

Mark Andrew Tarnopolsky

List of Publications by Year in descending order

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Version: 2024-02-01

359
papers

21,705
citations

6254

80
h-index

12597

132
g-index

369
all docs

369
docs citations

369
times ranked

21831
citing authors

#	ARTICLE	IF	CITATIONS
1	Short-term sprint intervalversustraditional endurance training: similar initial adaptations in human skeletal muscle and exercise performance. <i>Journal of Physiology</i> , 2006, 575, 901-911.	2.9	772
2	Differential effects of resistance and endurance exercise in the fed state on signalling molecule phosphorylation and protein synthesis in human muscle. <i>Journal of Physiology</i> , 2008, 586, 3701-3717.	2.9	494
3	A practical model of low-volume high-intensity interval training induces mitochondrial biogenesis in human skeletal muscle: potential mechanisms. <i>Journal of Physiology</i> , 2010, 588, 1011-1022.	2.9	479
4	Consumption of fluid skim milk promotes greater muscle protein accretion after resistance exercise than does consumption of an isonitrogenous and isoenergetic soy-protein beverage. <i>American Journal of Clinical Nutrition</i> , 2007, 85, 1031-1040.	4.7	433
5	Diagnosis and management of mitochondrial disease: a consensus statement from the Mitochondrial Medicine Society. <i>Genetics in Medicine</i> , 2015, 17, 689-701.	2.4	414
6	Consumption of fat-free fluid milk after resistance exercise promotes greater lean mass accretion than does consumption of soy or carbohydrate in young, novice, male weightlifters. <i>American Journal of Clinical Nutrition</i> , 2007, 86, 373-381.	4.7	400
7	AMP-activated protein kinase (AMPK) $\hat{1}^2\hat{1}^2$ muscle null mice reveal an essential role for AMPK in maintaining mitochondrial content and glucose uptake during exercise. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 16092-16097.	7.1	357
8	Influence of endurance exercise training and sex on intramyocellular lipid and mitochondrial ultrastructure, substrate use, and mitochondrial enzyme activity. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2007, 292, R1271-R1278.	1.8	338
9	Postactivation potentiation, fiber type, and twitch contraction time in human knee extensor muscles. <i>Journal of Applied Physiology</i> , 2000, 88, 2131-2137.	2.5	333
10	Endurance exercise rescues progeroid aging and induces systemic mitochondrial rejuvenation in mtDNA mutator mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 4135-4140.	7.1	313
11	The potential of endurance exercise-derived exosomes to treat metabolic diseases. <i>Nature Reviews Endocrinology</i> , 2016, 12, 504-517.	9.6	313
12	Resistance Exercise Reverses Aging in Human Skeletal Muscle. <i>PLoS ONE</i> , 2007, 2, e465.	2.5	267
13	Exercise Increases Mitochondrial PGC- $1\hat{\pm}$ Content and Promotes Nuclear-Mitochondrial Cross-talk to Coordinate Mitochondrial Biogenesis. <i>Journal of Biological Chemistry</i> , 2011, 286, 10605-10617.	3.4	267
14	An acute bout of high-intensity interval training increases the nuclear abundance of PGC- $1\hat{\pm}$ and activates mitochondrial biogenesis in human skeletal muscle. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2011, 300, R1303-R1310.	1.8	252
15	Twelve Weeks of Sprint Interval Training Improves Indices of Cardiometabolic Health Similar to Traditional Endurance Training despite a Five-Fold Lower Exercise Volume and Time Commitment. <i>PLoS ONE</i> , 2016, 11, e0154075.	2.5	246
16	Beneficial effects of creatine, CoQ10, and lipoic acid in mitochondrial disorders. <i>Muscle and Nerve</i> , 2007, 35, 235-242.	2.2	235
17	Potential for creatine and other therapies targeting cellular energy dysfunction in neurological disorders. <i>Annals of Neurology</i> , 2001, 49, 561-574.	5.3	230
18	Genetic risk factors associated with lipid-lowering drug-induced myopathies. <i>Muscle and Nerve</i> , 2006, 34, 153-162.	2.2	226

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19	Sex Differences in Exercise Metabolism and the Role of 17-Beta Estradiol. <i>Medicine and Science in Sports and Exercise</i> , 2008, 40, 648-654.	0.4	223
20	Massage Therapy Attenuates Inflammatory Signaling After Exercise-Induced Muscle Damage. <i>Science Translational Medicine</i> , 2012, 4, 119ra13.	12.4	223
21	The Effect of Aging on Human Skeletal Muscle Mitochondrial and Intramyocellular Lipid Ultrastructure. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2010, 65A, 119-128.	3.6	207
22	Oxidative stress and the mitochondrial theory of aging in human skeletal muscle. <i>Experimental Gerontology</i> , 2004, 39, 1391-1400.	2.8	204
23	Protein requirements for endurance athletes. <i>Nutrition</i> , 2004, 20, 662-668.	2.4	195
24	Creatine Supplementation Enhances Isometric Strength and Body Composition Improvements Following Strength Exercise Training in Older Adults. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2003, 58, B11-B19.	3.6	193
25	<i>GRIN2B</i> encephalopathy: novel findings on phenotype, variant clustering, functional consequences and treatment aspects. <i>Journal of Medical Genetics</i> , 2017, 54, 460-470.	3.2	190
26	miRNA in the Regulation of Skeletal Muscle Adaptation to Acute Endurance Exercise in C57Bl/6J Male Mice. <i>PLoS ONE</i> , 2009, 4, e5610.	2.5	189
27	Creatine monohydrate increases strength in patients with neuromuscular disease. <i>Neurology</i> , 1999, 52, 854-854.	1.1	188
28	Real-time RT-PCR analysis of housekeeping genes in human skeletal muscle following acute exercise. <i>Physiological Genomics</i> , 2004, 18, 226-231.	2.3	183
29	Suction-modified Bergström muscle biopsy technique: Experience with 13,500 procedures. <i>Muscle and Nerve</i> , 2011, 43, 716-725.	2.2	183
30	Endurance exercise training attenuates leucine oxidation and BCOAD activation during exercise in humans. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2000, 278, E580-E587.	3.5	178
31	Myostatin inhibitor ACE031 treatment of ambulatory boys with Duchenne muscular dystrophy: Results of a randomized, placebo-controlled clinical trial. <i>Muscle and Nerve</i> , 2017, 55, 458-464.	2.2	176
32	Expanding the Boundaries of RNA Sequencing as a Diagnostic Tool for Rare Mendelian Disease. <i>American Journal of Human Genetics</i> , 2019, 104, 466-483.	6.2	176
33	Aberrant Mitochondrial Homeostasis in the Skeletal Muscle of Sedentary Older Adults. <i>PLoS ONE</i> , 2010, 5, e10778.	2.5	173
34	Patient care standards for primary mitochondrial disease: a consensus statement from the Mitochondrial Medicine Society. <i>Genetics in Medicine</i> , 2017, 19, 1380-1397.	2.4	173
35	Acute creatine loading increases fat-free mass, but does not affect blood pressure, plasma creatinine, or CK activity in men and women. <i>Medicine and Science in Sports and Exercise</i> , 2000, 32, 291.	0.4	164
36	Resistance exercise training decreases oxidative damage to DNA and increases cytochrome oxidase activity in older adults. <i>Experimental Gerontology</i> , 2005, 40, 173-180.	2.8	164

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37	Caffeine potentiates low frequency skeletal muscle force in habitual and nonhabitual caffeine consumers. <i>Journal of Applied Physiology</i> , 2000, 89, 1719-1724.	2.5	161
38	Superior mitochondrial adaptations in human skeletal muscle after interval compared to continuous single-leg cycling matched for total work. <i>Journal of Physiology</i> , 2017, 595, 2955-2968.	2.9	148
39	Limb Immobilization Induces a Coordinate Down-Regulation of Mitochondrial and Other Metabolic Pathways in Men and Women. <i>PLoS ONE</i> , 2009, 4, e6518.	2.5	147
40	Antioxidant enzyme activity is up-regulated after unilateral resistance exercise training in older adults. <i>Free Radical Biology and Medicine</i> , 2005, 39, 289-295.	2.9	145
41	Genome-wide <sc>DNA</sc> methylation changes with age in disease-free human skeletal muscle. <i>Aging Cell</i> , 2014, 13, 360-366.	6.7	145
42	Association of depression & health related quality of life with body composition in children and youth with obesity. <i>Journal of Affective Disorders</i> , 2015, 172, 18-23.	4.1	143
43	Myostatin is associated with age-related human muscle stem cell dysfunction. <i>FASEB Journal</i> , 2012, 26, 2509-2521.	0.5	139
44	Exosomes as Mediators of the Systemic Adaptations to Endurance Exercise. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2018, 8, a029827.	6.2	136
45	Contraction-induced muscle damage is unaffected by vitamin E supplementation. <i>Medicine and Science in Sports and Exercise</i> , 2002, 34, 798-805.	0.4	134
46	Three Minutes of All-Out Intermittent Exercise per Week Increases Skeletal Muscle Oxidative Capacity and Improves Cardiometabolic Health. <i>PLoS ONE</i> , 2014, 9, e111489.	2.5	134
47	Menstrual cycle phase and sex influence muscle glycogen utilization and glucose turnover during moderate-intensity endurance exercise. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2006, 291, R1120-R1128.	1.8	133
48	The Psychiatric Manifestations of Mitochondrial Disorders. <i>Journal of Clinical Psychiatry</i> , 2012, 73, 506-512.	2.2	131
49	Adipocyte Hypertrophy, Fatty Liver and Metabolic Risk Factors in South Asians: The Molecular Study of Health and Risk in Ethnic Groups (mol-SHARE). <i>PLoS ONE</i> , 2011, 6, e22112.	2.5	128
50	Acute endurance exercise increases the nuclear abundance of PGC-1 β in trained human skeletal muscle. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2010, 298, R912-R917.	1.8	126
51	Effects of high-intensity endurance exercise training in the G93A mouse model of amyotrophic lateral sclerosis. <i>Muscle and Nerve</i> , 2004, 29, 656-662.	2.2	125
52	Diagnostic Utility of Genome-wide DNA Methylation Testing in Genetically Unsolved Individuals with Suspected Hereditary Conditions. <i>American Journal of Human Genetics</i> , 2019, 104, 685-700.	6.2	125
53	Effect of protein source on resistive-training-induced changes in body composition and muscle size in older men. <i>American Journal of Clinical Nutrition</i> , 2002, 76, 511-517.	4.7	124
54	Sex-based differences in skeletal muscle function and morphology with short-term limb immobilization. <i>Journal of Applied Physiology</i> , 2005, 99, 1085-1092.	2.5	124

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55	Dysfunctional Nrf2-Keap1 redox signaling in skeletal muscle of the sedentary old. <i>Free Radical Biology and Medicine</i> , 2010, 49, 1487-1493.	2.9	124
56	Gender differences in carbohydrate loading are related to energy intake. <i>Journal of Applied Physiology</i> , 2001, 91, 225-230.	2.5	123
57	Exercise-stimulated interleukin-15 is controlled by AMPK and regulates skin metabolism and aging. <i>Aging Cell</i> , 2015, 14, 625-634.	6.7	123
58	Effect of caffeine on the neuromuscular system - potential as an ergogenic aid. <i>Applied Physiology, Nutrition and Metabolism</i> , 2008, 33, 1284-1289.	1.9	121
59	Creatine Monohydrate and Conjugated Linoleic Acid Improve Strength and Body Composition Following Resistance Exercise in Older Adults. <i>PLoS ONE</i> , 2007, 2, e991.	2.5	120
60	Caffeine and Endurance Performance. <i>Sports Medicine</i> , 1994, 18, 109-125.	6.5	118
61	Global and targeted gene expression and protein content in skeletal muscle of young men following short-term creatine monohydrate supplementation. <i>Physiological Genomics</i> , 2008, 32, 219-228.	2.3	116
62	Fluvastatin Causes NLRP3 Inflammasome-Mediated Adipose Insulin Resistance. <i>Diabetes</i> , 2014, 63, 3742-3747.	0.6	116
63	Protein Requirements for Endurance Athletes. <i>European Journal of Sport Science</i> , 2004, 4, 1-15.	2.7	114
64	Mitochondrial Myopathies: Diagnosis, Exercise Intolerance, and Treatment Options. <i>Medicine and Science in Sports and Exercise</i> , 2005, 37, 2086-2093.	0.4	114
65	Estrogen Supplementation Reduces Whole Body Leucine and Carbohydrate Oxidation and Increases Lipid Oxidation in Men during Endurance Exercise. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2005, 90, 3592-3599.	3.6	114
66	A randomized trial of coenzyme Q ₁₀ in mitochondrial disorders. <i>Muscle and Nerve</i> , 2010, 42, 739-748.	2.2	112
67	Patients with dystrophinopathy show evidence of increased oxidative stress. <i>Free Radical Biology and Medicine</i> , 2003, 34, 1217-1220.	2.9	103
68	Childhood amyotrophic lateral sclerosis caused by excess sphingolipid synthesis. <i>Nature Medicine</i> , 2021, 27, 1197-1204.	30.7	96
69	Contraction-induced muscle damage in humans following calcium channel blocker administration. <i>Journal of Physiology</i> , 2002, 544, 849-859.	2.9	94
70	Perspectives on Exertional Rhabdomyolysis. <i>Sports Medicine</i> , 2017, 47, 33-49.	6.5	94
71	Endurance training without weight loss lowers systemic, but not muscle, oxidative stress with no effect on inflammation in lean and obese women. <i>Free Radical Biology and Medicine</i> , 2008, 45, 503-511.	2.9	92
72	Hypotension following mild bouts of resistance exercise and submaximal dynamic exercise. <i>European Journal of Applied Physiology</i> , 1999, 79, 148-154.	2.5	91

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73	Intermittent and continuous high-intensity exercise training induce similar acute but different chronic muscle adaptations. <i>Experimental Physiology</i> , 2014, 99, 782-791.	2.0	91
74	Effect of oral creatine supplementation on muscle [PCr] and short-term maximum power output. <i>Medicine and Science in Sports and Exercise</i> , 1997, 29, 216-219.	0.4	91
75	Potential Side Effects of Oral Creatine Supplementation. <i>Clinical Journal of Sport Medicine</i> , 1998, 8, 298-304.	1.8	90
76	Caffeine and Creatine Use in Sport. <i>Annals of Nutrition and Metabolism</i> , 2010, 57, 1-8.	1.9	88
77	Low intensity training decreases markers of oxidative stress in skeletal muscle of mdx mice. <i>Free Radical Biology and Medicine</i> , 2007, 43, 145-154.	2.9	87
78	Hepatocyte growth factor (HGF) and the satellite cell response following muscle lengthening contractions in humans. <i>Muscle and Nerve</i> , 2008, 38, 1434-1442.	2.2	87
79	Influence of gender, menstrual phase, and oral contraceptive use on immunological changes in response to prolonged cycling. <i>Journal of Applied Physiology</i> , 2005, 99, 979-985.	2.5	86
80	Metabolic Myopathies: Update 2009. <i>Journal of Clinical Neuromuscular Disease</i> , 2009, 10, 97-121.	0.7	85
81	Effect of Endurance Exercise on Hepatic Lipid Content, Enzymes, and Adiposity in Men and Women. <i>Obesity</i> , 2008, 16, 2281-2288.	3.0	84
82	BAFopathies™ DNA methylation epi-signatures demonstrate diagnostic utility and functional continuum of Coffin-Siris and Nicolaides-Baraitser syndromes. <i>Nature Communications</i> , 2018, 9, 4885.	12.8	83
83	Creatine Monohydrate Supplementation Enhances High-Intensity Exercise Performance in Males and Females.. <i>International Journal of Sport Nutrition and Exercise Metabolism</i> , 2000, 10, 452-463.	2.1	79
84	Substrate Utilization during Exercise Performed with and Without Glucose Ingestion in Female and Male Endurance-Trained Athletes. <i>International Journal of Sport Nutrition and Exercise Metabolism</i> , 2003, 13, 407-421.	2.1	76
85	Eccentric Exercise Increases Satellite Cell Content in Type II Muscle Fibers. <i>Medicine and Science in Sports and Exercise</i> , 2013, 45, 230-237.	0.4	76
86	Creatine for treating muscle disorders. <i>The Cochrane Library</i> , 2013, 2013, CD004760.	2.8	76
87	Sex Differences in Global mRNA Content of Human Skeletal Muscle. <i>PLoS ONE</i> , 2009, 4, e6335.	2.5	75
88	Physiological responses to caffeine during endurance running in habitual caffeine users. <i>Medicine and Science in Sports and Exercise</i> , 1989, 21, 418-424.	0.4	74
89	Myofibrillar disruption following acute concentric and eccentric resistance exercise in strength-trained men. <i>Canadian Journal of Physiology and Pharmacology</i> , 2000, 78, 656-661.	1.4	74
90	Satellite cell number and cell cycle kinetics in response to acute myotrauma in humans: immunohistochemistry versus flow cytometry. <i>Journal of Physiology</i> , 2010, 588, 3307-3320.	2.9	73

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91	Caloric restriction transiently improves motor performance but hastens clinical onset of disease in the Cu/Zn-superoxide dismutase mutant G93A mouse. <i>Muscle and Nerve</i> , 2005, 31, 214-220.	2.2	72
92	Mitochondrial Encephalopathy With Lactic Acidosis and Stroke-like Episodes (MELAS) May Respond to Adjunctive Ketogenic Diet. <i>Pediatric Neurology</i> , 2014, 50, 498-502.	2.1	72
93	Altered mitochondrial bioenergetics and ultrastructure in the skeletal muscle of young adults with type 1 diabetes. <i>Diabetologia</i> , 2018, 61, 1411-1423.	6.3	72
94	Nutritional therapy improves function and complements corticosteroid intervention in mdx mice. <i>Muscle and Nerve</i> , 2006, 33, 66-77.	2.2	71
95	Oxidative stress and antioxidant enzyme upregulation in SOD1-G93A mouse skeletal muscle. <i>Muscle and Nerve</i> , 2006, 33, 809-816.	2.2	71
96	Endurance Training Modulates Intramyocellular Lipid Compartmentalization and Morphology in Skeletal Muscle of Lean and Obese Women. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2013, 98, 4852-4862.	3.6	71
97	Molecular characterization of NRXN1 deletions from 19,263 clinical microarray cases identifies exons important for neurodevelopmental disease expression. <i>Genetics in Medicine</i> , 2017, 19, 53-61.	2.4	70
98	Evidence for the contribution of muscle stem cells to nonhypertrophic skeletal muscle remodeling in humans. <i>FASEB Journal</i> , 2013, 27, 4596-4605.	0.5	69
99	Elevated SOCS3 and altered IL-6 signaling is associated with age-related human muscle stem cell dysfunction. <i>American Journal of Physiology - Cell Physiology</i> , 2013, 304, C717-C728.	4.6	69
100	Loss of the sphingolipid desaturase DEGS1 causes hypomyelinating leukodystrophy. <i>Journal of Clinical Investigation</i> , 2019, 129, 1240-1256.	8.2	68
101	Exercise, sex, menstrual cycle phase, and 17 β -estradiol influence metabolism-related genes in human skeletal muscle. <i>Physiological Genomics</i> , 2009, 40, 34-47.	2.3	67
102	IMCL area density, but not IMCL utilization, is higher in women during moderate-intensity endurance exercise, compared with men. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2007, 293, R2336-R2342.	1.8	66
103	Long-term Aerobic Exercise Is Associated With Greater Muscle Strength Throughout the Life Span. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2013, 68, 631-638.	3.6	65
104	Creatine monohydrate supplementation does not increase muscle strength, lean body mass, or muscle phosphocreatine in patients with myotonic dystrophy type 1. <i>Muscle and Nerve</i> , 2004, 29, 51-58.	2.2	64
105	The Psychiatric Presentation of Mitochondrial Disorders in Adults. <i>Journal of Neuropsychiatry and Clinical Neurosciences</i> , 2012, 24, 394-409.	1.8	64
106	17 β -Estradiol Supplementation Decreases Glucose Rate of Appearance and Disappearance with No Effect on Glycogen Utilization during Moderate Intensity Exercise in Men. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2005, 90, 6218-6225.	3.6	63
107	Men supplemented with 17 β -estradiol have increased \dot{V} _{O₂} -oxidation capacity in skeletal muscle. <i>Physiological Genomics</i> , 2010, 42, 342-347.	2.3	63
108	Digital PCR methods improve detection sensitivity and measurement precision of low abundance mtDNA deletions. <i>Scientific Reports</i> , 2016, 6, 25186.	3.3	63

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109	Perilipin family (PLIN) proteins in human skeletal muscle: the effect of sex, obesity, and endurance training. <i>Applied Physiology, Nutrition and Metabolism</i> , 2012, 37, 724-735.	1.9	61
110	Creatine-dextrose and protein-dextrose induce similar strength gains during training. <i>Medicine and Science in Sports and Exercise</i> , 2001, 33, 2044-2052.	0.4	60
111	Body-weight-support treadmill training improves blood glucose regulation in persons with incomplete spinal cord injury. <i>Journal of Applied Physiology</i> , 2004, 97, 716-724.	2.5	60
112	Caloric Restriction Shortens Lifespan through an Increase in Lipid Peroxidation, Inflammation and Apoptosis in the G93A Mouse, an Animal Model of ALS. <i>PLoS ONE</i> , 2010, 5, e9386.	2.5	60
113	Lifelong aerobic exercise protects against inflammaging and cancer. <i>PLoS ONE</i> , 2019, 14, e0210863.	2.5	60
114	Sex differences in carbohydrate metabolism. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2001, 4, 521-526.	2.5	59
115	Mitochondria and Aging – The Role of Exercise as a Countermeasure. <i>Biology</i> , 2019, 8, 40.	2.8	58
116	The unfolded protein response is triggered following a single, unaccustomed resistance-exercise bout. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2014, 307, R664-R669.	1.8	57
117	Salsalate (Salicylate) Uncouples Mitochondria, Improves Glucose Homeostasis, and Reduces Liver Lipids Independent of AMPK- β 1. <i>Diabetes</i> , 2016, 65, 3352-3361.	0.6	57
118	Myoadenylate deaminase deficiency does not affect muscle anaplerosis during exhaustive exercise in humans. <i>Journal of Physiology</i> , 2001, 533, 881-889.	2.9	56
119	Diagnostic utility of a modified forearm ischemic exercise test and technical issues relevant to exercise testing. <i>Muscle and Nerve</i> , 2003, 27, 359-366.	2.2	55
120	Solid organ transplantation in primary mitochondrial disease: Proceed with caution. <i>Molecular Genetics and Metabolism</i> , 2016, 118, 178-184.	1.1	55
121	Pompe Disease: Diagnosis and Management. Evidence-Based Guidelines from a Canadian Expert Panel. <i>Canadian Journal of Neurological Sciences</i> , 2016, 43, 472-485.	0.5	54
122	Clinical Use of Creatine in Neuromuscular and Neurometabolic Disorders. , 2007, 46, 183-204.		54
123	Women Have Higher Protein Content of β -Oxidation Enzymes in Skeletal Muscle than Men. <i>PLoS ONE</i> , 2010, 5, e12025.	2.5	53
124	Defects in mitochondrial DNA replication and oxidative damage in muscle of mtDNA mutator mice. <i>Free Radical Biology and Medicine</i> , 2014, 75, 241-251.	2.9	53
125	Naproxen does not alter indices of muscle damage in resistance-exercise trained men. <i>Medicine and Science in Sports and Exercise</i> , 1999, 31, 4-9.	0.4	53
126	Resistance training exercise and creatine in patients with Charcot-Marie-Tooth disease. <i>Muscle and Nerve</i> , 2004, 30, 69-76.	2.2	52

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127	Transgenerational effects of fetal and neonatal exposure to nicotine. <i>Endocrine</i> , 2007, 31, 254-259.	2.2	52
128	Potential benefits of creatine monohydrate supplementation in the elderly. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2000, 3, 497-502.	2.5	51
129	Nutritional and exercise-based therapies in the treatment of mitochondrial disease. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2002, 5, 619-629.	2.5	51
130	Satellite cell activity, without expansion, after nonhypertrophic stimuli. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2015, 309, R1101-R1111.	1.8	49
131	Clinical variability in maternally inherited leber hereditary optic neuropathy with the G14459A mutation. <i>American Journal of Medical Genetics Part A</i> , 2004, 124A, 372-376.	2.4	48
132	Novel SCO2 mutation (G1521A) presenting as a spinal muscular atrophy type I phenotype. <i>American Journal of Medical Genetics Part A</i> , 2004, 125A, 310-314.	2.4	47
133	De novo mutations in CSNK2A1 are associated with neurodevelopmental abnormalities and dysmorphic features. <i>Human Genetics</i> , 2016, 135, 699-705.	3.8	47
134	Myopathies Related to Glycogen Metabolism Disorders. <i>Neurotherapeutics</i> , 2018, 15, 915-927.	4.4	47
135	Nutrition for Special Populations: Young, Female, and Masters Athletes. <i>International Journal of Sport Nutrition and Exercise Metabolism</i> , 2019, 29, 220-227.	2.1	47
136	Caffeine blocks SREBP2-induced hepatic PCSK9 expression to enhance LDLR-mediated cholesterol clearance. <i>Nature Communications</i> , 2022, 13, 770.	12.8	47
137	A Five-Ingredient Nutritional Supplement and Home-Based Resistance Exercise Improve Lean Mass and Strength in Free-Living Elderly. <i>Nutrients</i> , 2020, 12, 2391.	4.1	45
138	The Effect of Aging on Anaerobic and Aerobic Enzyme Activities in Human Skeletal Muscle. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2006, 61, 339-344.	3.6	44
139	Attenuation of free radical production and paracrystalline inclusions by creatine supplementation in a patient with a novel cytochrome b mutation. <i>Muscle and Nerve</i> , 2004, 29, 537-547.	2.2	43
140	Spinocerebellar ataxia type 29 due to mutations in ITPR1: a case series and review of this emerging congenital ataxia. <i>Orphanet Journal of Rare Diseases</i> , 2017, 12, 121.	2.7	42
141	Diagnosis of "possible" mitochondrial disease: an existential crisis. <i>Journal of Medical Genetics</i> , 2019, 56, 123-130.	3.2	42
142	Nutrition for distance events. <i>Journal of Sports Sciences</i> , 2007, 25, S29-S38.	2.0	41
143	Leigh syndrome associated with mitochondrial complex I deficiency due to novel mutations in NDUFV1 and NDUF2. <i>Gene</i> , 2013, 516, 162-167.	2.2	41
144	Sodium bicarbonate ingestion augments the increase in PGC-1 α mRNA expression during recovery from intense interval exercise in human skeletal muscle. <i>Journal of Applied Physiology</i> , 2015, 119, 1303-1312.	2.5	41

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145	Exercise testing as a diagnostic entity in mitochondrial myopathies. <i>Mitochondrion</i> , 2004, 4, 529-542.	3.4	40
146	Exercise as a Therapeutic Strategy for Primary Mitochondrial Cytopathies. <i>Journal of Child Neurology</i> , 2014, 29, 1225-1234.	1.4	40
147	Title is missing!. <i>Molecular and Cellular Biochemistry</i> , 2003, 244, 159-166.	3.1	39
148	The potential benefits of creatine and conjugated linoleic acid as adjuncts to resistance training in older adults. <i>Applied Physiology, Nutrition and Metabolism</i> , 2008, 33, 213-227.	1.9	39
149	Eccentric Exercise Activates Novel Transcriptional Regulation of Hypertrophic Signaling Pathways Not Affected by Hormone Changes. <i>PLoS ONE</i> , 2010, 5, e10695.	2.5	39
150	Truncating Mutations in UBAP1 Cause Hereditary Spastic Paraplegia. <i>American Journal of Human Genetics</i> , 2019, 104, 767-773.	6.2	39
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291	Myasthenia graves-like symptoms associated with rare mitochondrial mutation (m.5728T>C). <i>Mitochondrion</i> , 2019, 47, 139-140.	3.4	5
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303	Response to Newman et al.. <i>Genetics in Medicine</i> , 2017, 19, 1380-1380.	2.4	3
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305	Life-long exercise training and inherited aerobic endurance capacity produce converging gut microbiome signatures in rodents. <i>Physiological Reports</i> , 2022, 10, e15215.	1.7	3
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