David A Hood

List of Publications by Citations

183 papers	14,864 citations	51 h-index	121 g-index
206 ext. papers	16,600 ext. citations	3.9 avg, IF	6.57 L-index

#	Paper	IF	Citations
183	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). *Autophagy*, **2016**, 12, 1-222	10.2	3838
182	Guidelines for the use and interpretation of assays for monitoring autophagy. *Autophagy*, **2012**, 8, 445-544	10.2	2783
181	Invited Review: contractile activity-induced mitochondrial biogenesis in skeletal muscle. *Journal of Applied Physiology*, **2001**, 90, 1137-57	3.7	546
180	Mitochondrial function and apoptotic susceptibility in aging skeletal muscle. *Aging Cell*, **2008**, 7, 2-12	9.9	307
179	Interactions between ROS and AMP kinase activity in the regulation of PGC-1alpha transcription in skeletal muscle cells. *American Journal of Physiology - Cell Physiology*, **2009**, 296, C116-23	5.4	270
178	Coordination of metabolic plasticity in skeletal muscle. *Journal of Experimental Biology*, **2006**, 209, 2265-75	3	263
177	PPARgamma coactivator-1alpha expression during thyroid hormone- and contractile activity-induced mitochondrial adaptations. *American Journal of Physiology - Cell Physiology*, **2003**, 284, C1669-77	5.4	257
176	Effect of denervation on mitochondrially mediated apoptosis in skeletal muscle. *Journal of Applied Physiology*, **2007**, 102, 1143-51	3.7	175
175	Role of PGC-1□during acute exercise-induced autophagy and mitophagy in skeletal muscle. *American Journal of Physiology - Cell Physiology*, **2015**, 308, C710-9	5.4	171
174	Mechanisms of exercise-induced mitochondrial biogenesis in skeletal muscle. *Applied Physiology, Nutrition and Metabolism*, **2009**, 34, 465-72	3	159
173	AMP-activated protein kinase-regulated activation of the PGC-1alpha promoter in skeletal muscle cells. *PLoS ONE*, **2008**, 3, e3614	3.7	147
172	Role of p53 in mitochondrial biogenesis and apoptosis in skeletal muscle. *Physiological Genomics*, **2009**, 37, 58-66	3.6	137
171	Maintenance of Skeletal Muscle Mitochondria in Health, Exercise, and Aging. *Annual Review of Physiology*, **2019**, 81, 19-41	23.1	134
170	Regulation of mitochondrial biogenesis in muscle by endurance exercise. *Sports Medicine*, **2003**, 33, 783-93	10.6	132
169	Effects of contractile activity on mitochondrial transcription factor A expression in skeletal muscle. *Journal of Applied Physiology*, **2001**, 90, 389-96	3.7	130
168	The role of PGC-1alpha on mitochondrial function and apoptotic susceptibility in muscle. *American Journal of Physiology - Cell Physiology*, **2009**, 297, C217-25	5.4	128
167	Differential susceptibility of subsarcolemmal and intermyofibrillar mitochondria to apoptotic stimuli. *American Journal of Physiology - Cell Physiology*, **2005**, 289, C994-C1001	5.4	127

166	Transcriptional and post-transcriptional regulation of mitochondrial biogenesis in skeletal muscle: effects of exercise and aging. *Biochimica Et Biophysica Acta - General Subjects*, **2010**, 1800, 223-34	4	124
165	Chronic stimulation of rat skeletal muscle induces coordinate increases in mitochondrial and nuclear mRNAs of cytochrome-c-oxidase subunits. *FEBS Journal*, **1989**, 179, 275-80		124
164	Plasticity of skeletal muscle mitochondria in response to contractile activity. *Experimental Physiology*, **2003**, 88, 99-107	2.4	122
163	Sirtuin 1-mediated effects of exercise and resveratrol on mitochondrial biogenesis. *Journal of Biological Chemistry*, **2013**, 288, 6968-79	5.4	116
162	Contractile activity-induced adaptations in the mitochondrial protein import system. *American Journal of Physiology - Cell Physiology*, **1998**, 274, C1380-7	5.4	110
161	PGC-1 modulates denervation-induced mitophagy in skeletal muscle. *Skeletal Muscle*, **2015**, 5, 9	5.1	109
160	Expression of mitochondrial fission and fusion regulatory proteins in skeletal muscle during chronic use and disuse. *Muscle and Nerve*, **2013**, 48, 963-70	3.4	108
159	Exercise induces a cardiac mitochondrial phenotype that resists apoptotic stimuli. *American Journal of Physiology - Heart and Circulatory Physiology*, **2008**, 294, H928-35	5.2	108
158	Apoptosis in heart and skeletal muscle. *Applied Physiology, Nutrition, and Metabolism*, **2002**, 27, 349-95		107
157	Unravelling the mechanisms regulating muscle mitochondrial biogenesis. *Biochemical Journal*, **2016**, 473, 2295-314	3.8	103
156	Adaptive plasticity of autophagic proteins to denervation in aging skeletal muscle. *American Journal of Physiology - Cell Physiology*, **2013**, 304, C422-30	5.4	102
155	Protein import into subsarcolemmal and intermyofibrillar skeletal muscle mitochondria. Differential import regulation in distinct subcellular regions. *Journal of Biological Chemistry*, **1996**, 271, 27285-91	5.4	96
154	Mitochondria, muscle health, and exercise with advancing age. *Physiology*, **2015**, 30, 208-23	9.8	94
153	Acute exercise induces tumour suppressor protein p53 translocation to the mitochondria and promotes a p53-Tfam-mitochondrial DNA complex in skeletal muscle. *Journal of Physiology*, **2013**, 591, 3625-36	3.9	91
152	A systematic review of p53 regulation of oxidative stress in skeletal muscle. *Redox Report*, **2018**, 23, 100-117	5.1	87
151	Calcium-dependent regulation of cytochrome c gene expression in skeletal muscle cells. Identification of a protein kinase c-dependent pathway. *Journal of Biological Chemistry*, **1999**, 274, 9305-11	5.4	84
150	Mitochondrial dysregulation in the pathogenesis of diabetes: potential for mitochondrial biogenesis-mediated interventions. *Experimental Diabetes Research*, **2012**, 2012, 642038		82
149	Control of gene expression and mitochondrial biogenesis in the muscular adaptation to endurance exercise. *Essays in Biochemistry*, **2006**, 42, 13-29	7.6	79

148	Impact of Aging and Exercise on Mitochondrial Quality Control in Skeletal Muscle. *Oxidative Medicine and Cellular Longevity*, **2017**, 2017, 3165396	6.7	75
147	Oxidative stress-induced mitochondrial fragmentation and movement in skeletal muscle myoblasts. *American Journal of Physiology - Cell Physiology*, **2014**, 306, C1176-83	5.4	71
146	Denervation-induced mitochondrial dysfunction and autophagy in skeletal muscle of apoptosis-deficient animals. *American Journal of Physiology - Cell Physiology*, **2012**, 303, C447-54	5.4	71
145	Origins and consequences of mitochondrial variation in vertebrate muscle. *Annual Review of Physiology*, **2003**, 65, 177-201	23.1	67
144	Negligible direct lactate oxidation in subsarcolemmal and intermyofibrillar mitochondria obtained from red and white rat skeletal muscle. *Journal of Physiology*, **2007**, 582, 1317-35	3.9	66
143	Molecular basis for an attenuated mitochondrial adaptive plasticity in aged skeletal muscle. *Aging*, **2009**, 1, 818-30	5.6	66
142	The regulation of autophagy during exercise in skeletal muscle. *Journal of Applied Physiology*, **2016**, 120, 664-73	3.7	65
141	Autophagy and mitophagy flux in young and aged skeletal muscle following chronic contractile activity. *Journal of Physiology*, **2018**, 596, 3567-3584	3.9	63
140	Diminished contraction-induced intracellular signaling towards mitochondrial biogenesis in aged skeletal muscle. *Aging Cell*, **2009**, 8, 394-404	9.9	61
139	Mechanisms of exercise-induced mitochondrial biogenesis in skeletal muscle: implications for health and disease. *Comprehensive Physiology*, **2011**, 1, 1119-34	7.7	59
138	Compensatory responses of protein import and transcription factor expression in mitochondrial DNA defects. *American Journal of Physiology - Cell Physiology*, **2004**, 286, C867-75	5.4	59
137	Denervation-induced oxidative stress and autophagy signaling in muscle. *Autophagy*, **2009**, 5, 230-1	10.2	58
136	Effect of chronic contractile activity on SS and IMF mitochondrial apoptotic susceptibility in skeletal muscle. *American Journal of Physiology - Endocrinology and Metabolism*, **2007**, 292, E748-55	6	58
135	Thyroid hormone modifies mitochondrial phenotype by increasing protein import without altering degradation. *American Journal of Physiology - Cell Physiology*, **1998**, 275, C1508-15	5.4	57
134	Thyroid hormone (T3) rapidly activates p38 and AMPK in skeletal muscle in vivo. *Journal of Applied Physiology*, **2008**, 104, 178-85	3.7	56
133	The importance of PGC-1□n contractile activity-induced mitochondrial adaptations. *American Journal of Physiology - Endocrinology and Metabolism*, **2011**, 300, E361-71	6	53
132	Exercise induces TFEB expression and activity in skeletal muscle in a PGC-1□dependent manner. *American Journal of Physiology - Cell Physiology*, **2018**, 314, C62-C72	5.4	51
131	Relationship between Sirt1 expression and mitochondrial proteins during conditions of chronic muscle use and disuse. *Journal of Applied Physiology*, **2009**, 107, 1730-5	3.7	51

130	The effect of training on the expression of mitochondrial biogenesis- and apoptosis-related proteins in skeletal muscle of patients with mtDNA defects. *American Journal of Physiology - Endocrinology and Metabolism*, **2007**, 293, E672-80	6	51
129	p53 is necessary for the adaptive changes in cellular milieu subsequent to an acute bout of endurance exercise. *American Journal of Physiology - Cell Physiology*, **2014**, 306, C241-9	5.4	50
128	Age-associated mitochondrial dysfunction in skeletal muscle: Contributing factors and suggestions for long-term interventions. *IUBMB Life*, **2009**, 61, 201-14	4.7	48
127	Tissue-specific regulation of cytochrome c oxidase subunit expression by thyroid hormone. *American Journal of Physiology - Endocrinology and Metabolism*, **2004**, 286, E968-74	6	47
126	Role of Parkin and endurance training on mitochondrial turnover in skeletal muscle. *Skeletal Muscle* , **2018**, 8, 10	5.1	46
125	Contractile activity-induced transcriptional activation of cytochrome C involves Sp1 and is proportional to mitochondrial ATP synthesis in C2C12 muscle cells. *Journal of Biological Chemistry*, **2001**, 276, 15898-904	5.4	46
124	Calcium-regulated changes in mitochondrial phenotype in skeletal muscle cells. *American Journal of Physiology - Cell Physiology*, **2004**, 286, C1053-61	5.4	45
123	Tissue-specific stability of nuclear- and mitochondrially encoded mRNAs. *Archives of Biochemistry and Biophysics*, **1996**, 333, 103-8	4.1	45
122	Effect of denervation-induced muscle disuse on mitochondrial protein import. *American Journal of Physiology - Cell Physiology*, **2011**, 300, C138-45	5.4	44
121	The role of Nrf2 in skeletal muscle contractile and mitochondrial function. *Journal of Applied Physiology*, **2016**, 121, 730-40	3.7	42
120	Role of p53 within the regulatory network controlling muscle mitochondrial biogenesis. *Exercise and Sport Sciences Reviews*, **2011**, 39, 199-205	6.7	41
119	Amino acid metabolism during exercise and following endurance training. *Sports Medicine*, **1990**, 9, 23-35	10.6	40
118	Parkin is required for exercise-induced mitophagy in muscle: impact of aging. *American Journal of Physiology - Endocrinology and Metabolism*, **2018**, 315, E404-E415	6	39
117	Multiple signaling pathways regulate contractile activity-mediated PGC-1 gene expression and activity in skeletal muscle cells. *Physiological Reports*, **2014**, 2, e12008	2.6	39
116	The role of SirT1 in muscle mitochondrial turnover. *Mitochondrion*, **2012**, 12, 5-13	4.9	39
115	Role of UCP3 in state 4 respiration during contractile activity-induced mitochondrial biogenesis. *Journal of Applied Physiology*, **2004**, 97, 976-83	3.7	39
114	Endurance training ameliorates the metabolic and performance characteristics of circadian Clock mutant mice. *Journal of Applied Physiology*, **2013**, 114, 1076-84	3.7	38
113	Mitochondrial biogenesis and the role of the protein import pathway. *Medicine and Science in Sports and Exercise*, **2003**, 35, 86-94	1.2	38

112	Regulation of Egr-1, SRF, and Sp1 mRNA expression in contracting skeletal muscle cells. *Journal of Applied Physiology*, **2004**, 97, 2207-13	3.7	38
111	Exercise and mitochondrial health. *Journal of Physiology*, **2021**, 599, 803-817	3.9	38
110	Effect of chronic contractile activity on mRNA stability in skeletal muscle. *American Journal of Physiology - Cell Physiology*, **2010**, 299, C155-63	5.4	36
109	Effect of thyroid hormone on mitochondrial properties and oxidative stress in cells from patients with mtDNA defects. *American Journal of Physiology - Cell Physiology*, **2009**, 296, C355-62	5.4	36
108	Specific attenuation of protein kinase phosphorylation in muscle with a high mitochondrial content. *American Journal of Physiology - Endocrinology and Metabolism*, **2009**, 297, E749-58	6	35
107	Kinase-specific responsiveness to incremental contractile activity in skeletal muscle with low and high mitochondrial content. *American Journal of Physiology - Endocrinology and Metabolism*, **2008**, 295, E195-204	6	35
106	Application of animal models: chronic electrical stimulation-induced contractile activity. *Applied Physiology, Nutrition, and Metabolism*, **2005**, 30, 625-43		35
105	Tom20-mediated mitochondrial protein import in muscle cells during differentiation. *American Journal of Physiology - Cell Physiology*, **2000**, 279, C1393-400	5.4	35
104	Effect of hypothyroidism on the expression of cytochrome c and cytochrome c oxidase in heart and muscle during development. *Molecular and Cellular Biochemistry*, **1995**, 143, 119-27	4.2	35
103	Mitochondrial dysfunction is associated with a pro-apoptotic cellular environment in senescent cardiac muscle. *Mechanisms of Ageing and Development*, **2010**, 131, 79-88	5.6	34
102	Effect of prior chronic contractile activity on mitochondrial function and apoptotic protein expression in denervated muscle. *Journal of Applied Physiology*, **2008**, 105, 114-20	3.7	34
101	Mitochondrial biogenesis in striated muscle. *Applied Physiology, Nutrition, and Metabolism*, **1994**, 19, 12-48		34
100	Chronology of UPR activation in skeletal muscle adaptations to chronic contractile activity. *American Journal of Physiology - Cell Physiology*, **2016**, 310, C1024-36	5.4	33
99	Assembly of the cellular powerhouse: current issues in muscle mitochondrial biogenesis. *Exercise and Sport Sciences Reviews*, **2000**, 28, 68-73	6.7	33
98	Mitochondria in skeletal muscle: adaptable rheostats of apoptotic susceptibility. *Exercise and Sport Sciences Reviews*, **2008**, 36, 116-21	6.7	31
97	The role of mitochondrial fusion and fission in skeletal muscle function and dysfunction. *Frontiers in Bioscience - Landmark*, **2015**, 20, 157-72	2.8	30
96	Mitochondrial assembly: protein import. *Proceedings of the Nutrition Society*, **2004**, 63, 293-300	2.9	30
95	How is mitochondrial biogenesis affected in mitochondrial disease?. *Medicine and Science in Sports and Exercise*, **2005**, 37, 2102-10	1.2	30

94	Chronic long-term electrostimulation creates a unique metabolic enzyme profile in rabbit fast-twitch muscle. *FEBS Letters*, **1989**, 247, 471-4	3.8	30
93	Exercise and the Regulation of Mitochondrial Turnover. *Progress in Molecular Biology and Translational Science*, **2015**, 135, 99-127	4	29
92	Contractile activity-induced mitochondrial biogenesis and mTORC1. *American Journal of Physiology - Cell Physiology*, **2012**, 303, C540-7	5.4	28
91	Contractile activity attenuates autophagy suppression and reverses mitochondrial defects in skeletal muscle cells. *Autophagy*, **2018**, 14, 1886-1897	10.2	27
90	The regulation of mitochondrial transcription factor A (Tfam) expression during skeletal muscle cell differentiation. *Bioscience Reports*, **2015**, 35,	4.1	27
89	Biogenesis of the mitochondrial Tom40 channel in skeletal muscle from aged animals and its adaptability to chronic contractile activity. *American Journal of Physiology - Cell Physiology*, **2010**, 298, C1308-14	5.4	26
88	Effects of endurance training on apoptotic susceptibility in striated muscle. *Journal of Applied Physiology*, **2011**, 110, 1638-45	3.7	26
87	Effect of denervation on the regulation of mitochondrial transcription factor A expression in skeletal muscle. *American Journal of Physiology - Cell Physiology*, **2015**, 309, C228-38	5.4	25
86	Effect of p53 on mitochondrial morphology, import, and assembly in skeletal muscle. *American Journal of Physiology - Cell Physiology*, **2015**, 308, C319-29	5.4	25
85	Relationships between exercise, mitochondrial biogenesis and type 2 diabetes. *Medicine and Sport Science*, **2014**, 60, 48-61		24
84	Recent advances in mitochondrial turnover during chronic muscle disuse. *Integrative Medicine Research*, **2014**, 3, 161-171	2.7	24
83	Looking beyond PGC-1□emerging regulators of exercise-induced skeletal muscle mitochondrial biogenesis and their activation by dietary compounds. *Applied Physiology, Nutrition and Metabolism*, **2020**, 45, 11-23	3	24
82	Function of specialized regulatory proteins and signaling pathways in exercise-induced muscle mitochondrial biogenesis. *Integrative Medicine Research*, **2016**, 5, 187-197	2.7	23
81	Effect of age on the processing and import of matrix-destined mitochondrial proteins in skeletal muscle. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2010**, 65, 138-46	6.4	23
80	Effect of contractile activity on protein turnover in skeletal muscle mitochondrial subfractions. *Journal of Applied Physiology*, **2000**, 88, 1601-6	3.7	23
79	Mitochondrial breakdown in skeletal muscle and the emerging role of the lysosomes. *Archives of Biochemistry and Biophysics*, **2019**, 661, 66-73	4.1	21
78	The effects of chronic muscle use and disuse on cardiolipin metabolism. *Journal of Applied Physiology*, **2013**, 114, 444-52	3.7	20
77	Regulation of the autophagy system during chronic contractile activity-induced muscle adaptations. *Physiological Reports*, **2017**, 5, e13307	2.6	20

76	Cytochrome c transcriptional activation and mRNA stability during contractile activity in skeletal muscle. *American Journal of Physiology - Endocrinology and Metabolism*, **1999**, 277, E26-32	6	20
75	Altered mitochondrial morphology and defective protein import reveal novel roles for Bax and/or Bak in skeletal muscle. *American Journal of Physiology - Cell Physiology*, **2013**, 305, C502-11	5.4	19
74	Mitochondrial biogenesis during pressure overload induced cardiac hypertrophy in adult rats. *Canadian Journal of Physiology and Pharmacology*, **1995**, 73, 630-7	2.4	19
73	Regulation of PPARCoactivator-1Function and Expression in Muscle: Effect of Exercise. *PPAR Research*, **2010**, 2010,	4.3	17
72	mRNA stability as a function of striated muscle oxidative capacity. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2012**, 303, R408-17	3.2	17
71	Effect of microgravity on the expression of mitochondrial enzymes in rat cardiac and skeletal muscles. *Journal of Applied Physiology*, **1998**, 84, 593-8	3.7	17
70	Mitochondrial adaptations to chronic muscle use: effect of iron deficiency. *Comparative Biochemistry and Physiology A, Comparative Physiology*, **1992**, 101, 597-605		17
69	Effect of contractile activity on PGC-1transcription in young and aged skeletal muscle. *Journal of Applied Physiology*, **2018**, 124, 1605-1615	3.7	16
68	Cytoskeletal regulation of mitochondrial movements in myoblasts. *Cytoskeleton*, **2014**, 71, 564-72	2.4	15
67	Regulation of autophagic and mitophagic flux during chronic contractile activity-induced muscle adaptations. *Pflugers Archiv European Journal of Physiology*, **2019**, 471, 431-440	4.6	14
66	The Role of p53 in Determining Mitochondrial Adaptations to Endurance Training in Skeletal Muscle. *Scientific Reports*, **2018**, 8, 14710	4.9	14
65	The unfolded protein response in relation to mitochondrial biogenesis in skeletal muscle cells. *American Journal of Physiology - Cell Physiology*, **2017**, 312, C583-C594	5.4	13
64	Effect of Tim23 knockdown in vivo on mitochondrial protein import and retrograde signaling to the UPR in muscle. *American Journal of Physiology - Cell Physiology*, **2018**, 315, C516-C526	5.4	13
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62	Plasticity of TOM complex assembly in skeletal muscle mitochondria in response to chronic contractile activity. *Mitochondrion*, **2012**, 12, 305-12	4.9	11
61	Events upstream of mitochondrial protein import limit the oxidative capacity of fibroblasts in multiple mitochondrial disease. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2002**, 1586, 146-54	6.9	11
60	The intersection of exercise and aging on mitochondrial protein quality control. *Experimental Gerontology*, **2020**, 131, 110824	4.5	11
59	Endurance training alters alanine and glutamine release from muscle during contractions. *FEBS Letters*, **1994**, 340, 287-90	3.8	7

58	Mitochondrial Bioenergetics and Turnover during Chronic Muscle Disuse. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	7
57	Incorporation of 15N-leucine amine into ATP of fast-twitch muscle following stimulation. *Biochemical and Biophysical Research Communications*, **1985**, 128, 1254-60	3.4	6
56	Altered Expression of Mitoferrin and Frataxin, Larger Labile Iron Pool and Greater Mitochondrial DNA Damage in the Skeletal Muscle of Older Adults. *Cells*, **2020**, 9,	7.9	6
55	Exercise is mitochondrial medicine for muscle. *Sports Medicine and Health Science*, **2019**, 1, 11-18	4.5	5
54	Commentaries on Viewpoint: The rigorous study of exercise adaptations: Why mRNA might not be enough. *Journal of Applied Physiology*, **2016**, 121, 597-600	3.7	5
53	Exercise Is Muscle Mitochondrial Medicine. *Exercise and Sport Sciences Reviews*, **2021**, 49, 67-76	6.7	5
52	711 INHIBITION OF NUCLEAR GENE TRANSCRIPTION IN CHRONICALLY STIMULATED MUSCLE. *Medicine and Science in Sports and Exercise*, **1993**, 25, S128	1.2	4
51	Manifestations of Age on Autophagy, Mitophagy and Lysosomes in Skeletal Muscle. *Cells*, **2021**, 10,	7.9	4
50	Examining interindividual differences in select muscle and whole-body adaptations to continuous endurance training. *Experimental Physiology*, **2021**, 106, 2168-2176	2.4	4
49	p53 regulates skeletal muscle mitophagy and mitochondrial quality control following denervation-induced muscle disuse.. *Journal of Biological Chemistry*, **2021**, 101540	5.4	3
48	Mitophagy Regulation in Skeletal Muscle: Effect of Endurance Exercise and Age. *Journal of Science in Sport and Exercise*, **2019**, 1, 228-236	1	2
47	Commentaries on viewpoint: does SIRT1 determine exercise-induced skeletal muscle mitochondrial biogenesis: differences between in vitro and in vivo experiments?. *Journal of Applied Physiology*, **2012**, 112, 929-30	3.7	2
46	Time-dependent changes in autophagy, mitophagy and lysosomes in skeletal muscle during denervation-induced disuse.. *Journal of Physiology*, **2022**,	3.9	2
45	Effect of rapamycin on mitochondria and lysosomes in fibroblasts from patients with mtDNA mutations. *American Journal of Physiology - Cell Physiology*, **2021**, 321, C176-C186	5.4	2
44	Application of Chronic Stimulation to Study Contractile Activity-induced Rat Skeletal Muscle Phenotypic Adaptations. *Journal of Visualized Experiments*, **2018**,	1.6	1
43	Skeletal muscle stem cells: a symposium. *Applied Physiology, Nutrition and Metabolism*, **2006**, 31, 771-2	3	1
42	Mechanisms of mitochondrial disease and the role of exercise: a symposium. *Medicine and Science in Sports and Exercise*, **2005**, 37, 2084-5	1.2	1
41	Exercise-Induced Mitochondrial Biogenesis in Skeletal Muscle **2007**, 37-60		1

40	Human cardiac ischemia-reperfusion injury: Blunted stress response with age. *Journal of Cardiac Surgery*, **2021**, 36, 3643-3651	1.3	1
39	Molecular Basis for the Therapeutic Effects of Exercise on Mitochondrial Defects. *Frontiers in Physiology*, **2020**, 11, 615038	4.6	0
38	Cell Death Regulation in Muscle313-322		
37	Signal transduction and gene expression in striated muscles: a symposium. *Applied Physiology, Nutrition, and Metabolism*, **1998**, 23, 362-5		
36	Lysosomal Alterations in Skeletal Muscle Plasticity An Investigation of Age, Exercise and Disuse. *FASEB Journal*, **2020**, 34, 1-1	0.9	
35	Enhanced Mitochondrial Turnover in Aged Human Right Atrial Tissue. *FASEB Journal*, **2020**, 34, 1-1	0.9	
34	Regulation of the NAD+-dependent histone deacetylase Sirt1 in conditions of muscle use and disuse. *FASEB Journal*, **2006**, 20, A389	0.9	
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32	AMP-activated protein kinase-regulated activation of the PGC-1 promoter in skeletal muscle cells. *FASEB Journal*, **2006**, 20, A389	0.9	
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27	Tom40 import and TOM complex assembly kinetics in subsarcolemmal and intermyofibrillar mitochondria. *FASEB Journal*, **2007**, 21, A1302	0.9	
26	Differential expression of genes controlling mitochondrial biogenesis during C2C12 differentiation. *FASEB Journal*, **2007**, 21, A662	0.9	
25	Mitochondrial protein import and assembly dynamics in response to chronic contractile activity in skeletal muscle of young and aged animals. *FASEB Journal*, **2008**, 22, 1163.17	0.9	
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22	Evaluation of whole muscle apoptotic susceptibility in young and old animals. *FASEB Journal*, **2008**, 22, 1163.16	0.9
21	Mitochondrial Quality Control Regulation by p53 During Disuse-Induced Atrophy. *FASEB Journal*, **2019**, 33, 537.3	0.9
20	The Effect of Chronic Contractile Activity and Retinoic Acid on Mitochondrial Turnover in C2C12 Myotubes. *FASEB Journal*, **2019**, 33, 537.7	0.9
19	Hindlimb Denervation Alters the Regulation of Autophagy and Mitophagy. *FASEB Journal*, **2019**, 33, 700.14	0.9
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17	Parkin and its Role in Skeletal Muscle Function. *FASEB Journal*, **2015**, 29, 821.3	0.9
16	Quantification of dynamic mitochondrial morphologies in myoblasts. *FASEB Journal*, **2010**, 24, 989.21	0.9
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14	Voluntary aerobic exercise attenuates oxidative stress-induced apoptotic signalling in cardiac muscle. *FASEB Journal*, **2010**, 24, 806.8	0.9
13	Skeletal muscle apoptosis following 7 days of denervation-induced muscle disuse. *FASEB Journal*, **2010**, 24, 1044.4	0.9
12	Regulation of p53 mRNA by AMP Kinase (AMPK) activation in C2C12 myoblasts. *FASEB Journal*, **2010**, 24, 989.13	0.9
11	Regulation of Tfam mRNA stability in skeletal muscle fiber types. *FASEB Journal*, **2010**, 24, 989.14	0.9
10	Autophagy signaling following denervation-induced muscle disuse in young and old animals. *FASEB Journal*, **2011**, 25, 1106.5	0.9
9	Mitochondrial protein import in muscle of p53 wildtype (WT) and knockout (KO) mice. *FASEB Journal*, **2011**, 25, 1104.3	0.9
8	Alterations in mitochondrial fission and fusion proteins with chronic muscle use and disuse. *FASEB Journal*, **2011**, 25, 1106.3	0.9
7	Importance of fiber type and contractile activity to autophagic protein expression in cardiac and skeletal muscle. *FASEB Journal*, **2011**, 25, 1107.5	0.9
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5	Influence of contractile activity-induced intracellular signaling on PGC-1 activity in muscle cells. *FASEB Journal*, **2011**, 25, 1105.22	0.9

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