2684	2
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552	An exploration of normative values in New Zealand to inform the Targeted Interventions for Patellofemoral Pain approach. <b>2021</b> , 54, 102399	1
551	Serum albumin levels as a predictive biomarker for low-load resistance training programs' effects on muscle thickness in the community-dwelling elderly Japanese population: interventional study result. <b>2021</b> , 21, 464	1
550	The prevalence of sarcopenia and relationships between dietary intake and muscle mass in head and neck cancer patients undergoing radiotherapy: A longitudinal study. <b>2021</b> , 53, 101943	3
549	Assessment of sarcopenia in patients with fibromyalgia. <b>2021</b> , 1	2
548	Skin biomechanical properties and leg volume in aging healthy adults. <b>2021</b> ,	
547	Longitudinal study of risk factors for decreased cross-sectional area of psoas major and paraspinal muscle in 1849 individuals. <b>2021</b> , 11, 16986	2
546	The effect of limb position on measured values of vastus lateralis muscle morphology using B Mode ultrasound.	1
545	Impaired skeletal muscle hypertrophy signaling and amino acid deprivation response in Apoe knockout mice with an unhealthy lipoprotein distribution. <b>2021</b> , 11, 16423	
544	Handgrip strength: Normative reference values in males and females aged 6-64 Years old in a Colombian population. <b>2021</b> , 44, 379-386	1

543	Urine creatinine concentration and clinical outcomes in older adults: The Cardiovascular Health Study. <b>2021</b> , 69, 3486-3496	
542	Characteristics of the Passive Muscle Stiffness of the Vastus Lateralis: A Feasibility Study to Assess Muscle Fibrosis. <b>2021</b> , 18,	0
541	Electrical Impedance Myography in Health and Physical Exercise: A Systematic Review and Future Perspectives. <b>2021</b> , 12, 740877	3
540	Gender-based comparison of factors affecting regular exercise of patients with Non-Insulin Dependent Diabetes Mellitus (NIDDM) based on the 7th Korea National Health and Nutrition Examination Survey (KNHANES). <b>2021</b> , 16, e0257822	1
539	Arsenic Secondary Methylation Capacity Is Inversely Associated with Arsenic Exposure-Related Muscle Mass Reduction. <b>2021</b> , 18,	2
538	Glenohumeral joint and muscles functions during a lifting task. <b>2021</b> , 126, 110641	0
537	A predictive model for hip abductor strength and knee extensor strength 12 months after total hip arthroplasty with an interaction term. <b>2021</b> , 22, 827	0
536	Group IIA secreted phospholipase A2 (PLA2G2A) augments adipose tissue thermogenesis. <b>2021</b> , 35, e21881	2
535	Mild Cognitive Impairment and Donepezil Impact Mitochondrial Respiratory Capacity in Skeletal Muscle. <b>2021</b> , 2, zqab045	4
534	Coupling of shoulder joint torques in individuals with chronic stroke mirrors controls, with additional non-load-dependent negative effects in a combined-torque task. <b>2021</b> , 18, 134	
533	The effect of gender on intramuscular pressure in patients with chronic exertional compartment syndrome of the lower leg. <b>2021</b> ,	3
532	Resistance exercise and nutritional interventions for augmenting sarcopenia outcomes in chronic kidney disease: a narrative review. <b>2021</b> ,	4
531	Development and Evaluation of a Muscle Atrophy Scoring System (MASS) for Horses.. <b>2021</b> , 110, 103771	3
530	Older males exhibit reduced anterior upper leg and anterior abdominal muscle thickness compared to younger males when matched for relative appendicular lean tissue. <b>2021</b> , 96, 104483	0
529	Polystyrene microplastics-induced ROS overproduction disrupts the skeletal muscle regeneration by converting myoblasts into adipocytes. <b>2021</b> , 417, 125962	19
528	Nutritional status and physical performance using handgrip and SPPB tests in hospitalized older adults. <b>2021</b> , 40, 5547-5555	
527	Biomechanical Analysis of Gait Compensation Strategies as a Result of Muscle Restriction. <b>2021</b> , 11, 8344	1
526	MUSTN1 is an indispensable factor in the proliferation, differentiation and apoptosis of skeletal muscle satellite cells in chicken. <b>2021</b> , 407, 112833	0

525	Associations of alpha-actinin-3 genotype with thigh muscle volume and physical performance in older adults with sarcopenia or pre-sarcopenia. <b>2021</b> , 154, 111525	1
524	Nutrients with anabolic/anticatabolic, antioxidant, and anti-inflammatory properties: Targeting the biological mechanisms of aging to support musculoskeletal health. <b>2021</b> , 154, 111521	3
523	Feeding female soldiers: Consideration of sex-specific nutrition recommendations to optimise the health and performance of military personnel. <b>2021</b> , 24, 995-1001	0
522	Comparison of metabolic risk factors, physical performances, and prevalence of low back pain among categories determined by visceral adipose tissue and trunk skeletal muscle mass in middle-aged men. <b>2021</b> , 155, 111554	1
521	Aging, obesity, sarcopenia and the effect of diet and exercise intervention. <b>2021</b> , 155, 111561	6
520	Preparing for the long-haul: Autonomic complications of COVID-19. <b>2021</b> , 235, 102841	14
519	Is there an interdependence between paraspinal muscle mass and lumbar disc degeneration? A MRI based study at 2520 levels in 504 patients. <b>2021</b> , 22, 101576	1
518	Shared and distinct mechanisms of skeletal muscle atrophy: A narrative review. <b>2021</b> , 71, 101463	1
517	Psoas muscle index predicts osteoporosis and fracture risk in individuals with degenerative spinal disease. <b>2022</b> , 93, 111428	2
516	Introduction. <b>2021</b> , 1-14	
515	Effects of Functional Strength Training on Functional Movement and Balance in Middle-Aged Adults. <b>2021</b> , 13, 1074	1
514	Fall Risk and the Use of Exercise as a Fall Prevention Strategy. <b>2021</b> , 130-156	
513	Effect of lactate administration on mouse skeletal muscle under calorie restriction. <b>2021</b> , 4, 202-208	1
512	Associations Between Self-Reported Weight History and Sarcopenic Obesity in Adults with Knee Osteoarthritis. <b>2021</b> , 29, 302-307	
511	A Pound of Flesh: What Cachexia Is and What It Is Not. <b>2021</b> , 11,	10
510	Reliability and validity of a standardised ultrasound examination protocol to quantify vastus lateralis muscle. <b>2021</b> , 53, jrm00212	1
509	Problems in Long-Term Maintenance of Efficacy of Vocal Function Exercises on Presbyphonia. <b>2021</b> , 62, 116-122	
508	Ergonomics in the Unit: Modeling the Environment Around the Endoscopist. <b>2021</b> , 23, 256-262	0

507	Muscles adaptation to aging and training: architectural changes - a randomised trial. <b>2021</b> , 21, 48	7
506	Sarcopenia. <b>2009</b> , 183-205	1
505	Le vieillissement. <b>2007</b> , 481-497	2
504	Age-Related Changes in Muscle and Bone. <b>2019</b> , 45-71	6
503	Maternal Nutrient Restriction and Skeletal Muscle Development: Consequences for Postnatal Health. <b>2020</b> , 1265, 153-165	7
502	Frailty and Sarcopenia. <b>2021</b> , 53-65	3
501	Plasticity of the Muscle Stem Cell Microenvironment. <b>2017</b> , 1041, 141-169	25
500	Plasma Transthyretin Reflects the Fluctuations of Lean Body Mass in Health and Disease. <b>2009</b> , 329-357	5
499	Skeletal muscle redox signaling in rheumatoid arthritis. <b>2020</b> , 134, 2835-2850	5
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