Motohikjo Miyachi

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/2943678/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Effects of moderate-intensity endurance and high-intensity intermittent training on anaerobic capacity and ??VO2max. Medicine and Science in Sports and Exercise, 1996, 28, 1327-1330.	0.4	430
2	Unfavorable Effects of Resistance Training on Central Arterial Compliance. Circulation, 2004, 110, 2858-2863.	1.6	413
3	A cross-sectional study of sarcopenia in Japanese men and women: reference values and association with cardiovascular risk factors. European Journal of Applied Physiology, 2010, 110, 57-65.	2.5	281
4	Calf circumference as a surrogate marker of muscle mass for diagnosing sarcopenia in <scp>J</scp> apanese men and women. Geriatrics and Gerontology International, 2015, 15, 969-976.	1.5	267
5	A dose–response relation between aerobic exercise and visceral fat reduction: systematic review of clinical trials. International Journal of Obesity, 2007, 31, 1786-1797.	3.4	207
6	Effects of resistance training on arterial stiffness: a meta-analysis. British Journal of Sports Medicine, 2013, 47, 393-396.	6.7	193
7	Greater Age-Related Reductions in Central Arterial Compliance in Resistance-Trained Men. Hypertension, 2003, 41, 130-135.	2.7	184
8	Non-invasive assessment of cardiac output during exercise in healthy young humans: comparison between Modelflow method and Doppler echocardiography method. Acta Physiologica Scandinavica, 2003, 179, 361-366.	2.2	181
9	METs in Adults While Playing Active Video Games. Medicine and Science in Sports and Exercise, 2010, 42, 1149-1153.	0.4	165
10	Metabolic profile of high intensity intermittent exercises. Medicine and Science in Sports and Exercise, 1997, 29, 390-395.	0.4	163
11	Accuracy of Wearable Devices for Estimating Total Energy Expenditure. JAMA Internal Medicine, 2016, 176, 702.	5.1	159
12	Large-scale GWAS identifies multiple loci for hand grip strength providing biological insights into muscular fitness. Nature Communications, 2017, 8, 16015.	12.8	149
13	Effects of endurance training on resting and post-exercise cardiac autonomic control. Medicine and Science in Sports and Exercise, 2001, 33, 1496-1502.	0.4	147
14	Longer Time Spent in Light Physical Activity Is Associated With Reduced Arterial Stiffness in Older Adults. Hypertension, 2010, 56, 540-546.	2.7	144
15	Resistance training and arterial compliance: keeping the benefits while minimizing the stiffening. Journal of Hypertension, 2006, 24, 1753-1759.	0.5	128
16	Data Resource Profile: The Japan National Health and Nutrition Survey (NHNS). International Journal of Epidemiology, 2015, 44, 1842-1849.	1.9	126
17	Poor trunk flexibility is associated with arterial stiffening. American Journal of Physiology - Heart and Circulatory Physiology, 2009, 297, H1314-H1318.	3.2	116
18	Effects of one-legged endurance training on femoral arterial and venous size in healthy humans. Journal of Applied Physiology, 2001, 90, 2439-2444.	2.5	109

#	Article	IF	CITATIONS
19	Developing and Validating an Age-Independent Equation Using Multi-Frequency Bioelectrical Impedance Analysis for Estimation of Appendicular Skeletal Muscle Mass and Establishing a Cutoff for Sarcopenia. International Journal of Environmental Research and Public Health, 2017, 14, 809.	2.6	107
20	Effects of Whole-Body Low-Intensity Resistance Training With Slow Movement and Tonic Force Generation on Muscular Size and Strength in Young Men. Journal of Strength and Conditioning Research, 2008, 22, 1926-1938.	2.1	101
21	No Evidence of a Common DNA Variant Profile Specific to World Class Endurance Athletes. PLoS ONE, 2016, 11, e0147330.	2.5	96
22	Athlome Project Consortium: a concerted effort to discover genomic and other "omic―markers of athletic performance. Physiological Genomics, 2016, 48, 183-190.	2.3	96
23	Association Analysis of ACE and ACTN3 in Elite Caucasian and East Asian Swimmers. Medicine and Science in Sports and Exercise, 2013, 45, 892-900.	0.4	80
24	Effects of 10 Weeks Walk Training With Leg Blood Flow Reduction on Carotid Arterial Compliance and Muscle Size in the Elderly Adults. Angiology, 2011, 62, 81-86.	1.8	74
25	Variations in carotid arterial compliance during the menstrual cycle in young women. Experimental Physiology, 2006, 91, 465-472.	2.0	71
26	Strength Training and All ause, Cardiovascular Disease, and Cancer Mortality in Older Women: A Cohort Study. Journal of the American Heart Association, 2017, 6, .	3.7	67
27	Heritability estimates of muscle strengthâ€related phenotypes: A systematic review and metaâ€analysis. Scandinavian Journal of Medicine and Science in Sports, 2017, 27, 1537-1546.	2.9	67
28	ApoE gene and exceptional longevity: Insights from three independent cohorts. Experimental Gerontology, 2014, 53, 16-23.	2.8	66
29	Predicting V˙O2max with an Objectively Measured Physical Activity in Japanese Women. Medicine and Science in Sports and Exercise, 2010, 42, 179-186.	0.4	63
30	Accuracy of 12 Wearable Devices for Estimating Physical Activity Energy Expenditure Using a Metabolic Chamber and the Doubly Labeled Water Method: Validation Study. JMIR MHealth and UHealth, 2019, 7, e13938.	3.7	60
31	Increased Muscle Size and Strength From Slow-Movement, Low-Intensity Resistance Exercise and Tonic Force Generation. Journal of Aging and Physical Activity, 2013, 21, 71-84.	1.0	59
32	Pulse Wave Velocity for Assessment of Arterial Stiffness Among People With Spinal Cord Injury: A Pilot Study. Journal of Spinal Cord Medicine, 2009, 32, 72-78.	1.4	58
33	Effects of endurance training on the size and blood flow of the arterial conductance vessels in humans. Acta Physiologica Scandinavica, 1998, 163, 13-16.	2.2	57
34	Resistance training in men is associated with increased arterial stiffness and blood pressure but does not adversely affect endothelial function as measured by arterial reactivity to the cold pressor test. Experimental Physiology, 2008, 93, 296-302.	2.0	57
35	Adverse effects of coexistence of sarcopenia and metabolic syndrome in Japanese women. European Journal of Clinical Nutrition, 2012, 66, 1093-1098.	2.9	53
36	Method for preparing DNA from feces in guanidine thiocyanate solution affects 16S rRNA-based profiling of human microbiota diversity. Scientific Reports, 2017, 7, 4339.	3.3	53

#	Article	IF	CITATIONS
37	Effects of age on ventilatory threshold and peak oxygen uptake normalised for regional skeletal muscle mass in Japanese men and women aged 20–80Âyears. European Journal of Applied Physiology, 2007, 99, 475-483.	2.5	47
38	"+10 min of Physical Activity per Day": Japan Is Looking for Efficient but Feasible Recommendations for Its Population. Journal of Nutritional Science and Vitaminology, 2015, 61, S7-S9.	0.6	47
39	Effect of resistance training using bodyweight in the elderly: Comparison of resistance exercise movement between slow and normal speed movement. Geriatrics and Gerontology International, 2015, 15, 1270-1277.	1.5	46
40	Dose–response relationship between protein intake and muscle mass increase: a systematic review and meta-analysis of randomized controlled trials. Nutrition Reviews, 2021, 79, 66-75.	5.8	45
41	Community-wide intervention and population-level physical activity: a 5-year cluster randomized trial. International Journal of Epidemiology, 2018, 47, 642-653.	1.9	44
42	Cutâ€offs for calf circumference as a screening tool for low muscle mass: <scp>WASEDA'S</scp> Health Study. Geriatrics and Gerontology International, 2020, 20, 943-950.	1.5	44
43	Lack of age-related decreases in basal whole leg blood flow in resistance-trained men. Journal of Applied Physiology, 2005, 99, 1384-1390.	2.5	43
44	ACTN3 R577X Genotype is Associated with Sprinting in Elite Japanese Athletes. International Journal of Sports Medicine, 2014, 35, 172-177.	1.7	43
45	Age and cardiorespiratory fitness are associated with arterial stiffening and left ventricular remodelling. Journal of Human Hypertension, 2010, 24, 197-206.	2.2	42
46	Prediction of VO2max with daily step counts for Japanese adult women. European Journal of Applied Physiology, 2009, 105, 289-296.	2.5	41
47	<i>ACTN3</i> R577X genotype and athletic performance in a large cohort of Japanese athletes. European Journal of Sport Science, 2016, 16, 694-701.	2.7	40
48	Heritability estimates of enduranceâ€related phenotypes: AÂsystematic review and metaâ€analysis. Scandinavian Journal of Medicine and Science in Sports, 2018, 28, 834-845.	2.9	40
49	Low-dose vitamin K2 (MK-4) supplementation for 12Âmonths improves bone metabolism and prevents forearm bone loss in postmenopausal Japanese women. Journal of Bone and Mineral Metabolism, 2014, 32, 142-150.	2.7	39
50	Low-molecular-weight adiponectin and high-molecular-weight adiponectin levels in relation to diabetes. Obesity, 2014, 22, 401-407.	3.0	37
51	Physical Fitness Tests and Type 2 Diabetes Among Japanese: A Longitudinal Study From the Niigata Wellness Study. Journal of Epidemiology, 2019, 29, 139-146.	2.4	37
52	Age-related reductions in appendicular skeletal muscle mass: association with habitual aerobic exercise status. Clinical Physiology and Functional Imaging, 2002, 22, 169-172.	1.2	35
53	Home-Based Active Video Games to Promote Weight Loss during the Postpartum Period. Medicine and Science in Sports and Exercise, 2014, 46, 472-478.	0.4	35
54	Dissociation between the time courses of femoral artery blood flow and pulmonary V̇O2during repeated bouts of heavy knee extension exercise in humans. Experimental Physiology, 2004, 89, 243-253.	2.0	34

#	Article	IF	CITATIONS
55	The contribution of Nintendo <i>Wii Fit</i> series in the field of health: a systematic review and meta-analysis. PeerJ, 2017, 5, e3600.	2.0	34
56	Associations of sex hormone-binding globulin and testosterone with diabetes among men and women (the Saku Diabetes study): a case control study. Cardiovascular Diabetology, 2012, 11, 130.	6.8	31
57	Cardiorespiratory Fitness Suppresses Ageâ€Related Arterial Stiffening in Healthy Adults: A 2â€Year Longitudinal Observational Study. Journal of Clinical Hypertension, 2016, 18, 292-298.	2.0	31
58	Gut microbial composition in patients with atrial fibrillation: effects of diet and drugs. Heart and Vessels, 2021, 36, 105-114.	1.2	31
59	Body Mass Index and Kidney Stones: A Cohort Study of Japanese Men. Journal of Epidemiology, 2016, 26, 131-136.	2.4	30
60	Lack of association between genotype score and sprint/power performance in the Japanese population. Journal of Science and Medicine in Sport, 2017, 20, 98-103.	1.3	30
61	Genome-Wide Association Study Reveals a Novel Association Between MYBPC3 Gene Polymorphism, Endurance Athlete Status, Aerobic Capacity and Steroid Metabolism. Frontiers in Genetics, 2020, 11, 595.	2.3	30
62	Comprehensive analysis of gut microbiota of a healthy population and covariates affecting microbial variation in two large Japanese cohorts. BMC Microbiology, 2021, 21, 151.	3.3	30
63	Predicting \$\${dot{V}}{ext{O}}_{2{ext{max}}\$\$ with an objectively measured physical activity in Japanese men. European Journal of Applied Physiology, 2010, 109, 465-472.	2.5	29
64	Relationship Between Physical Activity and Chronic Musculoskeletal Pain Among Community-Dwelling Japanese Adults. Journal of Epidemiology, 2014, 24, 474-483.	2.4	29
65	The association of HFE gene H63D polymorphism with endurance athlete status and aerobic capacity: novel findings and a meta-analysis. European Journal of Applied Physiology, 2020, 120, 665-673.	2.5	29
66	Relationship of Living Conditions With Dietary Patterns Among Survivors of the Great East Japan Earthquake. Journal of Epidemiology, 2013, 23, 376-381.	2.4	28
67	Behavioral change during weight loss program and one-year follow-up: Saku Control Obesity Program (SCOP) in Japan. Asia Pacific Journal of Clinical Nutrition, 2012, 21, 22-34.	0.4	28
68	Lack of replication of associations between multiple genetic polymorphisms and endurance athlete status in Japanese population. Physiological Reports, 2016, 4, e13003.	1.7	27
69	Dose–response relationship between sports activity and musculoskeletal pain in adolescents. Pain, 2016, 157, 1339-1345.	4.2	27
70	Lowâ€intensity resistance training with slow movement and tonic force generation increases basal limb blood flow. Clinical Physiology and Functional Imaging, 2009, 29, 128-135.	1.2	26
71	Effect of Low Dose Vitamin K2 (MK-4) Supplementation on Bio-Indices in Postmenopausal Japanese Women. Journal of Nutritional Science and Vitaminology, 2009, 55, 15-21.	0.6	26
72	Does Aerobic Exercise Mitigate the Effects of Cigarette Smoking on Arterial Stiffness?. Journal of Clinical Hypertension, 2014, 16, 640-644.	2.0	26

#	Article	IF	CITATIONS
73	"Add 10 Min for Your Health― Journal of the American College of Cardiology, 2015, 65, 1153-1154.	2.8	26
74	Comparison between clinical significance of height-adjusted and weight-adjusted appendicular skeletal muscle mass. Journal of Physiological Anthropology, 2017, 36, 15.	2.6	25
75	Results from the Japan's 2018 report card on physical activity for children and youth. Journal of Exercise Science and Fitness, 2019, 17, 20-25.	2.2	25
76	Light-Intensity Physical Activity Is Associated With Insulin Resistance in Elderly Japanese Women Independent of Moderate- to Vigorous-Intensity Physical Activity. Journal of Physical Activity and Health, 2014, 11, 266-271.	2.0	24
77	Community-wide promotion of physical activity in middle-aged and older Japanese: a 3-year evaluation of a cluster randomized trial. International Journal of Behavioral Nutrition and Physical Activity, 2015, 12, 82.	4.6	24
78	Installation of a stationary high desk in the workplace: effect of a 6-week intervention on physical activity. BMC Public Health, 2015, 15, 368.	2.9	24
79	Obesity and low back pain: a retrospective cohort study of Japanese males. Journal of Physical Therapy Science, 2017, 29, 978-983.	0.6	24
80	Association between dietary intake and the prevalence of tumourigenic bacteria in the gut microbiota of middle-aged Japanese adults. Scientific Reports, 2020, 10, 15221.	3.3	24
81	Lack of carotid stiffening associated with MTHFR 677TT genotype in cardiorespiratory fit adults. Physiological Genomics, 2010, 42, 259-265.	2.3	23
82	Differences in body composition and risk of lifestyle-related diseases between young and older male rowers and sedentary controls. Journal of Sports Sciences, 2009, 27, 1027-1034.	2.0	22
83	Relation of body composition to daily physical activity in free-living Japanese adult women. British Journal of Nutrition, 2011, 106, 1117-1127.	2.3	22
84	Association between ACTN3 R577X Polymorphism and Trunk Flexibility in 2 Different Cohorts. International Journal of Sports Medicine, 2017, 38, 402-406.	1.7	22
85	Simultaneous Validation of Seven Physical Activity Questionnaires Used in Japanese Cohorts for Estimating Energy Expenditure: A Doubly Labeled Water Study. Journal of Epidemiology, 2018, 28, 437-442.	2.4	22
86	Attenuated Age-Related Carotid Arterial Remodeling in Adults with a High Level of Cardiorespiratory Fitness. Journal of Atherosclerosis and Thrombosis, 2011, 18, 248-254.	2.0	22
87	Results From Japan's 2016 Report Card on Physical Activity for Children and Youth. Journal of Physical Activity and Health, 2016, 13, S189-S194.	2.0	21
88	Development and validation of a simple anthropometric equation to predict appendicular skeletal muscle mass. Clinical Nutrition, 2021, 40, 5523-5530.	5.0	21
89	The Association Between MCT1 T1470A Polymorphism and Power-Oriented Athletic Performance. International Journal of Sports Medicine, 2017, 38, 76-80.	1.7	20
90	Development of prediction equations for estimating appendicular skeletal muscle mass in Japanese men and women. Journal of Physiological Anthropology, 2017, 36, 34.	2.6	20

#	Article	IF	CITATIONS
91	Validating muscle mass cutoffs of four international sarcopeniaâ€working groups in Japanese people using DXA and BIA. Journal of Cachexia, Sarcopenia and Muscle, 2021, 12, 1000-1010.	7.3	20
92	Epistasis, physical capacity-related genes and exceptional longevity: FNDC5 gene interactions with candidate genes FOXOA3 and APOE. BMC Genomics, 2017, 18, 803.	2.8	19
93	Community-wide physical activity intervention based on the Japanese physical activity guidelines for adults: A non-randomized controlled trial. Preventive Medicine, 2018, 107, 61-68.	3.4	19
94	Association between Lifestyle Changes and at-Home Hours during and after the State of Emergency Due to the COVID-19 Pandemic in Japan. Nutrients, 2021, 13, 2698.	4.1	19
95	Attenuated Increases in Blood Pressure by Dynamic Resistance Exercise in Middle-Aged Men. Hypertension Research, 2008, 31, 1045-1053.	2.7	18
96	Associations among objectively measured physical activity, fasting plasma homocysteine concentration, and MTHFR C677T genotype. European Journal of Applied Physiology, 2011, 111, 2997-3005.	2.5	18
97	Relationships between social factors and physical activity among elderly survivors of the Great East Japan earthquake: a cross-sectional study. BMC Geriatrics, 2016, 16, 30.	2.7	18
98	Association of bioelectrical phase angle with aerobic capacity, complex gait ability and total fitness score in older adults. Experimental Gerontology, 2021, 150, 111350.	2.8	18
99	Effects of Maximal Interval Training on Arterial Oxygen Desaturation and Ventilation during Heavy Exercise The Japanese Journal of Physiology, 1999, 49, 401-407.	0.9	17
100	Comparison of ventilatory threshold and exercise habits between Japanese men with and without metabolic syndrome. Diabetes Research and Clinical Practice, 2007, 77, 314-319.	2.8	17
101	Habitual rowing exercise is associated with high physical fitness without affecting arterial stiffness in older men. Journal of Sports Sciences, 2012, 30, 241-246.	2.0	17
102	The relationship of body composition to daily physical activity in free-living Japanese adult men. British Journal of Nutrition, 2014, 111, 182-188.	2.3	17
103	Preproghrelin gene polymorphisms in obese Japanese women. Minor homozygotes are light eaters, do not prefer protein or fat, and apparently have a poor appetite. Appetite, 2013, 63, 105-111.	3.7	16
104	Lack of age-related increase in carotid artery wall viscosity in cardiorespiratory fit men. Journal of Hypertension, 2013, 31, 2370-2379.	0.5	16
105	Exhaustive exercise increases the TNF-α production in response to flagellin via the upregulation of toll-like receptor 5 in the large intestine in mice. Immunology Letters, 2014, 158, 151-158.	2.5	16
106	Mother-to-infant transmission of the carcinogenic colibactin-producing bacteria. BMC Microbiology, 2021, 21, 235.	3.3	16
107	Associations between depression and unhealthy behaviours related to metabolic syndrome: a cross sectional study. Asia Pacific Journal of Clinical Nutrition, 2017, 26, 130-140.	0.4	16
108	Intestinal microbe-dependent ï‰3 lipid metabolite αKetoA prevents inflammatory diseases in mice and cynomolgus macaques. Mucosal Immunology, 2022, 15, 289-300.	6.0	16

#	Article	IF	CITATIONS
109	Study Design of the Saku Control Obesity Program (SCOP). Anti-aging Medicine, 2007, 4, 70-73.	0.7	15
110	Relationship between changes in body weight and waist circumference in Japanese. Environmental Health and Preventive Medicine, 2007, 12, 220-223.	3.4	15
111	Resting energy expenditure can be assessed by dual-energy X-ray absorptiometry in women regardless of age and fitness. European Journal of Clinical Nutrition, 2009, 63, 529-535.	2.9	15
112	Mitochondrial Macrohaplogroup Associated with Muscle Power in Healthy Adults. International Journal of Sports Medicine, 2012, 33, 410-414.	1.7	15
113	Circulating leptin levels are associated with physical activity or physical fitness in Japanese. Environmental Health and Preventive Medicine, 2014, 19, 362-366.	3.4	15
114	FNDC5 (irisin) gene and exceptional longevity: a functional replication study with rs16835198 and rs726344 SNPs. Age, 2014, 36, 9733.	3.0	15
115	Reference Values for Cardiorespiratory Fitness and Incidence of Type 2 Diabetes. Journal of Epidemiology, 2014, 24, 25-30.	2.4	15
116	CNTFR Genotype and Sprint/power Performance: Case-control Association and Functional Studies. International Journal of Sports Medicine, 2016, 37, 411-417.	1.7	15
117	Relationship between Cardiorespiratory Fitness and Non-High-Density Lipoprotein Cholesterol: A Cohort Study. Journal of Atherosclerosis and Thrombosis, 2018, 25, 1196-1205.	2.0	15
118	Age, Sex, and Regional Differences in the Effect of COVID-19 Pandemic on Objective Physical Activity in Japan: A 2-Year Nationwide Longitudinal Study. Journal of Nutrition, Health and Aging, 2021, 25, 1032-1033.	3.3	15
119	PPARÎ ³ 2 C1431T genotype increases metabolic syndrome risk in young men with low cardiorespiratory fitness. Physiological Genomics, 2011, 43, 103-109.	2.3	14
120	Comprehensive analysis of common and rare mitochondrial DNA variants in elite Japanese athletes: a case–control study. Journal of Human Genetics, 2013, 58, 780-787.	2.3	14
121	Long-term Impact of Cardiorespiratory Fitness on Type 2 Diabetes Incidence: A Cohort Study of Japanese Men. Journal of Epidemiology, 2018, 28, 266-273.	2.4	14
122	Dietary Vitamin B1 Intake Influences Gut Microbial Community and the Consequent Production of Short-Chain Fatty Acids. Nutrients, 2022, 14, 2078.	4.1	14
123	Accuracy of Segmental Bioelectrical Impedance Analysis for Predicting Body Composition in Pre- and Postmenopausal Women. Journal of Clinical Densitometry, 2015, 18, 252-259.	1.2	13
124	Association between objectively measured physical activity and body mass index with low back pain: a large-scale cross-sectional study of Japanese men. BMC Public Health, 2018, 18, 341.	2.9	13
125	Fluctuations in carotid arterial distensibility during the menstrual cycle do not influence cardiovagal baroreflex sensitivity. Acta Physiologica, 2006, 186, 103-110.	3.8	12
126	Nonexercise models for predicting maximal oxygen uptake existing physiological basis. European Journal of Applied Physiology, 2007, 101, 265-266.	2.5	12

#	Article	IF	CITATIONS
127	Required muscle mass for preventing lifestyle-related diseases in Japanese women. BMC Public Health, 2008, 8, 291.	2.9	12
128	Higher cardiorespiratory fitness attenuates arterial stiffening associated with the Ala54Thr polymorphism in <i>FABP2</i> . Physiological Genomics, 2013, 45, 237-242.	2.3	12
129	AGTR2 and sprint/power performance: a case-control replication study for rs11091046 polymorphism in two ethnicities. Biology of Sport, 2018, 35, 105-109.	3.2	12
130	Physical Fitness and Dyslipidemia Among Japanese: A Cohort Study From the Niigata Wellness Study. Journal of Epidemiology, 2021, 31, 287-296.	2.4	12
131	Translating from 23METs-h/wk as physical activity reference value for Japanese to daily step counts. Japanese Journal of Physical Fitness and Sports Medicine, 2012, 61, 183-191.	0.0	12
132	Association of Personality (NEO-Five Factor Inventory) with Eating Behaviors and Physical Activity Levels in Obese Subjects in the Saku Control Obesity Program (SCOP). Anti-aging Medicine, 2007, 4, 43-50.	0.7	11
133	Anthropometric and Clinical Findings in Obese Japanese: The Saku Control Obesity Program (SCOP). Anti-aging Medicine, 2008, 5, 13-16.	0.7	11
134	Muscle mass and bone mineral indices: does the normalized bone mineral content differ with age?. European Journal of Clinical Nutrition, 2009, 63, 465-472.	2.9	11
135	What Behaviors Are Important for Successful Weight Maintenance?. Journal of Obesity, 2012, 2012, 1-7.	2.7	11
136	Consistently High Level of Cardiorespiratory Fitness and Incidence of Type 2 Diabetes. Medicine and Science in Sports and Exercise, 2017, 49, 2048-2055.	0.4	11
137	Combined association of cardiorespiratory fitness and family history of hypertension on the incidence of hypertension: a long-term cohort study of Japanese males. Hypertension Research, 2018, 41, 1063-1069.	2.7	11
138	Reduction in Adiposity, Î ² -Cell Function, Insulin Sensitivity, and Cardiovascular Risk Factors: A Prospective Study among Japanese with Obesity. PLoS ONE, 2013, 8, e57964.	2.5	11
139	Diet quality and physical or comprehensive frailty among older adults. European Journal of Nutrition, 2022, 61, 2451-2462.	3.9	11
140	Relationship between Blood Adipocytokines and Resting Energy Expenditure in Young and Elderly Women. Journal of Nutritional Science and Vitaminology, 2007, 53, 529-535.	0.6	10
141	The rs1333049 polymorphism on locus 9p21.3 and extreme longevity in Spanish and Japanese cohorts. Age, 2014, 36, 933-943.	3.0	10
142	Wii Fit U intensity and enjoyment in adults. BMC Research Notes, 2014, 7, 567.	1.4	10
143	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. Frontiers in Aging Neuroscience, 2015, 07, 59.	3.4	10
144	Validity of an observational assessment tool for multifaceted evaluation of faecal condition. Scientific Reports, 2019, 9, 3760.	3.3	10

#	Article	IF	CITATIONS
145	Simulating the Impact of Long-Term Care Prevention Among Older Japanese People on Healthcare Costs From 2020 to 2040 Using System Dynamics Modeling. Frontiers in Public Health, 2020, 8, 592471.	2.7	10
146	A Prospective Cohort Study of Muscular and Performance Fitness and Risk of Hearing Loss: The Niigata Wellness Study. American Journal of Medicine, 2021, 134, 235-242.e4.	1.5	10
147	Changes in Muscle Activation and Force Generation Patterns During Cycling Movements Because of Low-Intensity Squat Training With Slow Movement and Tonic Force Generation. Journal of Strength and Conditioning Research, 2009, 23, 2367-2376.	2.1	9
148	Attenuated Ageâ€Related Increases in Arterial Stiffness in Japanese and American Women. Journal of the American Geriatrics Society, 2015, 63, 1170-1174.	2.6	9
149	Palmitoleic acid induces the cardiac mitochondrial membrane permeability transition despite the presence of l-carnitine. Biochemical and Biophysical Research Communications, 2015, 463, 29-36.	2.1	9
150	Weight change after 20 years of age and the incidence of dyslipidemia: a cohort study of Japanese male workers. Journal of Public Health, 2016, 38, e77-e83.	1.8	9
151	Body flexibility and incident hypertension: The Niigata wellness study. Scandinavian Journal of Medicine and Science in Sports, 2021, 31, 702-709.	2.9	9
152	Evaluation of muscle strength and its relation to exercise habits in Japanese. Acta Medica Okayama, 2009, 63, 151-5.	0.2	9
153	Central circulatory and peripheral O2 extraction changes as interactive facilitators of pulmonary O2 uptake during a repeated high-intensity exercise protocol in humans. European Journal of Applied Physiology, 2007, 99, 361-369.	2.5	8
154	Relation between cigarette smoking and ventilatory threshold in the Japanese. Environmental Health and Preventive Medicine, 2011, 16, 185-190.	3.4	8
155	Dietary glycemic index and glycemic load in relation to HbA1c in Japanese obese adults: a cross-sectional analysis of the Saku Control Obesity Program. Nutrition and Metabolism, 2012, 9, 79.	3.0	8
156	Association of 29C>T polymorphism in the transforming growth factorâ€Î²1 gene with lean body mass in communityâ€dwelling Japanese population. Geriatrics and Gerontology International, 2012, 12, 292-297.	1.5	8
157	Circulating adiponectin levels are associated with peak oxygen uptake in Japanese. Environmental Health and Preventive Medicine, 2014, 19, 279-285.	3.4	8
158	The Q223R polymorphism in the leptin receptor associates with objectively measured light physical activity in free-living Japanese. Physiology and Behavior, 2014, 129, 199-204.	2.1	8
159	Greater Progression of Age-Related Aortic Stiffening in Adults with Poor Trunk Flexibility: A 5-Year Longitudinal Study. Frontiers in Physiology, 2017, 8, 454.	2.8	8
160	Effects of behavioral counseling on cardiometabolic biomarkers: A longitudinal analysis of the Japanese national database. Preventive Medicine, 2018, 113, 116-121.	3.4	8
161	Does Cardiorespiratory Fitness Modify the Association between Birth Weight and Insulin Resistance in Adult Life?. PLoS ONE, 2013, 8, e73967.	2.5	8
162	Muscle-Related Polymorphisms (MSTN rs1805086 and ACTN3 rs1815739) Are Not Associated with Exceptional Longevity in Japanese Centenarians. PLoS ONE, 2016, 11, e0166605.	2.5	8

#	Article	IF	CITATIONS
163	Leisureâ€time physical activity and incidence of objectively assessed hearing loss: The Niigata Wellness Study. Scandinavian Journal of Medicine and Science in Sports, 2022, 32, 435-445.	2.9	8
164	Classification of the Occurrence of Dyslipidemia Based on Gut Bacteria Related to Barley Intake. Frontiers in Nutrition, 2022, 9, 812469.	3.7	8
165	Effect of combined resistance and aerobic training on reactive hyperemia in men. Journal of Physiological Sciences, 2009, 59, 457-464.	2.1	7
166	Changes in Metabolic Syndrome and Its Components with Lifestyle Modification in Japanese Men. Internal Medicine, 2010, 49, 261-265.	0.7	7
167	Evaluation of ventilatory threshold and its relation to exercise habits among Japanese. Environmental Health and Preventive Medicine, 2010, 15, 374-380.	3.4	7
168	Relationship between peak oxygen uptake and regional body composition in Japanese subjects. Journal of Sport and Health Science, 2014, 3, 233-238.	6.5	7
169	The Association of Fit-Fat Index with Incident Diabetes in Japanese Men: A Prospective Cohort Study. Scientific Reports, 2018, 8, 569.	3.3	7
170	Importance of Achieving a "Fit―Cardiorespiratory Fitness Level for Several Years on the Incidence of Type 2 Diabetes Mellitus: A Japanese Cohort Study. Journal of Epidemiology, 2018, 28, 230-236.	2.4	7
171	Frequency of achieving a â€~fit' cardiorespiratory fitness level and hypertension. Journal of Hypertension, 2019, 37, 820-826.	0.5	7
172	The associations of eating behavior and dietary intake with metabolic syndrome in Japanese: Saku cohort baseline study. Journal of Physiological Anthropology, 2020, 39, 40.	2.6	7
173	Effects of 1-year weight loss intervention on abdominal skeletal muscle mass in Japanese overweight men and women. Asia Pacific Journal of Clinical Nutrition, 2019, 28, 72-78.	0.4	7
174	Greater forearm venous compliance in resistance-trained men. European Journal of Applied Physiology, 2010, 110, 769-777.	2.5	6
175	Mitochondrial DNA haplogroup associated with hereditary hearing loss in a Japanese population. Acta Oto-Laryngologica, 2012, 132, 1178-1182.	0.9	6
176	Serum Interleukin-18 Levels Are Associated with Physical Activity in Japanese Men. PLoS ONE, 2013, 8, e81497.	2.5	6
177	Evaluation of active video games intensity: Comparison between accelerometer-based predictions and indirect calorimetric measurements. Technology and Health Care, 2014, 22, 199-208.	1.2	6
178	Higher cardiorespiratory fitness attenuates the risk of atherosclerosis associated with ADRB3 Trp64Arg polymorphism. European Journal of Applied Physiology, 2014, 114, 1421-1428.	2.5	6
179	PTK2 rs7460 and rs7843014 Polymorphisms and Exceptional Longevity: A Functional Replication Study. Rejuvenation Research, 2014, 17, 430-438.	1.8	6
180	A missense single nucleotide polymorphism, V114I of the Werner syndrome gene, is associated with risk of osteoporosis and femoral fracture in the Japanese population. Journal of Bone and Mineral Metabolism, 2015, 33, 694-700.	2.7	6

#	Article	IF	CITATIONS
181	Caffeine Consumption Is Associated With Higher Level of Physical Activity in Japanese Women. International Journal of Sport Nutrition and Exercise Metabolism, 2018, 28, 474-479.	2.1	6
182	Association of visceral fat area with abdominal skeletal muscle distribution in overweight Japanese adults. Obesity Research and Clinical Practice, 2018, 12, 378-383.	1.8	6
183	Factors associated with sarcopenia screened by finger-circle test among middle-aged and older adults: a population-based multisite cross-sectional survey in Japan. BMC Public Health, 2021, 21, 798.	2.9	6
184	The MOTS-c K14Q polymorphism in the mtDNA is associated with muscle fiber composition and muscular performance. Biochimica Et Biophysica Acta - General Subjects, 2022, 1866, 130048.	2.4	6
185	MANTA, an integrative database and analysis platform that relates microbiome and phenotypic data. PLoS ONE, 2020, 15, e0243609.	2.5	6
186	Relationships between barley consumption and gut microbiome characteristics in a healthy Japanese population: a cross-sectional study. BMC Nutrition, 2022, 8, 23.	1.6	6
187	Results From Japan's 2018 Report Card on Physical Activity for Children and Youth. Journal of Physical Activity and Health, 2018, 15, S375-S376.	2.0	5
188	Combined aerobic and resistance training, and incidence of diabetes: A retrospective cohort study in Japanese older women. Journal of Diabetes Investigation, 2019, 10, 997-1003.	2.4	5
189	Association between socioeconomic status and physical inactivity in a general Japanese population: NIPPON DATA2010. PLoS ONE, 2021, 16, e0254706.	2.5	5
190	EFFECTS OF WATER IMMERSION ON SYSTEMIC CARDIOVASCULAR RESPONSES DURING RECOVERY PERIOD FOLLOWING STEADY STATE LAND EXERCISE. Japanese Journal of Physical Fitness and Sports Medicine, 2002, 51, 265-273.	0.0	5
191	Effect of a 1-year intervention comprising brief counselling sessions and low-dose physical activity recommendations in Japanese adults, and retention of the effect at 2Âyears: a randomized trial. BMC Sports Science, Medicine and Rehabilitation, 2021, 13, 133.	1.7	5
192	Association Between Temporal Changes in Diet Quality and Concurrent Changes in Dietary Intake, Body Mass Index, and Physical Activity Among Japanese Adults: A Longitudinal Study. Frontiers in Nutrition, 2022, 9, 753127.	3.7	5
193	THIS ARTICLE HAS BEEN RETRACTED MUSCLE VOLUME AND STRENGTH AND ARTERIAL COMPLIANCE AFTER WALK TRAINING WITH BLOOD FLOW REDUCTION IN ELDERLY WOMEN. Journal of the American Geriatrics Society, 2010, 58, 1597-1598.	2.6	4
194	Evaluation of anthropometric parameters and physical fitness in elderly Japanese. Environmental Health and Preventive Medicine, 2012, 17, 62-68.	3.4	4
195	Relationship between macrophage differentiation and the chemotactic activity toward damaged myoblast cells. Journal of Immunological Methods, 2013, 393, 61-69.	1.4	4
196	Serum vaspin levels are associated with physical activity or physical fitness in Japanese: a pilot study. Environmental Health and Preventive Medicine, 2014, 19, 200-206.	3.4	4
197	Stool pattern is associated with not only the prevalence of tumorigenic bacteria isolated from fecal matter but also plasma and fecal fatty acids in healthy Japanese adults. BMC Microbiology, 2021, 21, 196.	3.3	4
198	A community-wide intervention to promote physical activity: A five-year quasi-experimental study. Preventive Medicine, 2021, 150, 106708.	3.4	4

#	Article	IF	CITATIONS
199	Linkage between oxygen uptake at ventilatory threshold and muscle strength in subjects with and without metabolic syndrome. Acta Medica Okayama, 2007, 61, 255-9.	0.2	4
200	The Use of a Uniaxial Accelerometer to Assess Physical-activity-related Energy Expenditure in Obese Men and Women: Saku Control Obesity Program (SCOP). Anti-aging Medicine, 2008, 5, 1-5.	0.7	3
201	Increasing Leg Strength per Body Weight is Associated with Improvements in Metabolic Syndrome in Japanese Men. Anti-aging Medicine, 2009, 6, 1-4.	0.7	3
202	Body Fat Percentage Measured by Dual Energy X-ray Absorptiometry is Associated with Maximal Oxygen Uptake in Japanese. Anti-aging Medicine, 2009, 6, 41-45.	0.7	3
203	Association of high individual-level of social capital with increased physical activity among community-dwelling elderly men and women: a cross-sectional study. Japanese Journal of Physical Fitness and Sports Medicine, 2018, 67, 177-185.	0.0	3
204	Association between socioeconomic status and prolonged television viewing time in a general Japanese population: NIPPON DATA2010. Environmental Health and Preventive Medicine, 2021, 26, 57.	3.4	3
205	Oxygen Uptake Kinetics Following 20 Days of Unilateral Lower Limb Suspension. Journal of Physiological Sciences, 2006, 56, 347-353.	2.1	3
206	A Prospective Cohort Study of Muscular and Performance Fitness and Incident Glaucoma: The Niigata Wellness Study. Journal of Physical Activity and Health, 2020, 17, 1171-1178.	2.0	3
207	CD56dimCD16high and CD56brightCD16â~' cell percentages associated with maximum knee extensor strength and incidence of death in elderly. SpringerPlus, 2016, 5, 244.	1.2	2
208	rs2802292 polymorphism in the FOXO3A gene and exceptional longevity in two ethnically distinct cohorts. Maturitas, 2016, 92, 110-114.	2.4	2
209	Effects of Combined Aerobic and Resistance Training. Medicine and Science in Sports and Exercise, 2017, 49, 34.	0.4	2
210	Awareness of physical activity promotion, physical activity, and sedentary behavior in elderly Japanese. The Journal of Physical Fitness and Sports Medicine, 2018, 7, 113-119.	0.3	2
211	Objectively Measured Physical Activity and Low Back Pain in Japanese Men. Journal of Physical Activity and Health, 2018, 15, 417-422.	2.0	2
212	Greater arterial wall viscosity in endurance-trained men. European Journal of Applied Physiology, 2021, 121, 2219-2228.	2.5	2
213	Energy Expenditure in Free-Living Japanese People with Obesity and Type 2 Diabetes, Measured Using the Doubly-Labeled Water Method. Journal of Nutritional Science and Vitaminology, 2020, 66, 319-324.	0.6	2
214	EFFECT OF ENDURANCE TRAINING FOR 8 WEEKS ON THE CROSSSECTIONAL AREA OF INFERIOR VENA CAVA IN HUMANS. Japanese Journal of Physical Fitness and Sports Medicine, 1999, 48, 91-97.	0.0	2
215	THE HIGHER CALF PRESSURE INDUCED BY WEARING GRADUATED ELASTIC COMPRESSION STOCKING INCREASES CALF VENOUS COMPLIANCE. Japanese Journal of Physical Fitness and Sports Medicine, 2006, 55, 421-428.	0.0	2
216	How many food items must be consumed to meet the recommended dietary protein intake for older Japanese adults?. Geriatrics and Gerontology International, 2022, 22, 181-183.	1.5	2

#	Article	IF	CITATIONS
217	Leg Strength per Body Weight is Associated with Ventilatory Threshold in Japanese Women. Anti-aging Medicine, 2009, 6, 5-9.	0.7	1
218	Active video games for health promotion: from METs evaluation to physcial intervention in young adults. Japanese Journal of Physical Fitness and Sports Medicine, 2014, 63, 159-159.	0.0	1
219	Tracking of cardiorespiratory fitness in Japanese men. The Journal of Physical Fitness and Sports Medicine, 2018, 7, 25-33.	0.3	1
220	Compliance with a physical activity guideline among junior high school students. Pediatrics International, 2021, 63, 1514-1520.	0.5	1
221	Association of habitual exercise with adults' mental health following the Fukushima Daiichi nuclear power plant accident: the Fukushima Health Management Survey. Mental Health and Physical Activity, 2021, 20, 100388.	1.8	1
222	EFFECT OF INTERVAL TRAINING FOR 12 WEEKS ON DIASTOLIC FILLING OF LEFT VENTRICLE DURING MILD EXERCISE. Japanese Journal of Physical Fitness and Sports Medicine, 1995, 44, 541-546.	0.0	1
223	ECHOGRAPHIC SIZE AND DOPPLER BLOOD FLOW PROFILE OF ASCENDING AORTA IN ENDURANCE-TRAINED ATHLETES. Japanese Journal of Physical Fitness and Sports Medicine, 1999, 48, 301-313.	0.0	1
224	Exercise intensity during walking football game. Japanese Journal of Physical Fitness and Sports Medicine, 2020, 69, 335-341.	0.0	1
225	Relationship between thigh muscle cross-sectional areas and single leg stand-up test in Japanese older women. PLoS ONE, 2022, 17, e0269103.	2.5	1
226	THE RELATIONSHIP BETWEEN RESTING BRADYCARDIA WITH ENDURANCE TRAINING AND AUTONOMIC NERVOUS SYSTEM MODULATION. Japanese Journal of Physical Fitness and Sports Medicine, 2001, 50, 613-623.	0.0	0
227	Maximal oxygen uptake is associated with dimensions in left ventricle and aorta. Taiikugaku Kenkyu (Japan Journal of Physical Education Health and Sport Sciences), 2003, 48, 691-703.	0.1	Ο
228	Remaining Questions Concerning Wearable Devices—Reply. JAMA Internal Medicine, 2016, 176, 1409.	5.1	0
229	Fatness and Low Back Pain. Medicine and Science in Sports and Exercise, 2017, 49, 791-792.	0.4	Ο
230	Effect Of Cardiorespiratory Fitness On Blood Glucose Trajectory With Aging. Medicine and Science in Sports and Exercise, 2017, 49, 846.	0.4	0
231	Development of affective experience, attitude, and behavioral intention scales for exercise and their associations with exercise behavior. Japanese Journal of Physical Fitness and Sports Medicine, 2019, 68, 105-116.	0.0	Ο
232	Chronic Dietary Animal Protein Intake Cancels Resistance Training-induced Increase In Arterial Stiffness In Older Women. Medicine and Science in Sports and Exercise, 2021, 53, 79-79.	0.4	0
233	第45回日本伓力医å¦ä¼šä¸å›½ãƒ»å››å›½åœ°æ–¹ä¼š. Japanese Journal of Physical Fitness and Sp	ort o.M edi	cin e , 2000, 4
234	第49回日本体力医å¦ä¼šäˌ国・四国地方会. Japanese Journal of Physical Fitness and Sp	ort o.M edi	cin e , 2002, 51

#	Article	IF	CITATIONS
235	Effect of intensive interval cycling training during unilateral lower limb unloading on aerobic capacity. Japanese Journal of Physical Fitness and Sports Medicine, 2008, 57, 84-84.	0.0	0
236	Influence of Cardiorespiratory Fitness and Drinking Habits on Total Cancer Mortality: A Cohort Study of Japanese Man. Japanese Journal of Physical Fitness and Sports Medicine, 2013, 62, 375-381.	0.0	0
237	THE EFFECT OF MAXIMAL INTERVAL TRAINING FOR 10 WEEKS ON ARTERIAL OXYGEN SATURATION DURING HEAVY EXERCISE. Japanese Journal of Physical Fitness and Sports Medicine, 1996, 45, 219-226.	0.0	0
238	COMPARISON OF BLOOD VELOCITY PROFILE IN THE LEFT VENTRICLE AT REST AND DURING EXERCISE BETWEEN ENDURANCE TRAINED AND SEDETARY CONTROL SUBJECTS. Japanese Journal of Physical Fitness and Sports Medicine, 1998, 47, 181-187.	0.0	0
239	REPRODUCIBILITY OF THE ULTRASONOGRAPHIC MORPHOMETRY OF INFERIOR VENA CAVAL CROSS-SECTIONAL AREA CONSIDERED THE RESPIRATORY VARIABILITY. Japanese Journal of Physical Fitness and Sports Medicine, 1998, 47, 623-627.	0.0	0
240	EFFECTS OF ENDURANCE TRAINING ON THE THICKNESS OF THE MUSCLE FIBER-CAPILLARY BARRIER IN SOLEUS MUSCLE OF GROWING RATS. Japanese Journal of Physical Fitness and Sports Medicine, 1999, 48, 161-169.	0.0	0
241	Relationship of Cardiorespiratory Fitness and Obesity Genes to Metabolic Syndrome in Adult Japanese Men. , 2015, , 171-191.		0
242	Associations of Waist-to-Height Ratio with Various Emotional and Irregular Eating, and Making Environment to Promote Eating in Japanese Adults: The Saku Cohort Study. Sports and Exercise Medicine - Open Journal, 2017, 3, 20-30.	0.3	0
243	Physical activity, METs, and energy expenditure. Journal of the Japanese Society for Food Science and Technology, 2019, 66, 57-57.	0.1	0
244	Rationale Diagnostic Criteria of the Metabolic Syndrome. Diabetes Research (Fairfax, Va), 2019, 5, 1-7.	0.4	0
245	A Prospective Cohort Study of Physical Fitness and Incident Glaucoma: The Niigata Wellness Study. Medicine and Science in Sports and Exercise, 2019, 51, 222-222.	0.4	0
246	A Prospective Cohort Study Of Physical Fitness And Incident Hearing Loss: The Niigata Wellness Study. Medicine and Science in Sports and Exercise, 2020, 52, 421-421.	0.4	0
247	MANTA, an integrative database and analysis platform that relates microbiome and phenotypic data. , 2020, 15, e0243609.		0
248	MANTA, an integrative database and analysis platform that relates microbiome and phenotypic data. , 2020, 15, e0243609.		0
249	MANTA, an integrative database and analysis platform that relates microbiome and phenotypic data. , 2020, 15, e0243609.		0
250	MANTA, an integrative database and analysis platform that relates microbiome and phenotypic data. , 2020, 15, e0243609.		0
251	MANTA, an integrative database and analysis platform that relates microbiome and phenotypic data. , 2020, 15, e0243609.		0
252	MANTA, an integrative database and analysis platform that relates microbiome and phenotypic data. , 2020, 15, e0243609.		0

#	Article	IF	CITATIONS
253	Weight over-reporting is associated with low muscle mass among community-dwelling Japanese adults aged 40 years and older: a cross sectional study. Journal of Physiological Anthropology, 2022, 41, 19.	2.6	0