Malcolm J Jackson

List of Publications by Year
in descending order

209 papers	11,578 citations	28242 55 h-index	33869 99 g-index
210 all docs	210 docs citations	210 times ranked	11863 citing authors

#	Article	IF	Citations
1	Exercise-Induced Oxidative Stress: Cellular Mechanisms and Impact on Muscle Force Production. Physiological Reviews, 2008, 88, 1243-1276.	13.1	1,784
2	Reactive Oxygen Species: Impact on Skeletal Muscle. , 2011, 1, 941-969.		346
3	Oxidation of carotenoids by free radicals: relationship between structure and reactivity. Biochimica Et Biophysica Acta - General Subjects, 1997, 1336, 33-42.	1.1	339
4	An increase in selenium intake improves immune function and poliovirus handling in adults with marginal selenium status. American Journal of Clinical Nutrition, 2004, 80, 154-162.	2.2	329
5	Carotenoids and protection of phospholipids in solution or in liposomes against oxidation by peroxyl radicals: Relationship between carotenoid structure and protective ability. Biochimica Et Biophysica Acta - General Subjects, 1997, 1336, 575-586.	1.1	299
6	A simple protocol for the subcellular fractionation of skeletal muscle cells and tissue. BMC Research Notes, 2012, 5, 513.	0.6	257
7	Overexpression of HSP70 in mouse skeletal muscle protects against muscle damage and ageâ€related muscle dysfunction. FASEB Journal, 2004, 18, 1-12.	0.2	225
8	Studies of Mitochondrial and Nonmitochondrial Sources Implicate Nicotinamide Adenine Dinucleotide Phosphate Oxidase(s) in the Increased Skeletal Muscle Superoxide Generation That Occurs During Contractile Activity. Antioxidants and Redox Signaling, 2013, 18, 603-621.	2.5	207
9	Antioxidants, reactive oxygen and nitrogen species, gene induction and mitochondrial function. Molecular Aspects of Medicine, 2002, 23, 209-285.	2.7	201
10	Free radical generation by skeletal muscle of adult and old mice: effect of contractile activity. Aging Cell, 2006, 5, 109-117.	3.0	180
11	Time course of responses of human skeletal muscle to oxidative stress induced by nondamaging exercise. Journal of Applied Physiology, 2001, 90, 1031-1035.	1.2	178
12	Release of reactive oxygen and nitrogen species from contracting skeletal muscle cells. Free Radical Biology and Medicine, 2004, 37, 1064-1072.	1.3	169
13	The production of reactive oxygen and nitrogen species by skeletal muscle. Journal of Applied Physiology, 2007, 102, 1664-1670.	1.2	167
14	Is there a potential therapeutic value of copper and zinc for osteoporosis?. Proceedings of the Nutrition Society, 2002, 61, 181-185.	0.4	149
15	Effect of lifelong overexpression of HSP70 in skeletal muscle on ageâ€related oxidative stress and adaptation after nondamaging contractile activity. FASEB Journal, 2006, 20, 1549-1551.	0.2	146
16	Ageâ€related changes in skeletal muscle reactive oxygen species generation and adaptive responses to reactive oxygen species. Journal of Physiology, 2011, 589, 2139-2145.	1.3	142
17	Exercise and skeletal muscle ageing: cellular and molecular mechanisms. Ageing Research Reviews, 2002, 1, 79-93.	5.0	140
18	Redefining the major contributors to superoxide production in contracting skeletal muscle. The role of NAD(P)H oxidases. Free Radical Research, 2014, 48, 12-29.	1.5	137

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19	In vivo model of muscle pain: Quantification of intramuscular chemical, electrical, and pressure changes associated with saline-induced muscle pain in humans. Pain, 1997, 69, 137-143.	2.0	132
20	Free radicals generated by contracting muscle: By-products of metabolism or key regulators of muscle function?. Free Radical Biology and Medicine, 2008, 44, 132-141.	1.3	125
21	Exercise, oxidative stress and ageing. Journal of Anatomy, 2000, 197, 539-541.	0.9	119
22	Control of Reactive Oxygen Species Production in Contracting Skeletal Muscle. Antioxidants and Redox Signaling, 2011, 15, 2477-2486.	2.5	114
23	Dietary Fish-Oil Supplementation in Humans Reduces UVB-Erythemal Sensitivity but Increases Epidermal Lipid Peroxidation. Journal of Investigative Dermatology, 1994, 103, 151-154.	0.3	111
24	UVR-induced oxidative stress in human skin in vivo: effects of oral vitamin C supplementation. Free Radical Biology and Medicine, 2002, 33, 1355-1362.	1.3	108
25	Is oxidative stress a physiological cost of reproduction? An experimental test in house mice. Proceedings of the Royal Society B: Biological Sciences, 2011, 278, 1098-1106.	1.2	108
26	Preconditioning of skeletal muscle against contraction-induced damage: the role of adaptations to oxidants in mice. Journal of Physiology, 2004, 561, 233-244.	1.3	107
27	Intracellular generation of reactive oxygen species by contracting skeletal muscle cells. Free Radical Biology and Medicine, 2005, 39, 651-657.	1.3	107
28	Effect of acute zinc depletion on zinc homeostasis and plasma zinc kinetics in men. American Journal of Clinical Nutrition, 2001, 74, 116-124.	2.2	102
29	Reactive oxygen species and redox-regulation of skeletal muscle adaptations to exercise. Philosophical Transactions of the Royal Society B: Biological Sciences, 2005, 360, 2285-2291.	1.8	102
30	Differential Cysteine Labeling and Global Label-Free Proteomics Reveals an Altered Metabolic State in Skeletal Muscle Aging. Journal of Proteome Research, 2014, 13, 5008-5021.	1.8	99
31	Mitochondrial ROS regulate oxidative damage and mitophagy but not age-related muscle fiber atrophy. Scientific Reports, 2016, 6, 33944.	1.6	97
32	Damage to developing mouse skeletal muscle myotubes in culture: protective effect of heat shock proteins. Journal of Physiology, 2003, 548, 837-846.	1.3	97
33	Evidence for free radical generation after primary percutaneous transluminal coronary angioplasty recanalization in acute myocardial infarction. American Journal of Cardiology, 1996, 77, 122-127.	0.7	95
34	Effects of oral vitamin E and Î²-carotene supplementation on ultraviolet radiationâ€"induced oxidative stress in human skin. American Journal of Clinical Nutrition, 2004, 80, 1270-1275.	2.2	93
35	<i>In Situ</i> Detection and Measurement of Intracellular Reactive Oxygen Species in Single Isolated Mature Skeletal Muscle Fibers by Real Time Fluorescence Microscopy. Antioxidants and Redox Signaling, 2008, 10, 1463-1474.	2.5	92
36	Repeated bouts of aerobic exercise lead to reductions in skeletal muscle free radical generation and nuclear factor ÎºB activation. Journal of Physiology, 2008, 586, 3979-3990.	1.3	88

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37	Skeletal Muscle Contractions Induce Acute Changes in Cytosolic Superoxide, but Slower Responses in Mitochondrial Superoxide and Cellular Hydrogen Peroxide. PLoS ONE, 2014, 9, e96378.	1.1	88
38	Eicosapentaenoic Acid and Docosahexaenoic Acid Reduce UVB- and TNF-Î±-induced IL-8 Secretion in Keratinocytes and UVB-induced IL-8 in Fibroblasts. Journal of Investigative Dermatology, 2005, 124, 248-255.	0.3	85
39	Real-time measurement of nitric oxide in single mature mouse skeletal muscle fibres during contractions. Journal of Physiology, 2007, 581, 309-318.	1.3	85
40	How does dystrophin deficiency lead to muscle degeneration? â€" Evidence from the MDX mouse. Neuromuscular Disorders, 1995, 5, 445-456.	0.3	82
41	A new mouse model of frailty: the Cu/Zn superoxide dismutase knockout mouse. GeroScience, 2017, 39, 187-198.	2.1	79
42	Attenuated HSP70 response in skeletal muscle of aged rats following contractile activity. Muscle and Nerve, 2002, 25, 902-905.	1.0	78
43	Neuronâ€specific expression of CuZnSOD prevents the loss of muscle mass and function that occurs in homozygous CuZnSODâ€knockout mice. FASEB Journal, 2014, 28, 1666-1681.	0.2	75
44	Dietary supplementation with carotenoids: effects on Î±-tocopherol levels and susceptibility of tissues to oxidative stress. British Journal of Nutrition, 1996, 76, 307-317.	1.2	74
45	Lifelong training preserves some redox-regulated adaptive responses after an acute exercise stimulus in aged human skeletal muscle. Free Radical Biology and Medicine, 2014, 70, 23-32.	1.3	74
46	Zinc absorption in the rat. British Journal of Nutrition, 1981, 46, 15-27.	1.2	72
47	Time course of changes in plasma membrane permeability in the dystrophin-deficient mdx mouse. Muscle and Nerve, 1994, 17, 1378-1384.	1.0	68
48	Measurements of calcium and other elements in muscle biopsy samples from patients with Duchenne Muscular Dystrophy. Clinica Chimica Acta, 1985, 147, 215-221.	0.5	67
49	Redox regulation of adaptive responses in skeletal muscle to contractile activity. Free Radical Biology and Medicine, 2009, 47, 1267-1275.	1.3	67
50	Free radical activity following contraction-induced injury to the extensor digitorum longus muscles of rats. Free Radical Biology and Medicine, 1999, 26, 1085-1091.	1.3	62
51	Neuron specific reduction in CuZnSOD is not sufficient to initiate a full sarcopenia phenotype. Redox Biology, 2015, 5, 140-148.	3.9	61
52	An overview of methods for assessment of free radical activity in biology. Proceedings of the Nutrition Society, 1999, 58, 1001-1006.	0.4	60
53	Cellular mechanisms underlying oxidative stress in human exercise. Free Radical Biology and Medicine, 2016, 98, 13-17.	1.3	60
54	Vitamin E and the Oxidative Stress of Exercise. Annals of the New York Academy of Sciences, 2004, 1031, 158-168.	1.8	58

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55	Reactive oxygen species in sarcopenia: Should we focus on excess oxidative damage or defective redox signalling?. Molecular Aspects of Medicine, 2016, 50, 33-40.	2.7	58
56	Role of superoxideâ€“nitric oxide interactions in the accelerated ageâ€related loss of muscle mass in mice lacking Cu,Zn superoxide dismutase. Aging Cell, 2011, 10, 749-760.	3.0	57
57	Tissueâ€dependent changes in oxidative damage with male reproductive effort in house mice. Functional Ecology, 2012, 26, 423-433.	1.7	57
58	CuZnSOD gene deletion targeted to skeletal muscle leads to loss of contractile force but does not cause muscle atrophy in adult mice. FASEB Journal, 2013, 27, 3536-3548.	0.2	57
59	In Vitro Screening of Iron Chelators Using Models of Free Radical Damage. Free Radical Research Communications, 1986, 2, 115-124.	1.8	54
60	Hyperthermia to normal human skinin vivoupregulates heat shock proteins 27, 60, 72i and 90. Journal of Cutaneous Pathology, 2000, 27, 176-182.	0.7	53
61	Measurement of free radical production by in vivo microdialysis during ischemia/reperfusion injury to skeletal muscle. Free Radical Biology and Medicine, 2001, 30, 979-985.	1.3	52
62	Accelerated sarcopenia in Cu/Zn superoxide dismutase knockout mice. Free Radical Biology and Medicine, 2019, 132, 19-23.	1.3	51
63	Role of reactive oxygen species in the defective regeneration seen in aging muscle. Free Radical Biology and Medicine, 2013, 65, 317-323.	1.3	50
64	Contraction-induced injury to the extensor digitorum longus muscles of rats: the role of vitamin E. Journal of Applied Physiology, 1997, 83, 817-823.	1.2	48
65	The ageâ€related failure of adaptive responses to contractile activity in skeletal muscle is mimicked in young mice by deletion of Cu,Zn superoxide dismutase. Aging Cell, 2010, 9, 979-990.	3.0	48
66	Aging increases the oxidation of dichlorohydrofluorescein in single isolated skeletal muscle fibers at rest, but not during contractions. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2013, 305, R351-R358.	0.9	48
67	Exercise and oxygen radical production by muscle. , 2000, , 57-68.		47
68	The measurement of exchangeable pools of zinc using the stable isotope 70Zn. British Journal of Nutrition, 1993, 70, 221-234.	1.2	46
69	Microdialysis studies of extracellular reactive oxygen species in skeletal muscle: Factors influencing the reduction of cytochrome c and hydroxylation of salicylate. Free Radical Biology and Medicine, 2005, 39, 1460-1467.	1.3	46
70	Redox regulation of skeletal muscle. IUBMB Life, 2008, 60, 497-501.	1.5	44
71	Ischemia-reperfusion-induced muscle damage: Protective effect of corticosteroids and antioxidants in rabbits. Acta Orthopaedica, 1996, 67, 393-398.	1.4	42
72	Markers of oxidative stress in the skeletal muscle of patients on haemodialysis. Nephrology Dialysis Transplantation, 2007, 22, 1177-1183.	0.4	41

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73	In the idiopathic inflammatory myopathies (IIM), do reactive oxygen species (ROS) contribute to muscle weakness?. Annals of the Rheumatic Diseases, 2015, 74, 1340-1346.	0.5	41
74	Comparison of Whole Body SOD1 Knockout with Muscle-Specific SOD1 Knockout Mice Reveals a Role for Nerve Redox Signaling in Regulation of Degenerative Pathways in Skeletal Muscle. Antioxidants and Redox Signaling, 2018, 28, 275-295.	2.5	41
75	Contraction-Induced Oxidants as Mediators of Adaptation and Damage in Skeletal Muscle. Exercise and Sport Sciences Reviews, 2004, 32, 14-18.	1.6	40
76	Longâ€term administration of the mitochondriaâ€targeted antioxidant mitoquinone mesylate fails to attenuate ageâ€related oxidative damage or rescue the loss of muscle mass and function associated with aging of skeletal muscle. FASEB Journal, 2016, 30, 3771-3785.	0.2	40
77	Denervated muscle fibers induce mitochondrial peroxide generation in neighboring innervated fibers: Role in muscle aging. Free Radical Biology and Medicine, 2017, 112, 84-92.	1.3	40
78	Redox regulation of muscle adaptations to contractile activity and aging. Journal of Applied Physiology, 2015, 119, 163-171.	1.2	39
79	Genetic modification of the manganese superoxide dismutase/glutathione peroxidase 1 pathway influences intracellular ROS generation in quiescent, but not contracting, skeletal muscle cells. Free Radical Biology and Medicine, 2006, 41, 1719-1725.	1.3	37
80	Absence of insulin signalling in skeletal muscle is associated with reduced muscle mass and function: evidence for decreased protein synthesis and not increased degradation. Age, 2010, 32, 209-222.	3.0	37
81	MiR-23-TrxR1 as a novel molecular axis in skeletal muscle differentiation. Scientific Reports, 2017, 7, 7219.	1.6	37
82	Formation of 3-nitrotyrosines in carbonic anhydrase III is a sensitive marker of oxidative stress in skeletal muscle. Proteomics - Clinical Applications, 2007, 1, 362-372.	0.8	36
83	SS-31 attenuates TNF-Î± induced cytokine release from C2C12 myotubes. Redox Biology, 2015, 6, 253-259.	3.9	36
84	Role of nerveâ€"muscle interactions and reactive oxygen species in regulation of muscle proteostasis with ageing. Journal of Physiology, 2017, 595, 6409-6415.	1.3	36
85	Overexpression of HSP10 in skeletal muscle of transgenic mice prevents the age-related fall in maximum tetanic force generation and muscle cross-sectional area. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2010, 299, R268-R276.	0.9	35
86	Role of reactive oxygen species in ageâ€related neuromuscular deficits. Journal of Physiology, 2016, 594, 1979-1988.	1.3	35
87	Skeletal muscle aging: Role of reactive oxygen species. Critical Care Medicine, 2009, 37, S368-S371.	0.4	34
88	Reperfusion injury after acute myocardial infarction. BMJ: British Medical Journal, 1995, 310, 477-478.	2.4	34
89	Plasma zinc, copper, and amino acid levels in the blood of autistic children. Journal of Autism and Childhood Schizophrenia, 1978, 8, 203-208.	0.7	33
90	Antioxidant activity of carotenoids in phosphatidylcholine vesicles: chemical and structural considerations. Biochemical Society Transactions, 1995, 23, 133S-133S.	1.6	33

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91	Skeletal muscles of aged male mice fail to adapt following contractile activity. Biochemical Society Transactions, 2003, 31, 455-456.	1.6	31
92	Release of superoxide from skeletal muscle of adult and old mice: an experimental test of the reductive hotspot hypothesis. Aging Cell, 2007, 6, 189-195.	3.0	31
93	Lipid peroxidation of skeletal muscle: an in vitro study. Bioscience Reports, 1983, 3, 609-619.	1.1	30
94	Enhanced Recovery from Contraction-Induced Damage in Skeletal Muscles of Old Mice Following Treatment with the Heat Shock Protein Inducer 17-(Allylamino)-17-Demethoxygeldanamycin. Rejuvenation Research, 2008, 11, 1021-1030.	0.9	29
95	Aberrant redox signalling and stress response in age-related muscle decline: Role in inter- and intra-cellular signalling. Free Radical Biology and Medicine, 2019, 132, 50-57.	1.3	29
96	Neuronâ€specific deletion of CuZnSOD leads to an advanced sarcopenic phenotype in older mice. Aging Cell, 2020, 19, e13225.	3.0	29
97	Albumin overload induces adaptive responses in human proximal tubular cells through oxidative stress but not via angiotensin II type 1 receptor. American Journal of Physiology - Renal Physiology, 2007, 292, F1846-F1857.	1.3	28
98	Prolonged treadmill training increases HSP70 in skeletal muscle but does not affect age-related functional deficits. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2008, 294, R568-R576.	0.9	28
99	Identification of benzopyrone as a common structural feature in compounds with anti-inflammatory activity in a zebrafish phenotypic screen. DMM Disease Models and Mechanisms, 2016, 9, 621-32.	1.2	28
100	Redox regulation in skeletal muscle during contractile activity and aging 1. Journal of Animal Science, 2010, 88, 1307-1313.	0.2	27
101	Alpha B-crystallin induction in skeletal muscle cells under redox imbalance is mediated by a JNK-dependent regulatory mechanism. Free Radical Biology and Medicine, 2015, 86, 331-342.	1.3	27
102	Inhibition of lipid peroxidation in muscle homogenates by phospholipase A2 inhibitors. Bioscience Reports, 1984, 4, 581-587.	1.1	26
103	Strategies for reducing oxidative damage in ageing skeletal muscleâ˜†. Advanced Drug Delivery Reviews, 2009, 61, 1363-1368.	6.6	26
104	Application of redox proteomics to skeletal muscle aging and exercise. Biochemical Society Transactions, 2014, 42, 965-970.	1.6	26
105	Nitric oxide availability is increased in contracting skeletal muscle from aged mice, but does not differentially decrease muscle superoxide. Free Radical Biology and Medicine, 2015, 78, 82-88.	1.3	26
106	Redox responses in skeletal muscle following denervation. Redox Biology, 2019, 26, 101294.	3.9	26
107	Marginal Dietary Selenium Intakes in the UK: Are There Functional Consequences?. Journal of Nutrition, 2003, 133, 1557S-1559S.	1.3	25
108	Developing a toolkit for the assessment and monitoring of musculoskeletal ageing. Age and Ageing, 2018, 47, iv1-iv19.	0.7	25

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109	Free-radical activity after primary coronary angioplasty in acute myocardial infarction. American Heart Journal, 1994, 127, 1443-1449.	1.2	24
110	HSF expression in skeletal muscle during myogenesis: Implications for failed regeneration in old mice. Experimental Gerontology, 2006, 41, 497-500.	1.2	24
111	In vitro susceptibility of thioredoxins and glutathione to redox modification and aging-related changes in skeletal muscle. Free Radical Biology and Medicine, 2012, 53, 2017-2027.	1.3	24
112	Effect of passive stretch on intracellular nitric oxide and superoxide activities in single skeletal muscle fibres: Influence of ageing. Free Radical Research, 2012, 46, 30-40.	1.5	24
113	Redox responses are preserved across muscle fibres with differential susceptibility to aging. Journal of Proteomics, 2018, 177, 112-123.	1.2	24
114	Effects of calcium ionophore on vitamin E-deficient rat muscle. British Journal of Nutrition, 1990, 64, 245-256.	1.2	23
115	Ageing-induced changes in the redox status of peripheral motor nerves imply an effect on redox signalling rather than oxidative damage. Free Radical Biology and Medicine, 2016, 94, 27-35.	1.3	23
116	The effect of antioxidant supplementation on a serum marker of free radical activity and abnormal serum biochemistry in alcoholic patients admitted for detoxification. Journal of Hepatology, 1993, 19, 105-109.	1.8	22
117	Ischemia and reperfusion of skeletal muscle lead to the appearance of a stable lipid free radical in the circulation. American Journal of Physiology - Heart and Circulatory Physiology, 2003, 284, H2400-H2404.	1.5	22
118	The Role of Eif6 in Skeletal Muscle Homeostasis Revealed by Endurance Training Co-expression Networks. Cell Reports, 2017, 21, 1507-1520.	2.9	22
119	Hydrogen peroxide as a signal for skeletal muscle adaptations to exercise: What do concentrations tell us about potential mechanisms?. Redox Biology, 2020, 35, 101484.	3.9	22
120	Dantrolene sodium protects against experimental ischemia and reperf usion damage to skeletal muscle. Acta Orthopaedica, 1995, 66, 352-358.	1.4	21
121	Conjugated linoleic acids modulate UVR-induced IL-8 and PGE2 in human skin cells: potential of CLA isomers in nutritional photoprotection. Carcinogenesis, 2007, 28, 1329-1333.	1.3	21
122	The effect of lengthening contractions on neuromuscular junction structure in adult and old mice. Age, 2016, 38, 259-272.	3.0	21
123	Interactions Between Reactive Oxygen Species Generated by Contractile Activity and Aging in Skeletal Muscle?. Antioxidants and Redox Signaling, 2013, 19, 804-812.	2.5	20
124	Release of creatine kinase and prostaglandin E2 from regenerating skeletal muscle fibers. Journal of Applied Physiology, 1994, 76, 1274-1278.	1.2	19
125	Age-related changes in muscle calcium content in dystrophin-deficient mdx mice. , 1997, 20, 357-360.		19
126	Identification of (poly)phenol treatments that modulate the release of pro-inflammatory cytokines by human lymphocytes. British Journal of Nutrition, 2016, 115, 1699-1710.	1.2	19

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127	DTPA in the management of iron overload in thalassaemia. Journal of Inherited Metabolic Disease, 1983, 6, 97-98.	1.7	18
128	Are there functional consequences of a reduction in selenium intake in UK subjects?. Proceedings of the Nutrition Society, 2004, 63, 513-517.	0.4	18
129	Secretory proteostasis of the retinal pigmented epithelium: Impairment links to age-related macular degeneration. Progress in Retinal and Eye Research, 2020, 79, 100859.	7.3	17
130	Energy dependence of cytosolic enzyme efflux from rat skeletal muscle. Clinica Chimica Acta, 1990, 189, 163-172.	0.5	16
131	Physiological role of zinc. Food Chemistry, 1992, 43, 233-238.	4.2	16
132	Oxidative Stress in a Novel Model of Chronic Acidosis in LLC-PK1 Cells. Nephron Experimental Nephrology, 2003, 95, e13-e23.	2.4	16
133	2-Cys peroxiredoxin oxidation in response to hydrogen peroxide and contractile activity in skeletal muscle: A novel insight into exercise-induced redox signalling?. Free Radical Biology and Medicine, 2020, 160, 199-207.	1.3	16
134	The effect of vitamin E analogues and long hydrocarbon chain compounds on calcium-induced muscle damage. A novel role for Î±-tocopherol?. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 1991, 1097, 212-218.	1.8	15
135	Dietary polyunsaturated fatty acids, vitamin E and hypoxia/reoxygenation-induced damage to cardiac tissue. Clinica Chimica Acta, 1997, 267, 197-211.	0.5	15
136	Effects of micronutrient supplements on u.v.-induced skin damage. Proceedings of the Nutrition Society, 2002, 61, 187-189.	0.4	15
137	Lack of CuZnSOD activity: A pointer to the mechanisms underlying age-related loss of muscle function. Free Radical Biology and Medicine, 2006, 40, 1900-1902.	1.3	15
138	Age affects the contraction-induced mitochondrial redox response in skeletal muscle. Frontiers in Physiology, 2015, 6, 21.	1.3	15
139	The role of attenuated redox and heat shock protein responses in the age-related decline in skeletal muscle mass and function. Essays in Biochemistry, 2017, 61, 339-348.	2.1	15
140	Advanced glycation end productsâ€related modulation of cathepsin L and NFâ€ÎºB signalling effectors in retinal pigment epithelium lead to augmented response to TNFÎ±. Journal of Cellular and Molecular Medicine, 2019, 23, 405-416.	1.6	15
141	Exercise stress leads to an acute loss of mitochondrial proteins and disruption of redox control in skeletal muscle of older subjects: An underlying decrease in resilience with aging?. Free Radical Biology and Medicine, 2021, 177, 88-99.	1.3	14
142	Chronic Household Air Pollution Exposure Is Associated with Impaired Alveolar Macrophage Function in Malawian Non-Smokers. PLoS ONE, 2015, 10, e0138762.	1.1	13
143	Recent advances and longâ€standing problems in detecting oxidative damage and reactive oxygen species in skeletal muscle. Journal of Physiology, 2016, 594, 5185-5193.	1.3	13
144	Energy metabolism during damaging contractile activity in isolated skeletal muscle: A31P-NMR study. Clinica Chimica Acta, 1991, 203, 119-134.	0.5	12

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145	Differential free-radical activity after successful and unsuccessful thrombolytic reperfusion in acute myocardial infarction. Coronary Artery Disease, 1993, 4, 769-774.	0.3	11
146	Serum octadeca-9,11 dienoic acid â€" an assay of free radical activity or a result of bacterial production?. Clinica Chimica Acta, 1994, 224, 139-146.	0.5	11
147	Heat shock protein 70 expression in skeletal muscle. Biochemical Society Transactions, 1996, 24, 485S-485S.	1.6	11
148	C-myc is expressed in mouse skeletal muscle nuclei during post-natal maturation. International Journal of Biochemistry and Cell Biology, 1998, 30, 811-821.	1.2	11
149	Effect of propylthiouracil-induced hypothyroidism on the onset of skeletal muscle necrosis in dystrophin-deficient mdx mice. Clinical Science, 1998, 95, 83-89.	1.8	11
150	Redox proteomic analysis of the gastrocnemius muscle from adult and old mice. Data in Brief, 2015, 4, 344-348.	0.5	11
151	Effects of cocaine on leakage of creatine kinase from skeletal muscle: In vitro and in vivo studies in mice. Life Sciences, 1995, 57, 1569-1578.	2.0	10
152	In vivo microdialysis?A technique for analysis of chemical activators of muscle pain. , 1999, 22, 1047-1052.		10
153	EPR Spectroscopic Evidence of Free Radical Outflow from an Isolated Muscle Bed in Exercising Humans. Advances in Experimental Medicine and Biology, 2003, 540, 297-303.	0.8	10
154	A stable isotope study of zinc kinetics in Irish setters with gluten-sensitive enteropathy. British Journal of Nutrition, 1995, 74, 69-76.	1.2	9
155	On the mechanisms underlying attenuated redox responses to exercise in older individuals: A hypothesis. Free Radical Biology and Medicine, 2020, 161, 326-338.	1.3	9
156	6 Free Radicals and Skeletal Muscle Disorders. , 1990, , 149-171.		8
157	The nature of the proteins lost from isolated rat skeletal muscle during experimental damage. Clinica Chimica Acta, 1991, 197, 1-7.	0.5	8
158	Prostaglandin metabolism in dystrophin-deficient MDX mouse muscle. Biochemical Society Transactions, 1991, 19, 177S-177S.	1.6	8
159	Characterisation of the Expression of the Renin-Angiotensin System in Primary and Immortalised Human Renal Proximal Tubular Cells. Nephron Experimental Nephrology, 2010, 116, e53-e61.	2.4	8
160	Effect of propylthiouracil-induced hypothyroidism on the onset of skeletal muscle necrosis in dystrophin-deficient mdx mice. Clinical Science, 1998, 95, 83.	1.8	7
161	The Use of In Vivo Microdialysis Techniques to Detect Extracellular ROS in Resting and Contracting Skeletal Muscle. Methods in Molecular Biology, 2008, 477, 123-136.	0.4	7
162	Redox Control of Signalling Responses to Contractile Activity and Ageing in Skeletal Muscle. Cells, 2022, 11, 1698.	1.8	7

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163	The double isotope tracer method is a reliable measure of fractional zinc absorption. European Journal of Clinical Nutrition, 1997, 51, 787-789.	1.3	6
164	RENAL TUBULAR PEPTIDE CATABOLISM IN CHRONIC VASCULAR REJECTION. Renal Failure, 2001, 23, 517-531.	0.8	6
165	Can dietary micronutrients influence tissue antioxidant capacity?. Proceedings of the Nutrition Society, 1994, 53, 53-57.	0.4	5
166	Expression of programmed cell death-related genes in dystrophic <i>mdx</i> and control mouse muscle. Biochemical Society Transactions, 1996, 24, 486S-486S.	1.6	5
167	Programmed cell death in skeletal muscle. Biochemical Society Transactions, 1998, 26, S259-S259.	1.6	5
168	Lack of shedding of the RIX4414 live attenuated rotavirus vaccine administered to adult volunteers. Archives of Virology, 2007, 152, 1951-1954.	0.9	5
169	Failure of Electron Paramagnetic Resonance Spectroscopy Studies to Detect Elevated Free Radical Signals in Liver Biopsy Specimens from Patients with Alcoholic Liver Disease. Free Radical Research, 1995, 22, 99-107.	1.5	4
170	Use of Microdialysis to Study Interstitial Nitric Oxide and Other Reactive Oxygen and Nitrogen Species in Skeletal Muscle. Methods in Enzymology, 2005, 396, 514-525.	0.4	4
171	Mechanistic models to guide redox investigations and interventions in musculoskeletal ageing. Free Radical Biology and Medicine, 2020, 149, 2-7.	1.3	4
172	Molecular mechanisms of muscle damage. , 1993, 3, 257-282.		4
173	Physiological zinc-binding proteins of medium molecular weight in the rat gut. British Journal of Nutrition, 1986, 55, 369-377.	1.2	3
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