

# Hisashi Naito

## List of Publications by Year in descending order

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219  
papers

5,001  
citations

94433

37  
h-index

118850

62  
g-index

220  
all docs

220  
docs citations

220  
times ranked

5845  
citing authors

#	ARTICLE	IF	CITATIONS
1	Exercise alters SIRT1, SIRT6, NAD and NAMPT levels in skeletal muscle of aged rats. <i>Mechanisms of Ageing and Development</i> , 2010, 131, 21-28.	4.6	230
2	Heat stress attenuates skeletal muscle atrophy in hindlimb-unweighted rats. <i>Journal of Applied Physiology</i> , 2000, 88, 359-363.	2.5	213
3	Exercise training decreases DNA damage and increases DNA repair and resistance against oxidative stress of proteins in aged rat skeletal muscle. <i>Pflugers Archiv European Journal of Physiology</i> , 2002, 445, 273-278.	2.8	201
4	Age-associated increases in oxidative stress and nuclear transcription factor $\beta$ activation are attenuated in rat liver by regular exercise. <i>FASEB Journal</i> , 2004, 18, 749-750.	0.5	172
5	Short-term exercise improves myocardial tolerance to in vivo ischemia-reperfusion in the rat. <i>Journal of Applied Physiology</i> , 2001, 91, 2205-2212.	2.5	160
6	Hyperthermia induced by microwave diathermy in the management of muscle and tendon injuries. <i>British Medical Bulletin</i> , 2007, 83, 379-396.	6.9	133
7	Exercise training improves myocardial tolerance to in vivo ischemia-reperfusion in the rat. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 1998, 275, R1468-R1477.	1.8	127
8	Obesity is associated with increased myocardial oxidative stress. <i>International Journal of Obesity</i> , 1999, 23, 67-74.	3.4	113
9	Effects of exercise on brain function: role of free radicals. <i>Applied Physiology, Nutrition and Metabolism</i> , 2007, 32, 942-946.	1.9	108
10	Exercise-induced alterations in skeletal muscle myosin heavy chain phenotype: dose-response relationship. <i>Journal of Applied Physiology</i> , 1999, 86, 1002-1008.	2.5	104
11	Effects of ageing on the total number of muscle fibers and motoneurons of the tibialis anterior and soleus muscles in the rat. <i>Brain Research</i> , 1987, 435, 355-358.	2.2	94
12	Exercise training increases heat shock protein in skeletal muscles of old rats. <i>Medicine and Science in Sports and Exercise</i> , 2001, 33, 729-734.	0.4	87
13	Regular exercise reduces 8-oxodG in the nuclear and mitochondrial DNA and modulates the DNA repair activity in the liver of old rats. <i>Experimental Gerontology</i> , 2007, 42, 287-295.	2.8	87
14	Short-term exercise training improves diaphragm antioxidant capacity and endurance. <i>European Journal of Applied Physiology and Occupational Physiology</i> , 2000, 81, 67-74.	1.2	86
15	Age-dependent changes in 8-oxoguanine-DNA glycosylase activity are modulated by adaptive responses to physical exercise in human skeletal muscle. <i>Free Radical Biology and Medicine</i> , 2011, 51, 417-423.	2.9	82
16	Heat stress activates the Akt/mTOR signalling pathway in rat skeletal muscle. <i>Acta Physiologica</i> , 2013, 207, 416-426.	3.8	80
17	Exercise training reduces myocardial lipid peroxidation following short-term ischemia-reperfusion. <i>Medicine and Science in Sports and Exercise</i> , 1998, 30, 1211-1216.	0.4	74
18	Duration of Static Stretching Influences Muscle Force Production in Hamstring Muscles. <i>Journal of Strength and Conditioning Research</i> , 2007, 21, 788.	2.1	70

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19	Homeotic effects of regular exercise in aging: correlation with oxidative stress. <i>Applied Physiology, Nutrition and Metabolism</i> , 2007, 32, 948-953.	1.9	67
20	Responses of muscle mass, strength and gene transcripts to long-term heat stress in healthy human subjects. <i>European Journal of Applied Physiology</i> , 2011, 111, 17-27.	2.5	67
21	Changes in PKB/Akt and calcineurin signaling during recovery in atrophied soleus muscle induced by unloading. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2005, 288, R1273-R1278.	1.8	65
22	Long-Term Trends in Cardiorespiratory Fitness and the Incidence of Type 2 Diabetes. <i>Diabetes Care</i> , 2010, 33, 1353-1357.	8.6	65
23	Effects of high-intensity and blood flow-restricted low-intensity resistance training on carotid arterial compliance: role of blood pressure during training sessions. <i>European Journal of Applied Physiology</i> , 2013, 113, 167-174.	2.5	64
24	Effects of vitamin E deficiency on fatigue and muscle contractile properties. <i>European Journal of Applied Physiology</i> , 2002, 87, 272-277.	2.5	59
25	Heat stress enhances mTOR signaling after resistance exercise in human skeletal muscle. <i>Journal of Physiological Sciences</i> , 2011, 61, 131-140.	2.1	58
26	Soma size and oxidative enzyme activity of motoneurons supplying the fast twitch and slow twitch muscles in the rat. <i>Brain Research</i> , 1988, 446, 195-198.	2.2	56
27	Single bout of running exercise changes LC3-II expression in rat cardiac muscle. <i>Biochemical and Biophysical Research Communications</i> , 2011, 414, 756-760.	2.1	55
28	Effects of Electrostimulation with Blood Flow Restriction on Muscle Size and Strength. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 2621-2627.	0.4	53
29	Zinc transporter ZIP13 suppresses beige adipocyte biogenesis and energy expenditure by regulating C/EBP- $\beta$ expression. <i>PLoS Genetics</i> , 2017, 13, e1006950.	3.5	50
30	Efficacy of heat-killed <i>Lactococcus lactis</i> JCM 5805 on immunity and fatigue during consecutive high intensity exercise in male athletes: a randomized, placebo-controlled, double-blinded trial. <i>Journal of the International Society of Sports Nutrition</i> , 2018, 15, 39.	3.9	50
31	Regular Exercise: An Effective Means to Reduce Oxidative Stress in Old Rats. <i>Annals of the New York Academy of Sciences</i> , 2004, 1019, 471-474.	3.8	48
32	Exercise training protects against contraction-induced lipid peroxidation in the diaphragm. <i>European Journal of Applied Physiology</i> , 1999, 79, 268-273.	2.5	46
33	Satellite cell pool enhancement in rat plantaris muscle by endurance training depends on intensity rather than duration. <i>Acta Physiologica</i> , 2012, 205, 159-166.	3.8	46
34	ESR1 rs2234693 Polymorphism Is Associated with Muscle Injury and Muscle Stiffness. <i>Medicine and Science in Sports and Exercise</i> , 2019, 51, 19-26.	0.4	45
35	Hypoxia and hypercapnia affect contractile and histological properties of rat diaphragm and hind limb muscles. <i>Pathophysiology</i> , 2004, 11, 23-30.	2.2	41
36	<i>ACTN3</i> R577X genotype and athletic performance in a large cohort of Japanese athletes. <i>European Journal of Sport Science</i> , 2016, 16, 694-701.	2.7	40

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37	Biological Effects of IL-26 on T Cell-Mediated Skin Inflammation, Including Psoriasis. <i>Journal of Investigative Dermatology</i> , 2019, 139, 878-889.	0.7	39
38	Voluntary Exercise Ameliorates the Progression of Atherosclerotic Lesion Formation via Anti-Inflammatory Effects in Apolipoprotein E-Deficient Mice. <i>Journal of Atherosclerosis and Thrombosis</i> , 2010, 17, 1226-1236.	2.0	38
39	Estrogen Administration Attenuates Immobilization-Induced Skeletal Muscle Atrophy in Male Rats. <i>Journal of Physiological Sciences</i> , 2006, 56, 393-399.	2.1	37
40	Effects of Proprioceptive Neuromuscular Facilitation Stretching and Static Stretching on Maximal Voluntary Contraction. <i>Journal of Strength and Conditioning Research</i> , 2013, 27, 195-201.	2.1	37
41	Elevation of body temperature is an essential factor for exercise-increased extracellular heat shock protein 72 level in rat plasma. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2008, 294, R1600-R1607.	1.8	34
42	Astaxanthin intake attenuates muscle atrophy caused by immobilization in rats. <i>Physiological Reports</i> , 2016, 4, e12885.	1.7	34
43	Effects of walking combined with restricted leg blood flow on mTOR and MAPK signalling in young men. <i>Acta Physiologica</i> , 2014, 211, 97-106.	3.8	33
44	Effects of drop sets with resistance training on increases in muscle CSA, strength, and endurance: a pilot study. <i>Journal of Sports Sciences</i> , 2018, 36, 691-696.	2.0	33
45	Glyceraldehyde-3-phosphate dehydrogenase interacts with phosphorylated Akt resulting from increased blood glucose in rat cardiac muscle. <i>FEBS Letters</i> , 2010, 584, 2796-2800.	2.8	32
46	Determinants of intramyocellular lipid accumulation after dietary fat loading in non-obese men. <i>Journal of Diabetes Investigation</i> , 2011, 2, 310-317.	2.4	32
47	Cardiorespiratory fitness, body mass index, and cancer mortality: a cohort study of Japanese men. <i>BMC Public Health</i> , 2014, 14, 1012.	2.9	31
48	Effects of icing or heat stress on the induction of fibrosis and/or regeneration of injured rat soleus muscle. <i>Journal of Physiological Sciences</i> , 2016, 66, 345-357.	2.1	31
49	Genome-Wide Association Study Reveals a Novel Association Between MYBPC3 Gene Polymorphism, Endurance Athlete Status, Aerobic Capacity and Steroid Metabolism. <i>Frontiers in Genetics</i> , 2020, 11, 595.	2.3	30
50	Effects of Phase III Cardiac Rehabilitation on Mortality and Cardiovascular Events in Elderly Patients With Stable Coronary Artery Disease. <i>Circulation Journal</i> , 2010, 74, 709-714.	1.6	29
51	SIRT1 may play a crucial role in overload-induced hypertrophy of skeletal muscle. <i>Journal of Physiology</i> , 2017, 595, 3361-3376.	2.9	29
52	Skeletal muscle function and need for long-term care of urban elderly people in Japan (the Bunkyo) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.9	29
53	The association of HFE gene H63D polymorphism with endurance athlete status and aerobic capacity: novel findings and a meta-analysis. <i>European Journal of Applied Physiology</i> , 2020, 120, 665-673.	2.5	29
54	Dietary astaxanthin supplementation attenuates disuse-induced muscle atrophy and myonuclear apoptosis in the rat soleus muscle. <i>Journal of Physiological Sciences</i> , 2017, 67, 181-190.	2.1	28

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55	Microwave hyperthermia treatment increases heat shock proteins in human skeletal muscle * COMMENTARY. <i>British Journal of Sports Medicine</i> , 2007, 41, 453-455.	6.7	27
56	Whey protein intake after resistance exercise activates mTOR signaling in a dose-dependent manner in human skeletal muscle. <i>European Journal of Applied Physiology</i> , 2014, 114, 735-742.	2.5	27
57	Effects of cardiac rehabilitation in patients with metabolic syndrome after coronary artery bypass grafting. <i>Journal of Cardiology</i> , 2009, 53, 381-387.	1.9	26
58	Immobilization induces nuclear accumulation of HDAC4 in rat skeletal muscle. <i>Journal of Physiological Sciences</i> , 2016, 66, 337-343.	2.1	26
59	Voluntary Exercise Can Ameliorate Insulin Resistance by Reducing iNOS-Mediated S-Nitrosylation of Akt in the Liver in Obese Rats. <i>PLoS ONE</i> , 2015, 10, e0132029.	2.5	25
60	Effects of low and high levels of moderate hypoxia on anaerobic energy release during supramaximal cycle exercise. <i>European Journal of Applied Physiology</i> , 2006, 98, 41-47.	2.5	24
61	Changes in muscle temperature induced by 434 MHz microwave hyperthermia. <i>British Journal of Sports Medicine</i> , 2007, 41, 425-429.	6.7	24
62	Muscular and Performance Fitness and the Incidence of Type 2 Diabetes: Prospective Study of Japanese Men. <i>Journal of Physical Activity and Health</i> , 2010, 7, 627-632.	2.0	24
63	Obesity and low back pain: a retrospective cohort study of Japanese males. <i>Journal of Physical Therapy Science</i> , 2017, 29, 978-983.	0.6	24
64	Circadian rhythm of intracellular protein synthesis signaling in rat cardiac and skeletal muscles. <i>Biochemistry and Biophysics Reports</i> , 2017, 9, 153-158.	1.3	23
65	Effects of training intensity in electromyostimulation on human skeletal muscle. <i>European Journal of Applied Physiology</i> , 2018, 118, 1339-1347.	2.5	23
66	Sex differences in forkhead box O3a signaling response to hindlimb unloading in rat soleus muscle. <i>Journal of Physiological Sciences</i> , 2019, 69, 235-244.	2.1	23
67	Alpha-actinin-3 levels increase concomitantly with fast fibers in rat soleus muscle. <i>Biochemical and Biophysical Research Communications</i> , 2008, 372, 584-588.	2.1	22
68	The response of apoptotic and proteolytic systems to repeated heat stress in atrophied rat skeletal muscle. <i>Physiological Reports</i> , 2015, 3, e12597.	1.7	22
69	Role of selected polymorphisms in determining muscle fiber composition in Japanese men and women. <i>Journal of Applied Physiology</i> , 2018, 124, 1377-1384.	2.5	22
70	Numerical study of ball behavior in side-foot soccer kick based on impact dynamic theory. <i>Journal of Biomechanics</i> , 2009, 42, 2712-2720.	2.1	21
71	Nitric oxide: Is it the cause of muscle soreness?. <i>Nitric Oxide - Biology and Chemistry</i> , 2012, 26, 89-94.	2.7	21
72	Association Between Expression of FABPpm in Skeletal Muscle and Insulin Sensitivity in Intramyocellular Lipid-Accumulated Nonobese Men. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2014, 99, 3343-3352.	3.6	21

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73	Contribution of Nitric Oxide, Angiotensin II and Superoxide Dismutase to Exercise-induced Attenuation of Blood Pressure Elevation in Spontaneously Hypertensive Rats.. <i>International Heart Journal</i> , 2002, 43, 25-34.	0.6	20
74	Effects of ageing and endurance exercise training on alpha-actinin isoforms in rat plantaris muscle. <i>Acta Physiologica</i> , 2011, 202, 683-690.	3.8	20
75	The associations between meeting 24-hour movement guidelines and adiposity in Asian Adolescents: The AsiaFit Study. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2021, 31, 763-771.	2.9	20
76	Attenuation of exercise-induced heat shock protein 72 expression blunts improvements in whole-body insulin resistance in rats with type 2 diabetes. <i>Cell Stress and Chaperones</i> , 2017, 22, 263-269.	2.9	19
77	Epistasis, physical capacity-related genes and exceptional longevity: FNDC5 gene interactions with candidate genes FOXO3 and APOE. <i>BMC Genomics</i> , 2017, 18, 803.	2.8	19
78	A nationwide observational study of locomotive syndrome in Japan using the ResearchKit: The Locomonitor study. <i>Journal of Orthopaedic Science</i> , 2019, 24, 1094-1104.	1.1	19
79	The effects of exercise duration on adrenal HSP72/73 induction in rats. <i>Acta Physiologica Scandinavica</i> , 1999, 167, 227-231.	2.2	17
80	Physical activity and health-related fitness in Asian adolescents: The Asia-fit study. <i>Journal of Sports Sciences</i> , 2020, 38, 273-279.	2.0	17
81	Heat stress protects against mechanical ventilation-induced diaphragmatic atrophy. <i>Journal of Applied Physiology</i> , 2014, 117, 518-524.	2.5	15
82	Hyperventilation as a Strategy for Improved Repeated Sprint Performance. <i>Journal of Strength and Conditioning Research</i> , 2014, 28, 1119-1126.	2.1	15
83	Blood flow restriction in human skeletal muscle during rest periods after high-load resistance training down-regulates miR-206 and induces Pax7. <i>Journal of Sport and Health Science</i> , 2021, 10, 470-477.	6.5	15
84	COL5A1 rs12722 polymorphism is not associated with passive muscle stiffness and sports-related muscle injury in Japanese athletes. <i>BMC Medical Genetics</i> , 2019, 20, 192.	2.1	15
85	Physiological stimuli necessary for muscle hypertrophy. <i>The Journal of Physical Fitness and Sports Medicine</i> , 2015, 4, 43-51.	0.3	14
86	The effectiveness of bench press training with or without throws on strength and shot put distance of competitive university athletes. <i>European Journal of Applied Physiology</i> , 2018, 118, 1821-1830.	2.5	14
87	A body mass index over 22 kg/m <sup>2</sup> at college age is a risk factor for future diabetes in Japanese men. <i>PLoS ONE</i> , 2019, 14, e0211067.	2.5	14
88	Are Genome-Wide Association Study Identified Single-Nucleotide Polymorphisms Associated With Sprint Athletic Status? A Replication Study With 3 Different Cohorts. <i>International Journal of Sports Physiology and Performance</i> , 2021, 16, 489-495.	2.3	14
89	Repeated exposure to heat stress results in a diaphragm phenotype that resists ventilator-induced diaphragm dysfunction. <i>Journal of Applied Physiology</i> , 2015, 119, 1023-1031.	2.5	13
90	Association between objectively measured physical activity and body mass index with low back pain: a large-scale cross-sectional study of Japanese men. <i>BMC Public Health</i> , 2018, 18, 341.	2.9	13

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91	Exercise preconditioning attenuates hind limb unloading-induced gastrocnemius muscle atrophy possibly via the HDAC4/Gadd45 axis in old rats. <i>Experimental Gerontology</i> , 2019, 122, 34-41.	2.8	13
92	The Measurement of Strength in Children: Is the Peak Value Truly Maximal?. <i>Children</i> , 2021, 8, 9.	1.5	13
93	Theoretical Study of Factors Affecting Ball Velocity in Instep Soccer Kicking. <i>Journal of Applied Biomechanics</i> , 2012, 28, 258-270.	0.8	12
94	AGTR2 and sprint/power performance: a case-control replication study for rs11091046 polymorphism in two ethnicities. <i>Biology of Sport</i> , 2018, 35, 105-109.	3.2	12
95	Long-term physical inactivity exacerbates hindlimb unloading-induced muscle atrophy in young rat soleus muscle. <i>Journal of Applied Physiology</i> , 2021, 130, 1214-1225.	2.5	12
96	Sprint-Interval Training-Induced Alterations of Myosin Heavy Chain Isoforms and Enzyme Activities in Rat Diaphragm: Effect of Normobaric Hypoxia. <i>The Japanese Journal of Physiology</i> , 2005, 55, 309-316.	0.9	12
97	Provision of a voluntary exercise environment enhances running activity and prevents obesity in <i>Snark</i> -deficient mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2009, 296, E1013-E1021.	3.5	11
98	Different adaptations of alpha-actinin isoforms to exercise training in rat skeletal muscles. <i>Acta Physiologica</i> , 2009, 196, 341-349.	3.8	11
99	Heat stress-induced changes in skeletal muscle: Heat shock proteins and cell signaling transduction. <i>The Journal of Physical Fitness and Sports Medicine</i> , 2012, 1, 125-131.	0.3	11
100	The 30-s chair stand test can be a useful tool for screening sarcopenia in elderly Japanese participants. <i>BMC Musculoskeletal Disorders</i> , 2021, 22, 639.	1.9	11
101	Acute Effects of High-Intensity Dumbbell Exercise After Isokinetic Eccentric Damage: Interaction between Altered Pain Perception and Fatigue on Static and Dynamic Muscle Performance. <i>Journal of Strength and Conditioning Research</i> , 2010, 24, 2042-2049.	2.1	10
102	Relationships between Field Tests of Power and Athletic Performance in Track and Field Athletes Specializing in Power Events. <i>International Journal of Sports Science and Coaching</i> , 2015, 10, 133-144.	1.4	10
103	Exceptional longevity and muscle and fitness related genotypes: a functional in vitro analysis and case-control association replication study with SNPs THRH rs7832552, IL6 rs1800795, and ACSL1 rs6552828. <i>Frontiers in Aging Neuroscience</i> , 2015, 07, 59.	3.4	10
104	Hyperventilation-induced respiratory alkalosis falls short of countering fatigue during repeated maximal isokinetic contractions. <i>European Journal of Applied Physiology</i> , 2015, 115, 1453-1465.	2.5	10
105	Sumoylated $\beta$ -skeletal muscle actin in the skeletal muscle of adult rats. <i>Molecular and Cellular Biochemistry</i> , 2015, 409, 59-66.	3.1	10
106	Osteoarthritis as a Cause of Locomotive Syndrome: Its Influence on Functional Mobility and Activities of Daily Living. <i>Clinical Reviews in Bone and Mineral Metabolism</i> , 2016, 14, 77-104.	0.8	10
107	Association between locomotive syndrome and blood parameters in Japanese middle-aged and elderly individuals: a cross-sectional study. <i>BMC Musculoskeletal Disorders</i> , 2019, 20, 104.	1.9	10
108	Losartan treatment attenuates hindlimb unloading-induced atrophy in the soleus muscle of female rats via canonical TGF- $\beta$ 2 signaling. <i>Journal of Physiological Sciences</i> , 2022, 72, 6.	2.1	10

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109	Effects of Exhaustive Dumbbell Exercise After Isokinetic Eccentric Damage: Recovery of Static and Dynamic Muscle Performance. <i>Journal of Strength and Conditioning Research</i> , 2009, 23, 2467-2476.	2.1	9
110	Fiber-type specific expression of $\hat{I}\pm$ -actinin isoforms in rat skeletal muscle. <i>Biochemical and Biophysical Research Communications</i> , 2012, 419, 401-404.	2.1	9
111	Strategies for maximizing power and strength gains in isoinertial resistance training: Implications for competitive athletes. <i>The Journal of Physical Fitness and Sports Medicine</i> , 2016, 5, 153-166.	0.3	9
112	Effect of a combination of astaxanthin supplementation, heat stress, and intermittent reloading on satellite cells during disuse muscle atrophy. <i>Journal of Zhejiang University: Science B</i> , 2018, 19, 844-852.	2.8	9
113	QUANTIFYING TIME SPENT IN MODERATE TO VIGOROUS INTENSITY PHYSICAL ACTIVITY VIA STEPPING RATE. <i>Japanese Journal of Physical Fitness and Sports Medicine</i> , 2008, 57, 453-462.	0.0	8
114	Moderate-to-vigorous physical activity attenuates the detrimental effects of television viewing on the cardiorespiratory fitness in Asian adolescents: the Asia-fit study. <i>BMC Public Health</i> , 2019, 19, 1737.	2.9	8
115	Electromyostimulation with blood flow restriction enhances activation of mTOR and MAPK signaling pathways in rat gastrocnemius muscles. <i>Applied Physiology, Nutrition and Metabolism</i> , 2019, 44, 637-644.	1.9	8
116	PPARGC1A rs8192678 and NRF1 rs6949152 Polymorphisms Are Associated with Muscle Fiber Composition in Women. <i>Genes</i> , 2020, 11, 1012.	2.4	8
117	Muscle-Related Polymorphisms (MSTN rs1805086 and ACTN3 rs1815739) Are Not Associated with Exceptional Longevity in Japanese Centenarians. <i>PLoS ONE</i> , 2016, 11, e0166605.	2.5	8
118	Effects of Microwave Hyperthermia at Two Different Frequencies (434 and 2450 MHz) on Human Muscle Temperature. <i>Journal of Sports Science and Medicine</i> , 2008, 7, 191-3.	1.6	8
119	Whey peptide ingestion suppresses body fat accumulation in senescence-accelerated mouse prone 6 (SAMP6). <i>European Journal of Nutrition</i> , 2015, 54, 551-556.	3.9	7
120	Combination of body massâ€based resistance training and highâ€intensity walking can improve both muscle size and $O_{2\text{peak}}$ in untrained older women. <i>Geriatrics and Gerontology International</i> , 2017, 17, 779-784.	1.5	7
121	Short-term treadmill exercise in a cold environment does not induce adrenal Hsp72 and Hsp25 expression. <i>Journal of Physiological Sciences</i> , 2017, 67, 407-413.	2.1	7
122	Effects of Hyperventilation on Repeated Pedaling Sprint Performance: Short vs. Long Intervention Duration. <i>Journal of Strength and Conditioning Research</i> , 2018, 32, 170-180.	2.1	7
123	Female Athletes Genetically Susceptible to Fatigue Fracture Are Resistant to Muscle Injury: Potential Role of COL1A1 Variant. <i>Medicine and Science in Sports and Exercise</i> , 2021, 53, 1855-1864.	0.4	7
124	Sprint-interval training induces heat shock protein 72 in rat skeletal muscles. <i>Journal of Sports Science and Medicine</i> , 2006, 5, 194-201.	1.6	7
125	Electrophysiological properties of brain-natriuretic peptide- and gastrin-releasing peptide-responsive dorsal horn neurons in spinal itch transmission. <i>Neuroscience Letters</i> , 2016, 627, 51-60.	2.1	6
126	Age-related changes in histone modification in rat gastrocnemius muscle. <i>Experimental Gerontology</i> , 2019, 125, 110658.	2.8	6

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127	Metabolic equivalents of body weight resistance exercise with slow movement in older adults using indirect calorimetry. <i>Applied Physiology, Nutrition and Metabolism</i> , 2019, 44, 1254-1257.	1.9	6
128	Role of astaxanthin supplementation in prevention of disuse muscle atrophy: a review. <i>The Journal of Physical Fitness and Sports Medicine</i> , 2019, 8, 61-71.	0.3	6
129	Energy Expenditure of a Single Sit-to-Stand Movement with Slow Versus Normal Speed Using the Different Frequency Accumulation Method. <i>Medicina (Lithuania)</i> , 2019, 55, 77.	2.0	6
130	Reliability and validity of the Activities-specific Balance Confidence scale-Japanese (ABC-J) in community-dwelling stroke survivors. <i>Physical Therapy Research</i> , 2020, 23, 15-22.	0.9	6
131	Association of physical fitness and motor ability at young age with locomotive syndrome risk in middle-aged and older men: J-Fit+ Study. <i>BMC Geriatrics</i> , 2021, 21, 89.	2.7	6
132	Effects of massage and compression treatment on performance in three consecutive days. <i>Medical Express</i> , 2014, 1, .	0.2	6
133	The MOTS-c K14Q polymorphism in the mtDNA is associated with muscle fiber composition and muscular performance. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2022, 1866, 130048.	2.4	6
134	Effect of heat preconditioning by microwave hyperthermia on human skeletal muscle after eccentric exercise. <i>Journal of Sports Science and Medicine</i> , 2008, 7, 176-83.	1.6	6
135	TLR4-defective (C3H/HeJ) mice are not protected from cast immobilization-induced muscle atrophy. <i>Physiological Reports</i> , 2017, 5, e13255.	1.7	5
136	Effects of voluntary running exercise on bone histology in type 2 diabetic rats. <i>PLoS ONE</i> , 2018, 13, e0193068.	2.5	5
137	Impact of different temperature stimuli on the expression of myosin heavy chain isoforms during recovery from bupivacaine-induced muscle injury in rats. <i>Journal of Applied Physiology</i> , 2019, 127, 178-189.	2.5	5
138	Changes in the blood redox balance during a simulated duathlon race and its relationship with athletic performance. <i>Physiological Reports</i> , 2019, 7, e14277.	1.7	5
139	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. <i>BMC Geriatrics</i> , 2021, 21, 464.	2.7	5
140	High-throughput muscle fiber typing from RNA sequencing data. <i>Skeletal Muscle</i> , 2022, 12, .	4.2	5
141	Epigenetic Modulation of Gene Expression by Exercise. <i>Healthy Ageing and Longevity</i> , 2015, , 85-100.	0.2	4
142	Body temperature elevation during exercise is essential for activating the Akt signaling pathway in the skeletal muscle of type 2 diabetic rats. <i>PLoS ONE</i> , 2018, 13, e0205456.	2.5	4
143	Effects of a progressive walking program on the risk of developing locomotive syndrome in elderly Japanese people: a single-arm trial. <i>Journal of Physical Therapy Science</i> , 2018, 30, 1180-1186.	0.6	4
144	EFFECT OF HEAT STRESS ON DESMIN EXPRESSION IN ATROPHIED SOLEUS MUSCLE. <i>Japanese Journal of Physical Fitness and Sports Medicine</i> , 2010, 59, 167-174.	0.0	4

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145	THE EFFECT OF ENDURANCE TRAINING ON THE PANCREATIC ENZYME ACTIVITY IN AGED RATS. Japanese Journal of Physical Fitness and Sports Medicine, 1999, 48, 245-250.	0.0	4
146	Effects of Progressive Walking and Stair-Climbing Training Program on Muscle Size and Strength of the Lower Body in Untrained Older Adults. Journal of Sports Science and Medicine, 2019, 18, 722-728.	1.6	4
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