Mark Andrew Tarnopolsky

List of Publications by Year in Descending Order

356 papers	16,573 citations	72 h-index	117 g-index
369 ext. papers	19,073 ext. citations	4.2 avg, IF	6.77 L-index

#	Paper	IF	Citations
356	Caffeine blocks SREBP2-induced hepatic PCSK9 expression to enhance LDLR-mediated cholesterol clearance.. *Nature Communications*, **2022**, 13, 770	17.4	5
355	Possible association between rhabdomyolysis and mRNA SARS-CoV-2 vaccination in a patient with gene mutation.. *Cmaj*, **2022**, 194, E252-E256	3.5	0
354	Aerobic exercise elicits clinical adaptations in myotonic dystrophy type 1 patients independent of pathophysiological changes.. *Journal of Clinical Investigation*, **2022**,	15.9	2
353	Life-long exercise training and inherited aerobic endurance capacity produce converging gut microbiome signatures in rodents.. *Physiological Reports*, **2022**, 10, e15215	2.6	3
352	Functional characterization of variants of unknown significance in a spinocerebellar ataxia patient using an unsupervised machine learning pipeline.. *Human Genome Variation*, **2022**, 9, 10	1.8	0
351	Genetic, structural and clinical analysis of spastic paraplegia 4.. *Parkinsonism and Related Disorders*, **2022**, 98, 62-69	3.6	0
350	Multi-Ingredient Supplement Supports Mitochondrial Health through Interleukin-15 Signaling in Older Adult Human Dermal Fibroblasts. *Cosmetics*, **2022**, 9, 47	2.7	
349	Heterozygous frameshift variants in HNRNPA2B1 cause early-onset oculopharyngeal muscular dystrophy.. *Nature Communications*, **2022**, 13, 2306	17.4	1
348	Validation and clinical performance of a combined nuclear-mitochondrial next-generation sequencing and copy number variant analysis panel in a Canadian population. *American Journal of Medical Genetics, Part A*, **2021**, 185, 486-499	2.5	2
347	Immune-mediated Necrotizing Myopathy following BNT162b2 Vaccination in a Patient with Antibodies against Receptor-binding Domain of SARS-CoV-2 and Signal Recognition Particle.. *Muscle and Nerve*, **2021**,	3.4	0
346	Effects of an acute exercise bout in hypoxia on extracellular vesicle release in healthy and prediabetic subjects.. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2021**,	3.2	3
345	A Novel Multi-Ingredient Supplement Activates a Browning Program in White Adipose Tissue and Mitigates Weight Gain in High-Fat Diet-Fed Mice. *Nutrients*, **2021**, 13,	6.7	2
344	Ontario Newborn Screening for Spinal Muscular Atrophy: The First Year. *Canadian Journal of Neurological Sciences*, **2021**, 1-7	1	
343	Newborn Screening for Spinal Muscular Atrophy: Ontario Testing and Follow-up Recommendations. *Canadian Journal of Neurological Sciences*, **2021**, 48, 504-511	1	4
342	Human skeletal muscle fiber type-specific responses to sprint interval and moderate-intensity continuous exercise: acute and training-induced changes. *Journal of Applied Physiology*, **2021**, 130, 1001-1014	3.7	5
341	Impaired Function and Altered Morphology in the Skeletal Muscles of Adult Men and Women With Type 1 Diabetes. *Journal of Clinical Endocrinology and Metabolism*, **2021**, 106, 2405-2422	5.6	2
340	Childhood amyotrophic lateral sclerosis caused by excess sphingolipid synthesis. *Nature Medicine*, **2021**, 27, 1197-1204	50.5	22

339	Management of mitochondrial diabetes in the era of novel therapies. *Journal of Diabetes and Its Complications*, **2021**, 35, 107584	3.2	11
338	Comprehensive genetic sequence and copy number analysis for Charcot-Marie-Tooth disease in a Canadian cohort of 2517 patients. *Journal of Medical Genetics*, **2021**, 58, 284-288	5.8	2
337	A biallelic pathogenic variant in the OGDH gene results in a neurological disorder with features of a mitochondrial disease. *Journal of Inherited Metabolic Disease*, **2021**, 44, 388-400	5.4	9
336	Mitochondrial neuropathy and neurogenic features in mitochondrial myopathy. *Mitochondrion*, **2021**, 56, 52-61	4.9	5
335	An autosomal dominant neurological disorder caused by de novo variants in FAR1 resulting in uncontrolled synthesis of ether lipids. *Genetics in Medicine*, **2021**, 23, 740-750	8.1	7
334	Acute, Exercise-Induced Alterations in Cytokines and Chemokines in the Blood Distinguish Physically Active and Sedentary Aging. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2021**, 76, 811-818	6.4	0
333	Variants in GNAI1 cause a syndrome associated with variable features including developmental delay, seizures, and hypotonia. *Genetics in Medicine*, **2021**, 23, 881-887	8.1	1
332	A pathogenic UFSP2 variant in an autosomal recessive form of pediatric neurodevelopmental anomalies and epilepsy. *Genetics in Medicine*, **2021**, 23, 900-908	8.1	2
331	POLRMT mutations impair mitochondrial transcription causing neurological disease. *Nature Communications*, **2021**, 12, 1135	17.4	3
330	Evidence for Non-Mendelian Inheritance in Spastic Paraplegia 7. *Movement Disorders*, **2021**, 36, 1664-1675		7
329	Normal to enhanced intrinsic mitochondrial respiration in skeletal muscle of middle- to older-aged women and men with uncomplicated type 1 diabetes. *Diabetologia*, **2021**, 64, 2517-2533	10.3	0
328	Alterations in skeletal muscle repair in young adults with type 1 diabetes mellitus. *American Journal of Physiology - Cell Physiology*, **2021**, 321, C876-C883	5.4	0
327	ABHD16A deficiency causes a complicated form of hereditary spastic paraplegia associated with intellectual disability and cerebral anomalies. *American Journal of Human Genetics*, **2021**, 108, 2017-2023	11	1
326	Dual molecular diagnoses in a neurometabolic specialty clinic. *American Journal of Medical Genetics, Part A*, **2021**, 185, 766-773	2.5	3
325	A mitochondrial disorder with ptosis and exercise intolerance without ophthalmoparesis secondary to m.5865□T□>□C variant. *Mitochondrion*, **2020**, 53, 150-153	4.9	1
324	Expanding Clinical Presentations Due to Variations in THOC2 mRNA Nuclear Export Factor. *Frontiers in Molecular Neuroscience*, **2020**, 13, 12	6.1	4
323	Response to "Relation between intra-mitochondrial inclusions and pathophysiology of mitochondrial myopathy remains unprecise". *Journal of the Neurological Sciences*, **2020**, 414, 116895	3.2	
322	Intracellular calcium leak as a therapeutic target for RYR1-related myopathies. *Acta Neuropathologica*, **2020**, 139, 1089-1104	14.3	9

321	Increased intra-mitochondrial lipofuscin aggregates with spherical dense body formation in mitochondrial myopathy. *Journal of the Neurological Sciences*, **2020**, 413, 116816	3.2	6
320	Congenital myasthenic syndrome-associated agrin variants affect clustering of acetylcholine receptors in a domain-specific manner. *JCI Insight*, **2020**, 5,	9.9	6
319	Lessons of the month: A breathless severe asthmatic in the genomic era: Occam's razor or Hickam's dictum?. *Clinical Medicine*, **2020**, 20, e264-e266	1.9	1
318	Expanding the Phenotype: Neurodevelopmental Disorder, Mitochondrial, With Abnormal Movements and Lactic Acidosis, With or Without Seizures (NEMMLAS) Due to WARS2 Biallelic Variants, Encoding Mitochondrial Tryptophanyl-tRNA Synthase. *Journal of Child Neurology*, **2020**, 35, 176-177	2.5	
317	Choline transporter-like 1 deficiency causes a new type of childhood-onset neurodegeneration. *Brain*, **2020**, 143, 94-111	11.2	7
316	Muscle and serum myostatin expression in type 1 diabetes. *Physiological Reports*, **2020**, 8, e14500	2.6	6
315	Assessing non-Mendelian inheritance in inherited axonopathies. *Genetics in Medicine*, **2020**, 22, 2114-2118	8.1	7
314	Bone marrow-derived mitochondrial DNA has limited capacity for inter-tissue transfer in vivo. *FASEB Journal*, **2020**, 34, 9297-9306	0.9	2
313	A Five-Ingredient Nutritional Supplement and Home-Based Resistance Exercise Improve Lean Mass and Strength in Free-Living Elderly. *Nutrients*, **2020**, 12,	6.7	16
312	Severe chorioretinal atrophy in Boucher-Neuhauser syndrome. *Canadian Journal of Ophthalmology*, **2020**, 55, e26-e28	1.4	4
311	Neurodevelopmental and associated changes in a patient with Xp22.31 duplication. *Neurological Sciences*, **2020**, 41, 713-716	3.5	1
310	Nutrition for Special Populations: Young, Female, and Masters Athletes. *International Journal of Sport Nutrition and Exercise Metabolism*, **2019**, 29, 220-227	4.4	26
309	Statin administration activates system xC in skeletal muscle: a potential mechanism explaining statin-induced muscle pain. *American Journal of Physiology - Cell Physiology*, **2019**, 317, C894-C899	5.4	3
308	Genotypes of chronic progressive external ophthalmoplegia in a large adult-onset cohort. *Mitochondrion*, **2019**, 49, 227-231	4.9	13
307	Diagnosis of 'possible' mitochondrial disease: an existential crisis. *Journal of Medical Genetics*, **2019**, 56, 123-130	5.8	27
306	Lifelong aerobic exercise protects against inflammaging and cancer. *PLoS ONE*, **2019**, 14, e0210863	3.7	37
305	Paraspinal muscle ladybird homeobox 1 (LBX1) in adolescent idiopathic scoliosis: a cross-sectional study. *Spine Journal*, **2019**, 19, 1911-1916	4	6
304	Mitochondria and Aging-The Role of Exercise as a Countermeasure. *Biology*, **2019**, 8,	4.9	26

303	Myasthenia graves-like symptoms associated with rare mitochondrial mutation (m.5728T>C). *Mitochondrion*, **2019**, 47, 139-140	4.9	3
302	Neurogenic Muscle Biopsy Findings Are Common in Mitochondrial Myopathy. *Journal of Neuropathology and Experimental Neurology*, **2019**, 78, 508-514	3.1	5
301	Diagnostic Utility of Genome-wide DNA Methylation Testing in Genetically Unsolved Individuals with Suspected Hereditary Conditions. *American Journal of Human Genetics*, **2019**, 104, 685-700	11	57
300	Truncating Mutations in UBAP1 Cause Hereditary Spastic Paraplegia. *American Journal of Human Genetics*, **2019**, 104, 767-773	11	20
299	Obesity and muscle-macrophage crosstalk in humans and mice: A systematic review. *Obesity Reviews*, **2019**, 20, 1572-1596	10.6	4
298	Expanding the Phenotype: Neurodevelopmental Disorder, Mitochondrial, With Abnormal Movements and Lactic Acidosis, With or Without Seizures (NEMMLAS) due to WARS2 Biallelic Variants, Encoding Mitochondrial Tryptophanyl-tRNA Synthase. *Journal of Child Neurology*, **2019**, 34, 778-781	2.5	6
297	Muscle problems in juvenile-onset acid maltase deficiency (Pompe disease). *Paediatrics and Child Health*, **2019**, 24, 270-271	0.7	1
296	Expanding the Clinical Spectrum of -Related Mitochondrial Cytopathy. *Frontiers in Neurology*, **2019**, 10, 981	4.1	8
295	Effect of short-term, high-intensity exercise training on human skeletal muscle citrate synthase maximal activity: single versus multiple bouts per session. *Applied Physiology, Nutrition and Metabolism*, **2019**, 44, 1391-1394	3	0
294	Loss of the sphingolipid desaturase DEGS1 causes hypomyelinating leukodystrophy. *Journal of Clinical Investigation*, **2019**, 129, 1240-1256	15.9	37
293	Nutrition and exercise in Pompe disease. *Annals of Translational Medicine*, **2019**, 7, 282	3.2	4
292	Expanding the Boundaries of RNA Sequencing as a Diagnostic Tool for Rare Mendelian Disease. *American Journal of Human Genetics*, **2019**, 104, 466-483	11	110
291	An evaluation of genetic causes and environmental risks for bilateral optic atrophy. *PLoS ONE*, **2019**, 14, e0225656	3.7	3
290	Clinical features related to statin-associated muscle symptoms. *Muscle and Nerve*, **2019**, 59, 537-543	3.4	7
289	Complete elimination of a pathogenic homoplasmic mtDNA mutation in one generation. *Mitochondrion*, **2019**, 45, 18-21	4.9	1
288	CPEO - Like mitochondrial myopathy associated with m.8340G>A mutation. *Mitochondrion*, **2019**, 46, 69-72	4.9	3
287	Clinical and demographic features of chronic progressive external ophthalmoplegia in a large adult-onset cohort. *Mitochondrion*, **2019**, 44, 15-19	4.9	13
286	An evaluation of genetic causes and environmental risks for bilateral optic atrophy **2019**, 14, e0225656		

285	An evaluation of genetic causes and environmental risks for bilateral optic atrophy **2019**, 14, e0225656		
284	An evaluation of genetic causes and environmental risks for bilateral optic atrophy **2019**, 14, e0225656		
283	An evaluation of genetic causes and environmental risks for bilateral optic atrophy **2019**, 14, e0225656		
282	Skeletal muscle fiber-type-specific changes in markers of capillary and mitochondrial content after low-volume interval training in overweight women. *Physiological Reports*, **2018**, 6, e13597	2.6	19
281	The prognosis for glycemic status among children and youth with obesity 2 years after entering a weight management program. *Pediatric Diabetes*, **2018**, 19, 874-881	3.6	3
280	Altered mitochondrial bioenergetics and ultrastructure in the skeletal muscle of young adults with type 1 diabetes. *Diabetologia*, **2018**, 61, 1411-1423	10.3	46
279	Next-Generation Sequencing to Diagnose Muscular Dystrophy, Rhabdomyolysis, and HyperCKemia. *Canadian Journal of Neurological Sciences*, **2018**, 45, 262-268	1	16
278	POLR3A variants in hereditary spastic paraplegia and ataxia. *Brain*, **2018**, 141, e1	11.2	14
277	Exosomes as Mediators of the Systemic Adaptations to Endurance Exercise. *Cold Spring Harbor Perspectives in Medicine*, **2018**, 8,	5.4	77
276	Blunted satellite cell response is associated with dysregulated IGF-1 expression after exercise with age. *European Journal of Applied Physiology*, **2018**, 118, 2225-2231	3.4	5
275	Aberrant Drp1-mediated mitochondrial division presents in humans with variable outcomes. *Human Molecular Genetics*, **2018**, 27, 3710-3719	5.6	21
274	Severe neurocognitive and growth disorders due to variation in THOC2, an essential component of nuclear mRNA export machinery. *Human Mutation*, **2018**, 39, 1126-1138	4.7	8
273	Cardiopulmonary Exercise Testing Reflects Improved Exercise Capacity in Response to Treatment in Morquio A Patients: Results of a 52-Week Pilot Study of Two Different Doses of Elosulfase Alfa. *JIMD Reports*, **2018**, 42, 9-17	1.9	4
272	The genotypic and phenotypic spectrum of MTO1 deficiency. *Molecular Genetics and Metabolism*, **2018**, 123, 28-42	3.7	18
271	BAFopathies' DNA methylation epi-signatures demonstrate diagnostic utility and functional continuum of Coffin-Siris and Nicolaides-Baraitser syndromes. *Nature Communications*, **2018**, 9, 4885	17.4	48
270	Myopathies Related to Glycogen Metabolism Disorders. *Neurotherapeutics*, **2018**, 15, 915-927	6.4	21
269	Novel Association of a De Novo CALM2 Mutation With Long QT Syndrome and Hypertrophic Cardiomyopathy. *Circulation Genomic and Precision Medicine*, **2018**, 11, e002255	5.2	5
268	Molecular characterization of NRXN1 deletions from 19,263 clinical microarray cases identifies exons important for neurodevelopmental disease expression. *Genetics in Medicine*, **2017**, 19, 53-61	8.1	43

267	Effect of sex on the acute skeletal muscle response to sprint interval exercise. *Experimental Physiology*, **2017**, 102, 354-365	2.4	19
266	Perspectives on Exertional Rhabdomyolysis. *Sports Medicine*, **2017**, 47, 33-49	10.6	65
265	encephalopathy: novel findings on phenotype, variant clustering, functional consequences and treatment aspects. *Journal of Medical Genetics*, **2017**, 54, 460-470	5.8	109
264	A mutation in the TMEM65 gene results in mitochondrial myopathy with severe neurological manifestations. *European Journal of Human Genetics*, **2017**, 25, 744-751	5.3	8
263	mutations are associated with features of complex hereditary spastic paraparesis. *Neurology*, **2017**, 89, 2210-2211	6.5	11
262	Higher oxidative stress in skeletal muscle of McArdle disease patients. *Molecular Genetics and Metabolism Reports*, **2017**, 12, 69-75	1.8	8
261	Patient care standards for primary mitochondrial disease: a consensus statement from the Mitochondrial Medicine Society. *Genetics in Medicine*, **2017**, 19,	8.1	113
260	Clinical Manifestations Associated With the N-Terminal-Acetyltransferase NAA10 Gene Mutation in a Girl: Ogden Syndrome. *Pediatric Neurology*, **2017**, 76, 82-85	2.9	15
259	Response to Newman et al. *Genetics in Medicine*, **2017**, 19,	8.1	2
258	Optimizing the methodology for measuring supraclavicular skin temperature using infrared thermography; implications for measuring brown adipose tissue activity in humans. *Scientific Reports*, **2017**, 7, 11934	4.9	15
257	Spinocerebellar ataxia type 29 due to mutations in ITPR1: a case series and review of this emerging congenital ataxia. *Orphanet Journal of Rare Diseases*, **2017**, 12, 121	4.2	27
256	Males With MECP2 C-terminal-Related Atypical Rett Syndromes and Their Carrier Mothers. *Pediatric Neurology*, **2017**, 67, 98-101	2.9	1
255	Myostatin inhibitor ACE-031 treatment of ambulatory boys with Duchenne muscular dystrophy: Results of a randomized, placebo-controlled clinical trial. *Muscle and Nerve*, **2017**, 55, 458-464	3.4	124
254	Superior mitochondrial adaptations in human skeletal muscle after interval compared to continuous single-leg cycling matched for total work. *Journal of Physiology*, **2017**, 595, 2955-2968	3.9	105
253	Complex IV **2016**, 279-285		
252	Salsalate (Salicylate) Uncouples Mitochondria, Improves Glucose Homeostasis, and Reduces Liver Lipids Independent of AMPK-β1. *Diabetes*, **2016**, 65, 3352-3361	0.9	41
251	Digital PCR methods improve detection sensitivity and measurement precision of low abundance mtDNA deletions. *Scientific Reports*, **2016**, 6, 25186	4.9	43
250	Decreased Satellite Cell Number and Function in Humans and Mice With Type 1 Diabetes Is the Result of Altered Notch Signaling. *Diabetes*, **2016**, 65, 3053-61	0.9	26

249	Solid organ transplantation in primary mitochondrial disease: Proceed with caution. *Molecular Genetics and Metabolism*, **2016**, 118, 178-184	3.7	40
248	Exercise-induced mitochondrial p53 repairs mtDNA mutations in mutator mice. *Skeletal Muscle*, **2016**, 6, 7	5.1	53
247	Metabolic Myopathies. *CONTINUUM Lifelong Learning in Neurology*, **2016**, 22, 1829-1851	3	18
246	Complex V Disorders **2016**, 287-291		
245	Chronic Progressive External Ophthalmoplegia (CPEO) **2016**, 49-53		
244	Complex I Deficiency **2016**, 257-264		
243	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. *PLoS ONE*, **2016**, 11, e0154075	3.7	177
242	Targeted Re-Sequencing Emulsion PCR Panel for Myopathies: Results in 94 Cases. *Journal of Neuromuscular Diseases*, **2016**, 3, 209-225	5	13
241	Genetic Myopathies Initially Diagnosed and Treated as Inflammatory Myopathy. *Canadian Journal of Neurological Sciences*, **2016**, 43, 381-4	1	5
240	The potential of endurance exercise-derived exosomes to treat metabolic diseases. *Nature Reviews Endocrinology*, **2016**, 12, 504-17	15.2	191
239	De novo mutations in CSNK2A1 are associated with neurodevelopmental abnormalities and dysmorphic features. *Human Genetics*, **2016**, 135, 699-705	6.3	32
238	Pompe Disease: Diagnosis and Management. Evidence-Based Guidelines from a Canadian Expert Panel. *Canadian Journal of Neurological Sciences*, **2016**, 43, 472-85	1	37
237	Two novel mitochondrial tRNA mutations, A7495G (tRNA) and C5577T (tRNA), are associated with seizures and cardiac dysfunction. *Mitochondrion*, **2016**, 31, 40-44	4.9	4
236	Effects of age and unaccustomed resistance exercise on mitochondrial transcript and protein abundance in skeletal muscle of men. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2015**, 308, R734-41	3.2	27
235	Exome sequencing identifies complex I NDUFV2 mutations as a novel cause of Leigh syndrome. *European Journal of Paediatric Neurology*, **2015**, 19, 525-32	3.8	22
234	Metabolomic analysis of exercise effects in the POLG mitochondrial DNA mutator mouse brain. *Neurobiology of Aging*, **2015**, 36, 2972-2983	5.6	23
233	Prenatal growth restriction, retinal dystrophy, diabetes insipidus and white matter disease: expanding the spectrum of PRPS1-related disorders. *European Journal of Human Genetics*, **2015**, 23, 310-6	5.3	23
232	Phospholamban overexpression in mice causes a centronuclear myopathy-like phenotype. *DMM Disease Models and Mechanisms*, **2015**, 8, 999-1009	4.1	21

231	Satellite cell activity, without expansion, after nonhypertrophic stimuli. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2015**, 309, R1101-11	3.2	38
230	Dysfunctional mitochondria? Let's make more exercise in a bottle. *Mitochondrion*, **2015**, 24, S4	4.9	
229	Two cases of congenital myasthenic syndrome with vocal cord paralysis. *Neurology*, **2015**, 84, 1281-2	6.5	16
228	Association of depression & health related quality of life with body composition in children and youth with obesity. *Journal of Affective Disorders*, **2015**, 172, 18-23	6.6	102
227	Sex differences in skeletal muscle phosphatase and tensin homolog deleted on chromosome 10 (PTEN) levels: a cross-sectional study. *Scientific Reports*, **2015**, 5, 9154	4.9	8
226	Adiposity and immune-muscle crosstalk in South Asians &Europeans: A cross-sectional study. *Scientific Reports*, **2015**, 5, 14521	4.9	4
225	MG-123 Exonic and intronic NRXN1 deletions: Novel genotype-phenotype correlations. *Journal of Medical Genetics*, **2015**, 52, A9.1-A9	5.8	
224	Exercise-stimulated interleukin-15 is controlled by AMPK and regulates skin metabolism and aging. *Aging Cell*, **2015**, 14, 625-34	9.9	75
223	Sodium bicarbonate ingestion augments the increase in PGC-1 mRNA expression during recovery from intense interval exercise in human skeletal muscle. *Journal of Applied Physiology*, **2015**, 119, 1303-12	3.7	30
222	Feasibility and Reliability of Muscle Strength Testing in Critically Ill Children. *Journal of Pediatric Intensive Care*, **2015**, 4, 218-224	1	8
221	Diagnosis and management of mitochondrial disease: a consensus statement from the Mitochondrial Medicine Society. *Genetics in Medicine*, **2015**, 17, 689-701	8.1	284
220	Polymerase gamma mutator mice rely on increased glycolytic flux for energy production. *Mitochondrion*, **2015**, 21, 19-26	4.9	12
219	Exercise-Induced Amelioration of Diet-Induced Obesity and Diabetes is Not Regulated by Irisin. *FASEB Journal*, **2015**, 29, 992.4	0.9	
218	Intermittent and continuous high-intensity exercise training induce similar acute but different chronic muscle adaptations. *Experimental Physiology*, **2014**, 99, 782-91	2.4	74
217	Fluvastatin causes NLRP3 inflammasome-mediated adipose insulin resistance. *Diabetes*, **2014**, 63, 3742-7	8.9	86
216	Exercise as a therapeutic strategy for primary mitochondrial cytopathies. *Journal of Child Neurology* , **2014**, 29, 1225-34	2.5	26
215	Functional impairment in patients with sporadic Inclusion Body Myositis. *Canadian Journal of Neurological Sciences*, **2014**, 41, 253-9	1	2
214	Statin-associated Autoimmune Myopathies: A Pathophysiologic Spectrum. *Canadian Journal of Neurological Sciences*, **2014**, 41, 638-47	1	19

213	Defects in mitochondrial DNA replication and oxidative damage in muscle of mtDNA mutator mice. *Free Radical Biology and Medicine*, **2014**, 75, 241-51	7.8	39
212	The unfolded protein response is triggered following a single, unaccustomed resistance-exercise bout. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2014**, 307, R664-9	3.2	43
211	Genome-wide DNA methylation changes with age in disease-free human skeletal muscle. *Aging Cell*, **2014**, 13, 360-6	9.9	110
210	Evidence for synergistic effects of PRNP and ATP7B mutations in severe neuropsychiatric deterioration. *BMC Medical Genetics*, **2014**, 15, 22	2.1	9
209	Impact of habitual exercise on the strength of individuals with myotonic dystrophy type 1. *American Journal of Physical Medicine and Rehabilitation*, **2014**, 93, 739-46; quiz 747-8	2.6	16
208	Three minutes of all-out intermittent exercise per week increases skeletal muscle oxidative capacity and improves cardiometabolic health. *PLoS ONE*, **2014**, 9, e111489	3.7	107
207	Mitochondrial encephalopathy with lactic acidosis and stroke-like episodes (MELAS) may respond to adjunctive ketogenic diet. *Pediatric Neurology*, **2014**, 50, 498-502	2.9	56
206	Redox state and mitochondrial respiratory chain function in skeletal muscle of LGMD2A patients. *PLoS ONE*, **2014**, 9, e102549	3.7	14
205	The order of exercise during concurrent training for rehabilitation does not alter acute genetic expression, mitochondrial enzyme activity or improvements in muscle function. *PLoS ONE*, **2014**, 9, e109189	3.7	18
204	Dysferlin aggregation in limb-girdle muscular dystrophy type 2B/Miyoshi Myopathy necessitates mutational screen for diagnosis [corrected]. *Muscle and Nerve*, **2013**, 47, 740-7	3.4	14
203	Evidence for the contribution of muscle stem cells to nonhypertrophic skeletal muscle remodeling in humans. *FASEB Journal*, **2013**, 27, 4596-605	0.9	55
202	Endurance training modulates intramyocellular lipid compartmentalization and morphology in skeletal muscle of lean and obese women. *Journal of Clinical Endocrinology and Metabolism*, **2013**, 98, 4852-62	5.6	55
201	Oxidative stress and Nrf2 signaling in McArdle disease. *Molecular Genetics and Metabolism*, **2013**, 110, 297-302	3.7	20
200	Monocarboxylate transporters and mitochondrial creatine kinase protein content in McArdle disease. *Molecular Genetics and Metabolism*, **2013**, 108, 259-62	3.7	6
199	Xin is a marker of skeletal muscle damage severity in myopathies. *American Journal of Pathology*, **2013**, 183, 1703-1709	5.8	22
198	Leigh syndrome associated with mitochondrial complex I deficiency due to novel mutations In NDUFV1 and NDUFS2. *Gene*, **2013**, 516, 162-7	3.8	32
197	Severe infantile leigh syndrome associated with a rare mitochondrial ND6 mutation, m.14487T>C. *American Journal of Medical Genetics, Part A*, **2013**, 161A, 2020-3	2.5	17
196	Metabolite measurements in the caudate nucleus, anterior cingulate cortex and hippocampus among patients with mitochondrial disorders: a case-control study using proton magnetic resonance spectroscopy. *CMAJ Open*, **2013**, 1, E48-55	2.5	5

195	Elevated SOCS3 and altered IL-6 signaling is associated with age-related human muscle stem cell dysfunction. *American Journal of Physiology - Cell Physiology*, **2013**, 304, C717-28	5.4	61
194	Eccentric exercise increases satellite cell content in type II muscle fibers. *Medicine and Science in Sports and Exercise*, **2013**, 45, 230-7	1.2	65
193	Long-term aerobic exercise is associated with greater muscle strength throughout the life span. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2013**, 68, 631-8	6.4	47
192	Creatine for treating muscle disorders. *The Cochrane Library*, **2013**, CD004760	5.2	39
191	Substrate Utilization in Female Athletes **2013**, 1-24		1
190	Elevated mitochondrial oxidative stress impairs metabolic adaptations to exercise in skeletal muscle. *PLoS ONE*, **2013**, 8, e81879	3.7	18
189	Supplementation with □lipoic acid, CoQ10, and vitamin E augments running performance and mitochondrial function in female mice. *PLoS ONE*, **2013**, 8, e60722	3.7	30
188	Markers of skeletal muscle mitochondrial function and lipid accumulation are moderately associated with the homeostasis model assessment index of insulin resistance in obese men. *PLoS ONE*, **2013**, 8, e66322	3.7	34
187	Higher intakes of low-fat milk combined with 12 weeks of endurance training does not result in lower fat mass and higher lean mass.. *FASEB Journal*, **2013**, 27, lb777	0.9	
186	Massage therapy attenuates inflammatory signaling after exercise-induced muscle damage. *Science Translational Medicine*, **2012**, 4, 119ra13	17.5	169
185	The psychiatric presentation of mitochondrial disorders in adults. *Journal of Neuropsychiatry and Clinical Neurosciences*, **2012**, 24, 394-409	2.7	42
184	Aerobic training as an adjunctive therapy to enzyme replacement in Pompe disease. *Molecular Genetics and Metabolism*, **2012**, 107, 469-79	3.7	23
183	Exercise testing in metabolic myopathies. *Physical Medicine and Rehabilitation Clinics of North America*, **2012**, 23, 173-86, xii	2.3	14
182	Perilipin family (PLIN) proteins in human skeletal muscle: the effect of sex, obesity, and endurance training. *Applied Physiology, Nutrition and Metabolism*, **2012**, 37, 724-35	3	59
181	The psychiatric manifestations of mitochondrial disorders: a case and review of the literature. *Journal of Clinical Psychiatry*, **2012**, 73, 506-12	4.6	94
180	Myostatin is associated with age-related human muscle stem cell dysfunction. *FASEB Journal*, **2012**, 26, 2509-21	0.9	111
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178	Effects of creatine and exercise on skeletal muscle of FRG1-transgenic mice. *Canadian Journal of Neurological Sciences*, **2012**, 39, 225-31	1	5

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