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DOI: 10.1152/physrev.00031.2007 Physiological Reviews, 2008, 88, 1243-76.

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1598	The effects of a post-workout nutraceutical drink on body composition, performance and hormonal and biochemical responses in Division I college football players. 2009 , 6, 73		5
1597	Redox regulation of adaptive responses in skeletal muscle to contractile activity. 2009 , 47, 1267-75		58
1596	Vitamin E and C supplementation does not ameliorate muscle dysfunction after anterior cruciate ligament surgery. 2009 , 47, 1611-8		26
1595	Thinner inhalation effects on oxidative stress and DNA repair in a rat model of abuse. 2010 , 30, 226-32		13
1594	Commentary: oxidative stress reconsidered. 2009 , 4, 161-3		29
1593	Myofiber apoptosis occurs in the inflammation and regeneration phase following eccentric contractions in rats. 2009 , 59, 405-12		27
1592	Emerging concepts in acute mountain sickness and high-altitude cerebral edema: from the molecular to the morphological. 2009 , 66, 3583-94		136
1591	Is there an interaction between PPARD T294C and PPARGC1A Gly482Ser polymorphisms and human endurance performance?. 2009 , 94, 1147-52		27

(2010-2009)

1590	Parallels of snipe hunting and ROS research: the challenges of studying ROS and redox signalling in response to exercise. 2009 , 587, 927-8	1
1589	Effects of ageing and exercise training on eNOS uncoupling in skeletal muscle resistance arterioles. 2009 , 587, 3885-97	117
1588	High temperature does not alter fatigability in intact mouse skeletal muscle fibres. 2009 , 587, 4717-24	27
1587	Melatonin preserves longevity protein (sirtuin 1) expression in the hippocampus of total sleep-deprived rats. 2009 , 47, 211-20	86
1586	Strategies for reducing oxidative damage in ageing skeletal muscle. 2009 , 61, 1363-8	24
1585	ROS and myokines promote muscle adaptation to exercise. 2009 , 20, 95-9	97
1584	Assessment and scoring of stresses imposed on goats during handling, loading, road transportation and unloading, and the effect of pretreatment with ascorbic acid. 2009 , 125, 275-282	26
1583	Frequent ejaculation associated free radical and lactic acid accumulation cause noninfectious inflammation and muscle dysfunction: a potential mechanism for symptoms in Chronic Prostatitis/Chronic Pelvic Pain Syndrome. 2009 , 73, 372-3	5
1582	Blood as a reactive species generator and redox status regulator during exercise. 2009 , 490, 77-84	104
1581	Effect of eicosapentaenoic and docosahexaenoic acid on resting and exercise-induced inflammatory and oxidative stress biomarkers: a randomized, placebo controlled, cross-over study. 2009 , 8, 36	88
1580	Antioxidants prevent health-promoting effects of physical exercise in humans. 2009, 106, 8665-70	1108
1579	Prolonged mechanical ventilation alters diaphragmatic structure and function. 2009, 37, S347-53	132
1578	Sepsis-induced myopathy. 2009 , 37, S354-67	169
1577	Skeletal muscle aging: role of reactive oxygen species. 2009 , 37, S368-71	29
1576	Active recovery training does not affect the antioxidant response to soccer games in elite female players. 2010 , 104, 1492-9	18
1575	Soleus adaptation to combined exercise and heat acclimation: physiogenomic aspects. 2010 , 42, 943-52	21
1574	Oxidative stress and muscle homeostasis. 2010 , 13, 236-42	54
1573	Physiological responses of erythrocytes of goats to transportation and the mondulatory role of ascorbic acid. 2010 , 72, 875-81	24

1572	Experimental guidelines for studies designed to investigate the impact of antioxidant supplementation on exercise performance. 2010 , 20, 2-14	56
1571	Selecting exercise regimens and strains to modify obesity and diabetes in rodents: an overview. 2010 , 119, 57-74	23
1570	ARE ANTIOXIDANT SUPPLEMENTS REQUIRED FOR ACTIVE ADULTS?. 2010 , 14, 11-14	
1569	Identification, quantification, and functional aspects of skeletal muscle protein-carbonylation in vivo during acute oxidative stress. 2010 , 9, 2516-26	30
1568	Beta-alanine supplementation reduces acidosis but not oxygen uptake response during high-intensity cycling exercise. 2010 , 108, 495-503	90
1567	Metabolomics investigation of exercise-modulated changes in metabolism in rat liver after exhaustive and endurance exercises. 2010 , 108, 557-66	48
1566	Impact of exercise training on oxidative stress in individuals with a spinal cord injury. 2010 , 109, 1059-66	12
1565	Muscle fatigue: from observations in humans to underlying mechanisms studied in intact single muscle fibres. 2010 , 110, 1-15	106
1564	The multiple actions of NO. 2010 , 459, 829-39	104
1563	Prolonged treatment with the anabolic-androgenic steroid stanozolol increases antioxidant defences in rat skeletal muscle. 2010 , 66, 63-71	15
1562	Effect of zinc supplementation on antioxidant activity in young wrestlers. 2010 , 134, 55-63	27
1561	Behavioral and rectal temperature responses of Black Harco pullets administered vitamins C and E and transported by road during the hot-dry season. 2010 , 5, 134-144	17
1560	Epigenetic oxidative redox shift (EORS) theory of aging unifies the free radical and insulin signaling theories. 2010 , 45, 173-9	84
1559	How increased oxidative stress promotes longevity and metabolic health: The concept of mitochondrial hormesis (mitohormesis). 2010 , 45, 410-8	553
1558	Marginal zinc deficiency increases oxidative DNA damage in the prostate after chronic exercise. 2010 , 48, 82-8	32
1557	A novel role for caveolin-1 in regulating endothelial nitric oxide synthase activation in response to H2O2 and shear stress. 2010 , 49, 159-70	28
1556	Skeletal muscle: energy metabolism, fiber types, fatigue and adaptability. 2010 , 316, 3093-9	173
1555	Nonadaptive processes in primate and human evolution. 2010 , 143 Suppl 51, 13-45	14

1554	Vascular redox imbalance in rats submitted to chronic exercise. 2010 , 28, 190-6	9
1553	Mitochondrial redox potential during contraction in single intact muscle fibers. 2010 , 42, 522-9	57
1552	Hypoxemic and ischemic tolerance in emperor penguins. 2010 , 152, 18-23	13
1551	The effects of theaflavin-enriched black tea extract on muscle soreness, oxidative stress, inflammation, and endocrine responses to acute anaerobic interval training: a randomized, double-blind, crossover study. 2010 , 7, 11	55
1550	Hypoxia preconditioning by cobalt chloride enhances endurance performance and protects skeletal muscles from exercise-induced oxidative damage in rats. 2010 , 200, 249-63	37
1549	Plasma antioxidant responses and oxidative stress following a soccer game in elite female players. 2010 , 20, 600-8	26
1548	Oxidative stress as a life-history constraint: the role of reactive oxygen species in shaping phenotypes from conception to death. 2010 , 24, 984-996	381
1547	Overexpression of antioxidant enzymes in diaphragm muscle does not alter contraction-induced fatigue or recovery. 2010 , 95, 222-31	27
1546	Is oxidative stress a cause or consequence of disuse muscle atrophy in mice? A proteomic approach in hindlimb-unloaded mice. 2010 , 95, 331-50	64
1545	Reactive oxygen species are signalling molecules for skeletal muscle adaptation. 2010 , 95, 1-9	272
1544	N-Acetylcysteine infusion does not affect glucose disposal during prolonged moderate-intensity exercise in humans. 2010 , 588, 1623-34	33
1543	The exercised skeletal muscle: a review. 2010 , 20, 105	18
1542	Serum biochemical activities and muscular soreness in transported goats administered with ascorbic acid during the hot-dry season. 2010 , 20, 193	11
1541	Redox regulation in skeletal muscle during contractile activity and aging. 2010 , 88, 1307-13	23
1540	Local hindlimb antioxidant infusion does not affect muscle glucose uptake during in situ contractions in rat. 2010 , 108, 1275-83	18
1539	Increased iNOS, MMP-2, and HSP-72 in skeletal muscle following high-intensity exercise training. 2010 , 21, 127-46	12
1538	Antioxidant responses to an acute ultra-endurance exercise: impact on DNA stability and indications for an increased need for nutritive antioxidants in the early recovery phase. 2010 , 104, 1129-38	40
1537	A-Z of nutritional supplements: dietary supplements, sports nutrition foods and ergogenic aids for health and performancepart 12. 2010 , 44, 905-7	4

1536	Increased superoxide in vivo accelerates age-associated muscle atrophy through mitochondrial dysfunction and neuromuscular junction degeneration. 2010 , 24, 1376-90	206
1535	Mediation of endogenous antioxidant enzymes and apoptotic signaling by resveratrol following muscle disuse in the gastrocnemius muscles of young and old rats. 2010 , 299, R1572-81	81
1534	Prolonged moderate-intensity aerobic exercise does not alter apoptotic signaling and DNA fragmentation in human skeletal muscle. 2010 , 298, E534-47	20
1533	Serum vaspin concentrations are decreased after exercise-induced oxidative stress. 2010 , 3, 328-31	24
1532	Exercise-induced hormesis may help healthy aging. 2010 , 8, 73-9	25
1531	Inflammation, adiponectin, obesity and cardiovascular risk. 2010 , 17, 4511-20	110
1530	Sedentary aging increases resting and exercise-induced intramuscular free radical formation. 2010 , 109, 449-56	56
1529	Aronia plants: a review of traditional use, biological activities, and perspectives for modern medicine. 2010 , 13, 255-69	181
1528	Effect of Ambrotose AOI on resting and exercise-induced antioxidant capacity and oxidative stress in healthy adults. 2010 , 9, 49	11
1527	High-dose antioxidant vitamin C supplementation does not prevent acute exercise-induced increases in markers of skeletal muscle mitochondrial biogenesis in rats. 2010 , 108, 1719-26	36
1526	Identification of cysteine, methionine and tryptophan residues of actin oxidized in vivo during oxidative stress. 2010 , 9, 1598-609	48
1525	Atrial natriuretic peptide and oxidative stress. 2010 , 31, 1412-9	39
1524	Specific immuno-extraction followed by enzymatic detection (SIEFED) of myeloperoxidase and mitochondrial complex I in muscular microbiopsies: preliminary results in endurance horses. 2010 , 42, 296-302	6
1523	Fatty acid hydroxytyrosyl esters: structure/antioxidant activity relationship by ABTS and in cell-culture DCF assays. 2010 , 58, 5292-9	64
1522	Prion protein expression and functional importance in skeletal muscle. 2011 , 15, 2465-75	7
1521	Exercise-induced dehydration with and without environmental heat stress results in increased oxidative stress. 2011 , 36, 698-706	47
1520	Control of reactive oxygen species production in contracting skeletal muscle. 2011 , 15, 2477-86	96
1519	Antioxidant supplementation and endurance training: Win or loss?. 2011 , 11, 27-32	16

(2011-2011)

1518	Stanozolol treatment decreases the mitochondrial ROS generation and oxidative stress induced by acute exercise in rat skeletal muscle. 2011 , 110, 661-9	28
1517	Intense and exhaustive exercise induce oxidative stress in skeletal muscle. 2011 , 1, 63-66	27
1516	The dual role of p53: DNA protection and antioxidant. 2011 , 45, 643-52	40
1515	L-Arginine as a potential ergogenic aid in healthy subjects. 2011 , 41, 233-48	79
1514	Antioxidant supplementation during exercise training: beneficial or detrimental?. 2011 , 41, 1043-69	194
1513	Innate immune responses to a single session of sprint interval training. 2011 , 36, 395-404	16
1512	Molecular mechanisms of muscle plasticity with exercise. 2011 , 1, 1383-412	59
1511	Mitochondrial superoxide flashes: metabolic biomarkers of skeletal muscle activity and disease. 2011 , 25, 3068-78	78
1510	Measurement of exercise-induced oxidative stress in lymphocytes. 2011 , 39, 1299-304	12
1509	Skeletal muscle apoptotic response to physical activity: potential mechanisms for protection. 2011 , 36, 608-17	43
1508	Antioxidant and Vitamin D supplements for athletes: sense or nonsense?. 2011 , 29 Suppl 1, S47-55	34
1507	Reactive oxygen species: impact on skeletal muscle. 2011 , 1, 941-69	236
1506	Mechanisms of exercise-induced mitochondrial biogenesis in skeletal muscle: implications for health and disease. 2011 , 1, 1119-34	59
1505	Evaluation of exercise-induced muscle damage by surface electromyography. 2011 , 21, 356-62	11
1504	Cordyceps sinensis promotes exercise endurance capacity of rats by activating skeletal muscle metabolic regulators. 2011 , 136, 260-6	43
1503	Structural and thermodynamic effects of post-translational modifications in mutant and wild type Cu, Zn superoxide dismutase. 2011 , 408, 555-67	38
1502	Emerging roles of ROS/RNS in muscle function and fatigue. 2011 , 15, 2487-99	83
1501	Acute effects of hydrogen peroxide on skeletal muscle microvascular oxygenation from rest to contractions. 2011 , 110, 1290-8	12

1500	Ameliorative effects of ascorbic acid on rectal temperature, excitability score and liveweight of rabbits transported by road. 2011 , 10, 9978-9984	1
1499	Subgroup analysis of large trials can guide further research: a case study of vitamin E and pneumonia. 2011 , 3, 51-9	23
1498	Reactive oxygen species formation during tetanic contractions in single isolated Xenopus myofibers. 2011 , 111, 898-904	32
1497	Strategies for reducing or preventing the generation of oxidative stress. 2011 , 2011, 194586	123
1496	N-acetylcysteine supplementation controls total antioxidant capacity, creatine kinase, lactate, and tumor necrotic factor-alpha against oxidative stress induced by graded exercise in sedentary men. 2011 , 2011, 329643	29
1495	Selective diaphragm muscle weakness after contractile inactivity during thoracic surgery. 2011 , 254, 1044-9	42
1494	Effect of moderate-intensity exercise on oxidative stress indices in metabolically healthy obese and metabolically unhealthy obese phenotypes in postmenopausal women: a pilot study. 2011 , 18, 646-53	13
1493	N-Acetylcysteine protects the rat diaphragm from the decreased contractility associated with controlled mechanical ventilation. 2011 , 39, 777-82	64
1492	N-Acetylcysteine's attenuation of fatigue after repeated bouts of intermittent exercise: practical implications for tournament situations. 2011 , 21, 451-61	59
1491	Vitamin C consumption does not impair training-induced improvements in exercise performance. 2011 , 6, 58-69	37
1490	Endurance Exercise Reduces Oxidative Stress in Mice. 2011 , 23, 539-541	
1489	Don't forget the gutit is an important athletic organ!. 2011 , 110, 278; discussion 294	19
1488	Melatonin improves muscle function of the dystrophic mdx5Cv mouse, a model for Duchenne muscular dystrophy. 2011 , 51, 163-71	43
1487	Melatonin supplementation ameliorates oxidative stress and inflammatory signaling induced by strenuous exercise in adult human males. 2011 , 51, 373-80	61
1486	Can we predict top-level sports performance in power vs endurance events? A genetic approach. 2011 , 21, 570-9	31
1485	Acute effects of reactive oxygen and nitrogen species on the contractile function of skeletal muscle. 2011 , 589, 2119-27	113
1484	Modulation of contractile apparatus Ca2+ sensitivity and disruption of excitation-contraction coupling by S-nitrosoglutathione in rat muscle fibres. 2011 , 589, 2181-96	28
1483	Reactive oxygen and nitrogen species as intracellular signals in skeletal muscle. 2011 , 589, 2129-38	207

1482	Redox homeostasis, oxidative stress and disuse muscle atrophy. 2011 , 589, 2147-60	91
1481	Age-related changes in skeletal muscle reactive oxygen species generation and adaptive responses to reactive oxygen species. 2011 , 589, 2139-45	119
1480	Exercise-induced oxidative-nitrosative stress is associated with impaired dynamic cerebral autoregulation and blood-brain barrier leakage. 2011 , 96, 1196-207	65
1479	Influence of N-acetylcysteine administration on pulmonary Olliptake kinetics and exercise tolerance in humans. 2011 , 175, 121-9	21
1478	The pharmacokinetic profile of crocetin in healthy adult human volunteers after a single oral administration. 2011 , 18, 575-8	72
1477	Early rehabilitation in sepsis: a prospective randomised controlled trial investigating functional and physiological outcomes The i-PERFORM Trial (Protocol Article). 2011 , 11, 21	24
1476	Exercise-induced oxidative stress in humans: cause and consequences. 2011 , 51, 942-50	272
1475	Mitochondrial dynamic remodeling in strenuous exercise-induced muscle and mitochondrial dysfunction: regulatory effects of hydroxytyrosol. 2011 , 50, 1437-46	81
1474	Age-dependent changes in 8-oxoguanine-DNA glycosylase activity are modulated by adaptive responses to physical exercise in human skeletal muscle. 2011 , 51, 417-23	68
1473	Extending life span by increasing oxidative stress. 2011 , 51, 327-36	527
1472	Clinical trials of antioxidants as cancer prevention agents: past, present, and future. 2011 , 51, 1068-84	167
1471	Variation of a carotenoid-based trait in relation to oxidative stress and endocrine status during the breeding season in the Eurasian kestrel: a multi-factorial study. 2011 , 160, 16-26	48
1470	Obesity-associated insulin resistance in skeletal muscle: role of lipid accumulation and physical inactivity. 2011 , 12, 163-72	109
1469	Regular exercise prevents oxidative stress in the brain of hyperphenylalaninemic rats. 2011 , 26, 291-7	21
1468	Energy metabolism in hypoxia: reinterpreting some features of muscle physiology on molecular grounds. 2011 , 111, 421-32	19
1467	Erythrocyte membrane fluidity and indices of plasmatic oxidative damage after acute physical exercise in humans. 2011 , 111, 1127-33	31
1466	Muscle damage induced by electrical stimulation. 2011 , 111, 2427-37	66
1465	The effect of vitamin C on upper respiratory infections in adolescent swimmers: a randomized trial. 2011 , 170, 59-63	24

1464	Whey protein precludes lipid and protein oxidation and improves body weight gain in resistance-exercised rats. 2011 , 50, 331-9	26
1463	nNOS regulation of skeletal muscle fatigue and exercise performance. 2011 , 3, 209-217	29
1462	Acute reduction of serum 8-iso-PGF2-alpha and advanced oxidation protein products in vivo by a polyphenol-rich beverage; a pilot clinical study with phytochemical and in vitro antioxidant characterization. 2011 , 10, 67	20
1461	Nitrosative stress elicited by nNOSµ́ delocalization inhibits muscle force in dystrophin-null mice. 2011 , 223, 88-98	73
1460	Exercise training enhances the skeletal muscle response to radiation-induced oxidative stress. 2011 , 43, 58-64	28
1459	Quantitation of the glutathione in human peripheral blood by matrix-assisted laser desorption ionization time-of-flight mass spectrometry coupled with micro-scale derivatization. 2011 , 690, 209-14	16
1458	Muscle protein turnover in endurance training: a review. 2011 , 32, 905-11	16
1457	Ethyl pyruvate preserves IGF-I sensitivity toward mTOR substrates and protein synthesis in C2C12 myotubes. 2011 , 152, 151-63	10
1456	Chemotherapy-induced weakness and fatigue in skeletal muscle: the role of oxidative stress. 2011 , 15, 2543-63	193
1455	Studies on Experimental Models. 2011 ,	
1455 1454		26
,,,,		26 5
1454	Hypoxia-inducible factor-1 protein negatively regulates load-induced bone formation. 2011 , 286, 44449-56	
1454 1453	Hypoxia-inducible factor-1 protein negatively regulates load-induced bone formation. 2011, 286, 44449-56 Modulating effect of ascorbic Acid on transport-induced immunosuppression in goats. 2011, 2011, 749753 L-NAME treatment enhances exercise-induced content of myocardial heat shock protein 72 (Hsp72)	5
1454 1453 1452	Hypoxia-inducible factor-1protein negatively regulates load-induced bone formation. 2011, 286, 44449-56 Modulating effect of ascorbic Acid on transport-induced immunosuppression in goats. 2011, 2011, 749753 L-NAME treatment enhances exercise-induced content of myocardial heat shock protein 72 (Hsp72) in rats. 2011, 27, 479-86 Neuromuscular electrical stimulation training induces atypical adaptations of the human skeletal	5
1454 1453 1452 1451	Hypoxia-inducible factor-1 protein negatively regulates load-induced bone formation. 2011, 286, 44449-56 Modulating effect of ascorbic Acid on transport-induced immunosuppression in goats. 2011, 2011, 749753 L-NAME treatment enhances exercise-induced content of myocardial heat shock protein 72 (Hsp72) in rats. 2011, 27, 479-86 Neuromuscular electrical stimulation training induces atypical adaptations of the human skeletal muscle phenotype: a functional and proteomic analysis. 2011, 110, 433-50 Exercise protects against doxorubicin-induced oxidative stress and proteolysis in skeletal muscle.	5 4 99
1454 1453 1452 1451 1450	Hypoxia-inducible factor-1 protein negatively regulates load-induced bone formation. 2011, 286, 44449-56 Modulating effect of ascorbic Acid on transport-induced immunosuppression in goats. 2011, 2011, 749753 L-NAME treatment enhances exercise-induced content of myocardial heat shock protein 72 (Hsp72) in rats. 2011, 27, 479-86 Neuromuscular electrical stimulation training induces atypical adaptations of the human skeletal muscle phenotype: a functional and proteomic analysis. 2011, 110, 433-50 Exercise protects against doxorubicin-induced oxidative stress and proteolysis in skeletal muscle. 2011, 110, 935-42 No effect of antioxidant supplementation on muscle performance and blood redox status	5 4 99 82

1446	Montmorency cherry juice reduces muscle damage caused by intensive strength exercise. 2011 , 43, 1544-51	122
1445	Lycium barbarum polysaccharides reduce exercise-induced oxidative stress. 2011 , 12, 1081-8	54
1444	Placenta growth factor expression is regulated by hydrogen peroxide in vascular smooth muscle cells. 2011 , 300, C349-55	11
1443	MAPKs and NF- B differentially regulate cytokine expression in the diaphragm in response to resistive breathing: the role of oxidative stress. 2011 , 300, R1152-62	45
1442	Acute exercise increases plasma total antioxidant status and antioxidant enzyme activities in untrained men. 2011 , 2011, 540458	80
1441	Lack of myostatin alters intermyofibrillar mitochondria activity, unbalances redox status, and impairs tolerance to chronic repetitive contractions in muscle. 2012 , 302, E1000-8	41
1440	Muscle System Changes. 2012 , 129-150	1
1439	Exercise and the cardiovascular system. 2012 , 2012, 210852	39
1438	Exhaled breath condensate analysis after long distance races. 2012 , 33, 955-61	15
1437	Exercise protects cardiac mitochondria against ischemia-reperfusion injury. 2012 , 44, 397-405	63
1436	Polyphenol content and modulatory activities of some tropical dietary plant extracts on the oxidant activities of neutrophils and myeloperoxidase. 2012 , 13, 628-50	36
1435	Functional and biochemical characterization of soleus muscle in Down syndrome mice: insight into the muscle dysfunction seen in the human condition. 2012 , 303, R1251-60	16
1434	Effect of vitamin C supplements on physical performance. 2012 , 11, 180-4	31
1433	Do reactive oxygen species regulate skeletal muscle glucose uptake during contraction?. 2012 , 40, 102-5	20
1432	Endurance exercise attenuates ventilator-induced diaphragm dysfunction. 2012 , 112, 501-10	53
1431	The GABPB1 gene A/G polymorphism in Polish rowers. 2012 , 31, 115-20	8
1430	Assessment of reactive oxygen species production in cultured equine skeletal myoblasts in response to conditions of anoxia followed by reoxygenation with or without exposure to peroxidases. 2012 , 73, 426-34	8
1429	Hydration state of goats transported by road for 12 hours during the hot-dry conditions and the modulating role of ascorbic acid. 2012 , 15, 272-88	5

Meat Science and Muscle Biology Symposium: manipulating meat tenderness by increasing the turnover of intramuscular connective tissue. 2012 , 90, 950-9	31
Chronic exercise preserves renal structure and hemodynamics in spontaneously hypertensive ra 2012 , 16, 139-52	ts. 53
1426 Effects of physical exercise on inflammatory markers of atherosclerosis. 2012 , 18, 4326-49	62
1425 Redox Regulation of Nonmuscle Myosin Heavy Chain during Integrin Engagement. 2012 , 2012, 7	754964 9
Impact of ramadan intermittent fasting on oxidative stress measured by urinary 15-f(2t)-isoprostane. 2012 , 2012, 802924	26
1423 Reactive oxygen species in skeletal muscle signaling. 2012 , 2012, 982794	216
1422 Mitochondrial ROS and muscle glucose uptake during exercise in transgenic mice. 2012 , 113, 11	71-2
Hypocaloric diet and regular moderate aerobic exercise is an effective strategy to reduce anthropometric parameters and oxidative stress in obese patients. 2012 , 5, 12-22	13
1420 Effects of salidroside on exhaustive exercise-induced oxidative stress in rats. 2012 , 6, 1195-8	35
1419 Lactate Shuttling and the Mitochondrial Lactate Oxidation Complex. 2012 , 131-155	O
1418 Mitochondrial Abnormalities and Oxidative Stress in Alzheimerឱ Disease. 2012 , 391-414	
Mechanical ventilation reduces rat diaphragm blood flow and impairs oxygen delivery and uptak 2012 , 40, 2858-66	ke. 38
Nitric oxide regulates cytokine induction in the diaphragm in response to inspiratory resistive breathing. 2012 , 113, 1594-603	16
1415 Antioxidants for preventing and reducing muscle soreness after exercise. 2012 ,	1
1414 Mitochondria as sources and targets of damage in cellular aging. 2012 , 50, 1287-95	56
Synthesis and structure/antioxidant activity relationship of novel catecholic antioxidant structure analogues to hydroxytyrosol and its lipophilic esters. 2012 , 60, 7408-16	ral 61
1412 Fast molecular evolution associated with high active metabolic rates in poison frogs. 2012 , 29, 2	001-18 34
Effect of manipulation of incubation temperature on fatty acid profiles and antioxidant enzyme activities in meat-type chicken embryos. 2012 , 91, 3260-70	8

1410	Measurement of oxidatively generated base damage to nucleic acids in cells: facts and artifacts. 2012 , 4, 55-74	28
1409	Reactive oxygen species contribute to the promotion of the ATP-mediated proliferation of mouse skeletal myoblasts. 2012 , 53, 1392-8	23
1408	Exercise training and PI3K and uced electrical remodeling is independent of cellular hypertrophy and Akt signaling. 2012 , 53, 532-41	16
1407	Systems responses of rats to mequindox revealed by metabolic and transcriptomic profiling. 2012 , 11, 4712-21	19
1406	Physical activity, sedentary behavior, and leukocyte telomere length in women. 2012 , 175, 414-22	132
1405	Effects of acute and chronic exercise on sarcolemmal MCT1 and MCT4 contents in human skeletal muscles: current status. 2012 , 302, R1-14	64
1404	Modulation of the reactivity of the thiol of human serum albumin and its sulfenic derivative by fatty acids. 2012 , 521, 102-10	43
1403	Role of peroxisomes in ROS/RNS-metabolism: implications for human disease. 2012 , 1822, 1363-73	360
1402	Disruption of Nrf2/ARE signaling impairs antioxidant mechanisms and promotes cell degradation pathways in aged skeletal muscle. 2012 , 1822, 1038-50	95
1401	S-glutathionylation of troponin I (fast) increases contractile apparatus Ca2+ sensitivity in fast-twitch muscle fibres of rats and humans. 2012 , 590, 1443-63	78
1400	High molecular mass proteomics analyses of left ventricle from rats subjected to differential swimming training. 2012 , 12, 11	10
1399	Effect of New Zealand blueberry consumption on recovery from eccentric exercise-induced muscle damage. 2012 , 9, 19	87
1398	Oral Rg1 supplementation strengthens antioxidant defense system against exercise-induced oxidative stress in rat skeletal muscles. 2012 , 9, 23	24
1397	The skin function: a factor of anti-metabolic syndrome. 2012 , 4, 15	26
1396	Impact of different resistance training protocols on muscular oxidative stress parameters. 2012 , 37, 1239-46	45
1395	Site of mitochondrial reactive oxygen species production in skeletal muscle of chronic obstructive pulmonary disease and its relationship with exercise oxidative stress. 2012 , 47, 358-62	43
1394	Effect of passive stretch on intracellular nitric oxide and superoxide activities in single skeletal muscle fibres: influence of ageing. 2012 , 46, 30-40	21
1393	Biologically relevant oxidants and terminology, classification and nomenclature of oxidatively generated damage to nucleobases and 2-deoxyribose in nucleic acids. 2012 , 46, 367-81	97

1392	Protective effect of Danhong injection on cerebral ischemia-reperfusion injury in rats. 2012 , 144, 387-94	87
1391	Low-level laser (light) therapy (LLLT) on muscle tissue: performance, fatigue and repair benefited by the power of light. 2012 , 1, 267-286	127
1390	Hypoxia-mediated prior induction of monocyte-expressed HSP72 and HSP32 provides protection to the disturbances to redox balance associated with human sub-maximal aerobic exercise. 2012 , 43, 1933-44	18
1389	Coenzyme Q(10) supplementation ameliorates inflammatory signaling and oxidative stress associated with strenuous exercise. 2012 , 51, 791-9	51
1388	Redox biology of exercise: an integrative and comparative consideration of some overlooked issues. 2012 , 215, 1615-25	100
1387	Changes in lymphocyte HSP70 levels in women handball players throughout 1 year of training: the role of estrogen levels. 2012 , 68, 365-75	6
1386	ROS-mediated decline in maximum Ca2+-activated force in rat skeletal muscle fibers following in vitro and in vivo stimulation. 2012 , 7, e35226	23
1385	Allele copy number and underlying pathology are associated with subclinical severity in equine type 1 polysaccharide storage myopathy (PSSM1). 2012 , 7, e42317	22
1384	Bananas as an energy source during exercise: a metabolomics approach. 2012 , 7, e37479	39
1383	Antioxidants and Skeletal Muscle Performance: "Common Knowledge" vs. Experimental Evidence. 2012 , 3, 46	23
1382	Impact of oral ubiquinol on blood oxidative stress and exercise performance. 2012 , 2012, 465020	21
1381	Changes of myogenic reactive oxygen species and interleukin-6 in contracting skeletal muscle cells. 2012 , 2012, 145418	13
1380	Oxidants, antioxidants, and the beneficial roles of exercise-induced production of reactive species. 2012 , 2012, 756132	164
1379	Interaction between overtraining and the interindividual variability may (not) trigger muscle oxidative stress and cardiomyocyte apoptosis in rats. 2012 , 2012, 935483	14
1378	Assessment of a standardized ROS production profile in humans by electron paramagnetic resonance. 2012 , 2012, 973927	64
1377	Relationship between human aging muscle and oxidative system pathway. 2012 , 2012, 830257	77
1376	Proteomic investigation of changes in rat skeletal muscle after exercise-induced fatigue. 2012 , 45, 75-80	6
1375	Nitroso-redox balance in control of coronary vasomotor tone. 2012 , 112, 1644-52	21

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1374	Sphingomyelinase depresses force and calcium sensitivity of the contractile apparatus in mouse diaphragm muscle fibers. 2012 , 112, 1538-45	24
1373	Are Exercise and Mitochondrial Antioxidants Compatible in the Treatment of Invasive Breast Cancer?. 2012 , 01,	2
1372	Antioxidant and anti-fatigue activities of flavonoids from Puerariae radix. 2012, 9, 221-7	7
1371	The formation and functional consequences of heterogeneous mitochondrial distributions in skeletal muscle. 2012 , 215, 1871-83	14
1370	Oxidative stress and successful antioxidant treatment in models of RYR1-related myopathy. 2012 , 135, 1115-27	88
1369	Oxidative stress induced by aluminum oxide nanomaterials after acute oral treatment in Wistar rats. 2012 , 32, 436-45	95
1368	Commentaries on viewpoint: sacrificing economy to improve running performancea reality in the ultramarathon?. 2012 , 113, 510-2	5
1367	Mitochondrial signaling contributes to disuse muscle atrophy. 2012 , 303, E31-9	143
1366	Impact of silicon-based quantum dots on the antioxidative system in white muscle of Carassius auratus gibelio. 2012 , 38, 963-975	10
1365	Effects of the consumption of caffeinated and decaffeinated instant coffee beverages on oxidative stress induced by strenuous exercise in rats. 2012 , 67, 82-7	9
1364	Phlebodium decumanum is a natural supplement that ameliorates the oxidative stress and inflammatory signalling induced by strenuous exercise in adult humans. 2012 , 112, 3119-28	11
1363	Oxidative stress and enhanced sympathetic vasoconstriction in contracting muscles of nitrate-tolerant rats and humans. 2012 , 590, 395-407	33
1362	Redox balance in the aging microcirculation: new friends, new foes, and new clinical directions. 2012 , 19, 19-28	41
1361	Exercise and melatonin in humans: reciprocal benefits. 2012 , 52, 1-11	87
1360	Training alters the skeletal muscle antioxidative capacity in non-insulin-dependent type 2 diabetic men. 2012 , 22, 462-70	20
1359	The age-related slowing of voluntary shortening velocity exacerbates power loss during repeated fast knee extensions. 2012 , 47, 85-92	54
1358	Electrochemical study of hydrogen peroxide formation in isolated mitochondria. 2012, 85, 21-8	20
1357	Free radical scavenging activity of Castanopsis indica in mediating hepatoprotective activity of carbon tetrachloride intoxicated rats. 2012 , 2, S243-S251	18

1356	Behavioural compensation reduces energy expenditure during migration hyperphagia in a large bird. 2012 , 26, 876-883	18
1355	Coenzyme Q10 supplementation and exercise-induced oxidative stress in humans. 2012 , 28, 403-17	41
1354	Impact of intensive physical activity on selenium status. 2012 , 145, 291-9	15
1353	Dietary oxidative stress and antioxidant defense with an emphasis on plant extract administration. 2012 , 17, 11-21	84
1352	Alterations in muscular oxidative metabolism parameters in incremental treadmill exercise test in untrained rats. 2012 , 112, 387-96	9
1351	Low-level laser therapy (LLLT) in human progressive-intensity running: effects on exercise performance, skeletal muscle status, and oxidative stress. 2012 , 27, 231-6	157
1350	Cancer cachexia prevention via physical exercise: molecular mechanisms. 2013, 4, 111-24	122
1349	Monitoring of hydrogen peroxide and other reactive oxygen and nitrogen species generated by skeletal muscle. 2013 , 528, 279-300	1
1348	Oxidative stress and antioxidant status response of handball athletes: implications for sport training monitoring. 2013 , 17, 462-70	43
1347	MicroRNAs in skeletal muscle biology and exercise adaptation. 2013 , 64, 95-105	76
1346	The vitamin C transporter SVCT2 is down-regulated during postnatal development of slow skeletal muscles. 2013 , 139, 887-94	3
1345	No effect of acute L-arginine supplementation on Olbost or exercise tolerance. 2013 , 113, 1805-19	23
1344	Influence of dietary nitrate supplementation on human skeletal muscle metabolism and force production during maximum voluntary contractions. 2013 , 465, 517-28	71
1343	Vitamin C for preventing and treating pneumonia. 2013, CD005532	88
1342	Studies on Women's Health. 2013 ,	5
1341	The effect of predator exposure and reproduction on oxidative stress parameters in the Catarina scallop Argopecten ventricosus. 2013 , 165, 89-96	20
1340	Muskelaktivitt Prgung des ZNS und endokrine Funktion. 2013 , 51, 141-150	14
1339	Mechanisms modulating skeletal muscle phenotype. 2013 , 3, 1645-87	122

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1338	Variation in antioxidant activities of polysaccharides from Fructus Jujubae in South Xinjiang area. 2013 , 57, 278-84	12
1337	The anticancer agent doxorubicin disrupts mitochondrial energy metabolism and redox balance in skeletal muscle. 2013 , 65, 988-996	62
1336	The activation of HO-1/Nrf-2 contributes to the protective effects of diallyl disulfide (DADS) against ethanol-induced oxidative stress. 2013 , 1830, 4848-59	83
1335	N-nitrosodiethylamine induced redox imbalance in rat liver: Protective role of polyphenolic extract of Blighia sapida arilli. 2013 , 3, 25-29	4
1334	Role of oxidative stress in impaired insulin signaling associated with exercise-induced muscle damage. 2013 , 65, 1265-1272	35
1333	Nitrosative stress plays an important role in Wnt pathway activation in diabetic retinopathy. 2013 , 18, 1141-53	41
1332	Metabolic derangements in COPD muscle dysfunction. 2013 , 114, 1282-90	25
1331	Biochemistry of Exercise. 2013 , 36-58	
1330	Dietary Phytochemicals. 2013 , 277-290	
1329	Modulation of hepatic redox status and mitochondrial metabolism by exercise: therapeutic strategy for liver diseases. 2013 , 13, 862-70	24
1328	Exercise is the real polypill. 2013 , 28, 330-58	323
1327	Role of reactive oxygen species in the defective regeneration seen in aging muscle. 2013 , 65, 317-323	40
1326	Alcohol, Exercise, and Sport. 2013 , 336-344	
1325	Effects of Lactobacillus gasseri OLL2809 and <code>Hactalbumin</code> on university-student athletes: a randomized, double-blind, placebo-controlled clinical trial. 2013 , 38, 1228-35	28
1324	Nutrition, Physical Activity, and Health. 2013 , 453-465	
1323	Vitamin E supplementation and lifespan in model organisms. 2013 , 12, 365-75	54
1322	Cold-water immersion and other forms of cryotherapy: physiological changes potentially affecting recovery from high-intensity exercise. 2013 , 2, 26	89
1321	Green tea and vitamin E enhance exercise-induced benefits in body composition, glucose homeostasis, and antioxidant status in elderly men and women. 2013 , 32, 31-40	20

1320	Sports massage with ozonised oil or non-ozonised oil: Comparative effects on recovery parameters after maximal effort in cyclists. 2013 , 14, 240-5	6
1319	Blood Rheology, Blood Flow and Human Health. 2013 , 283-293	1
1318	Variability in oxidative stress biomarkers following a maximal exercise test. 2013 , 18, 446-54	24
1317	Skeletal muscle uncoupling-induced longevity in mice is linked to increased substrate metabolism and induction of the endogenous antioxidant defense system. 2013 , 304, E495-506	34
1316	Nutritional Recommendations for Athletes. 2013 , 279-293	1
1315	Redox proteomics: chemical principles, methodological approaches and biological/biomedical promises. 2013 , 113, 596-698	179
1314	Physical activity and alpha-lipoic acid modulate inflammatory response through changes in thiol redox status. 2013 , 69, 397-404	6
1313	Exercise and antioxidant supplements in the elderly. 2013 , 2, 94-100	19
1312	Effect of the pretreatment with acerola (Malpighia emarginata DC.) juice on ethanol-induced oxidative stress in mice [Hepatoprotective potential of acerola juice. 2013 ,	
1311	Physiological and behavioral responses of goats to 12-hour road transportation, lairage and grazing periods, and the modulatory role of ascorbic acid. 2013 , 8, 349-356	15
1310	Redox regulation of microRNAs in health and disease. 2013 , 64, 1-3	8
1309	High-fat feeding, but not strenuous exercise, increases blood oxidative stress in trained men. 2013 , 38, 33-41	16
1308	Transient receptor potentials (TRPs) and anaphylaxis. 2013 , 13, 93-100	12
1307	Hibernating squirrel muscle activates the endurance exercise pathway despite prolonged immobilization. 2013 , 247, 392-401	50
1306	Prostate cancer and physical activity: adaptive response to oxidative stress. 2013 , 60, 115-24	28
1305	Ganoderma tsugae hepatoprotection against exhaustive exercise-induced liver injury in rats. 2013 , 18, 1741-54	25
1304	Antioxidative peptides: enzymatic production, in vitro and in vivo antioxidant activity and potential applications of milk-derived antioxidative peptides. 2013 , 44, 797-820	244
1303	Sleep and the single neuron: the role of global slow oscillations in individual cell rest. 2013 , 14, 443-51	169

1302 Impact of Exercise, Reactive Oxygen and Reactive Nitrogen Species on Tumor Growth. **2013**, 7-20

Oxygen consumption and usage during physical exercise: the balance between oxidative stress at ROS-dependent adaptive signaling. 2013 , 18, 1208-46	nd 359
Short-term high-intensity interval exercise training attenuates oxidative stress responses and improves antioxidant status in healthy humans. 2013 , 61, 171-7	88
Activity-dependent, stress-responsive BDNF signaling and the quest for optimal brain health and resilience throughout the lifespan. 2013 , 239, 228-40	108
1298 Expression and modification proteomics during skeletal muscle ageing. 2013 , 14, 339-52	40
Potential role of oxidative stress on the prescription of rehabilitation interventions in spinal cord injury. 2013 , 51, 656-62	15
An example of life history antecedence in the European badger (Meles meles): rapid developmen of juvenile antioxidant capacity, from plasma vitamin E analogue. 2013 , 25, 330-350	t 7
Acute exercise remodels mitochondrial membrane interactions in mouse skeletal muscle. 2013 , 115, 1562-71	89
1294 Ventilator-induced diaphragm dysfunction: cause and effect. 2013 , 305, R464-77	102
1293 Immune Function, Nutrition, and Exercise. 2013 , 83-93	
Xanthine oxidase inhibition attenuates skeletal muscle signaling following acute exercise but doe not impair mitochondrial adaptations to endurance training. 2013 , 304, E853-62	es 43
The role of mTORC1 in regulating protein synthesis and skeletal muscle mass in response to various mechanical stimuli. 2014 , 166, 43-95	ous 86
Redox regulation of T-cell function: from molecular mechanisms to significance in human health and disease. 2013 , 18, 1497-534	130
Tempol prevents cardiac oxidative damage and left ventricular dysfunction in the PPAR-KO mouse. 2013 , 304, H1505-12	13
L-Arginine supplementation improves antioxidant defenses through L-arginine/nitric oxide pathways in exercised rats. 2013 , 115, 1146-55	32
Cordyceps sinensis increases hypoxia tolerance by inducing heme oxygenase-1 and metallothione via Nrf2 activation in human lung epithelial cells. 2013 , 2013, 569206	ein 23
Aging increases the oxidation of dichlorohydrofluorescein in single isolated skeletal muscle fiber at rest, but not during contractions. 2013 , 305, R351-8	s 36
1285 Functional muscle ischemia in Duchenne and Becker muscular dystrophy. 2013 , 4, 381	52

1284	Skeletal muscle function during exercise-fine-tuning of diverse subsystems by nitric oxide. 2013 , 14, 7109-39	51
1283	Melatonin administration in rats with acute swimming exercise prevents lipid peroxidation in muscle tissue. 2013 , 5, 196-199	3
1282	The effect of the use of coenzyme Q10 on lactic acid and total antioxidant capacity in professional skiers. 2013 , 5, 216-220	1
1281	Oxidative stress and COPD: the effect of oral antioxidants on skeletal muscle fatigue. 2013 , 45, 1235-43	28
1280	Physical activity as antioxidant and palliative beneficial option in human immunodeficiency virus infection. 2013 , 2, 231	1
1279	Pretreatment with brain natriuretic peptide reduces skeletal muscle mitochondrial dysfunction and oxidative stress after ischemia-reperfusion. 2013 , 114, 172-9	26
1278	A role for reactive oxygen species in the regulation of skeletal muscle hypertrophy. 2013 , 208, 9-10	6
1277	Transient impairments in single muscle fibre contractile function after prolonged cycling in elite endurance athletes. 2013 , 208, 265-73	10
1276	The Issues of Antioxidant Therapy. 2013 , 80-108	1
1275	Cytoplasmic reactive oxygen species and SOD1 regulate bone mass during mechanical unloading. 2013 , 28, 2368-80	43
1274	Sestrins: novel antioxidant and AMPK-modulating functions regulated by exercise?. 2013 , 228, 1647-50	23
1273	Interactions between reactive oxygen species generated by contractile activity and aging in skeletal muscle?. 2013 , 19, 804-12	18
1272	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. 2013 , 18, 603-21	169
1271	Acute and chronic watercress supplementation attenuates exercise-induced peripheral mononuclear cell DNA damage and lipid peroxidation. 2013 , 109, 293-301	24
127 0	Sulphur antioxidants inhibit oxidative stress induced retinal ganglion cell death by scavenging reactive oxygen species but influence nuclear factor (erythroid-derived 2)-like 2 signalling pathway differently. 2013 , 36, 1095-110	17
1269	Effects of a flavonoid-rich juice on inflammation, oxidative stress, and immunity in elite swimmers: a metabolomics-based approach. 2013 , 23, 150-60	31
1268	Vitamin C may alleviate exercise-induced bronchoconstriction: a meta-analysis. 2013 , 3,	31
1267	ROS and RNS signaling in skeletal muscle: critical signals and therapeutic targets. 2013 , 31, 367-87	6

1266 Low-Level Laser Therapy for Stroke and Brain Disease. 2013 , 655-668	2
In Vitro Antioxidant Activity and In Vivo Anti-fatigue Effects of Oyster (Ostrea plicatula Gmelin) Peptides Prepared Using Neutral Proteinase. 2013 , 19, 623-631	6
1264 Contribution of Inflammation, Adiponectin, and Obesity in Cardiovascular Diseases. 2013 , 423-437	
1263 Exercise training prevents skeletal muscle damage in an experimental sepsis model. 2013 , 68, 107-1	4 12
Respostas bioquíhicas e filicas ao treinamento realizado dentro e fora da gua em atletas de futsal. 2013 , 19, 432-440	1
1261 Aging, Oxidative Stress and Antioxidants. 2013 ,	9
Suplementaµes nutricionais e estresse oxidativo: implicaµes na atividade fBica e no esporte. 2013, 35, 1071-1092	0
Influence of a polyphenol-enriched protein powder on exercise-induced inflammation and oxidative stress in athletes: a randomized trial using a metabolomics approach. 2013 , 8, e72215	67
Elevated mitochondrial oxidative stress impairs metabolic adaptations to exercise in skeletal muscle. 2013 , 8, e81879	18
Circulating nitrite and nitrate are associated with job-related fatigue in women, but not in men. 2013 , 10, 2813-24	5
Associations of job stress indicators with oxidative biomarkers in Japanese men and women. 2013 , 10, 6662-71	20
1255 The Positive and Negative Aspects of Reactive Oxygen Species in Sports Performance. 2013 ,	2
1254 Conclusions. 2013 ,	
1253 Noni Fruit Juice May Increase Oxygen Uptake in Athletes During Exercise. 2013 , 5, 177-184	2
The effect of neoadjuvant chemoradiotherapy on whole-body physical fitness and skeletal muscle mitochondrial oxidative phosphorylation in vivo in locally advanced rectal cancer patientsan observational pilot study. 2014 , 9, e111526	25
Changes in oxidative stress markers and biological markers of muscle injury with aging at rest and in response to an exhaustive exercise. 2014 , 9, e90420	56
Disturbances in pro-oxidant-antioxidant balance after passive body overheating and after exercise in elevated ambient temperatures in athletes and untrained men. 2014 , 9, e85320	17
Skeletal muscle contractions induce acute changes in cytosolic superoxide, but slower responses in mitochondrial superoxide and cellular hydrogen peroxide. 2014 , 9, e96378	68

1248	Anti-inflammatory effect of recreational exercise in TNBS-induced colitis in rats: role of NOS/HO/MPO system. 2014 , 2014, 925981	29
1247	Day to Day Variability and Reliability of Blood Oxidative Stress Markers within a Four-Week Period in Healthy Young Men. 2014 , 2014, 248313	4
1246	Effect of Piroxicam and/or Ascorbic Acid on Postoperative Pain in Orchidectomised Goats. 2014 , 2014, 1-8	1
1245	Marine bioactives and potential application in sports. 2014 , 12, 2357-82	25
1244	Montmorency cherries reduce the oxidative stress and inflammatory responses to repeated days high-intensity stochastic cycling. 2014 , 6, 829-43	103
1243	Impact of polyphenol antioxidants on cycling performance and cardiovascular function. 2014 , 6, 1273-92	19
1242	Oxidative stress status in elite athletes engaged in different sport disciplines. 2014 , 14, 56-62	19
1241	Oxidative Stress and Therapeutic Development in Lung Diseases. 2014 , 4,	40
1240	Evaluation of oxidant stress and antioxidant defense in discrete brain regions of rats exposed to 900 MHz radiation. 2014 , 115, 260-266	3
1239	Exercise-induced oxidative stress: A tool for flormesistand adaptive response 2014, 3, 115-120	10
1238	The JAK-STAT pathway is critical in ventilator-induced diaphragm dysfunction. 2015 , 20, 579-89	28
1237	Urinary Hydrogen Peroxide as Biomarker. 2014 , 1-15	
1236	Redefining the major contributors to superoxide production in contracting skeletal muscle. The role of NAD(P)H oxidases. 2014 , 48, 12-29	104
1235	Bu-zhong-yi-qi pill alleviate the chemotherapy-related fatigue in 4 T1 murine breast cancer model. 2014 , 14, 497	12
1234	S-glutathionylation of ion channels: insights into the regulation of channel functions, thiol modification crosstalk, and mechanosensing. 2014 , 20, 937-51	23
1233	Preliminary observations on high energy phosphates and metabolic pathway and transporter potentials in extensor carpi radialis brevis and trapezius muscles of women with work-related myalgia. 2014 , 92, 953-60	3
1232	Polysaccharides from Portulaca oleracea L Improve Exercise Endurance and Decrease Oxidative Stress in Forced Swimming Mice. 2014 , 13, 229	3
1231	PPAR- Dimpairment alters peroxisome functionality in primary astrocyte cell cultures. 2014 , 2014, 546453	12

1230	The relationship between oxidative stress and exercise. 2014 , 25, 1-11	29
1229	Altered cross-bridge properties in skeletal muscle dystrophies. 2014 , 5, 393	5
1228	Oxidative stress and inflammation response following aerobic exercise: role of ethnicity. 2014 , 35, 822-7	8
1227	Vitamin C and Physical Performance in the Elderly. 2014 , 119-127	
1226	Acute hypoxia and exercise-induced blood oxidative stress. 2014 , 24, 684-93	20
1225	Fish oil supplementation reduces markers of oxidative stress but not muscle soreness after eccentric exercise. 2014 , 24, 206-14	59
1224	Metabolomics approach to assessing plasma 13- and 9-hydroxy-octadecadienoic acid and linoleic acid metabolite responses to 75-km cycling. 2014 , 307, R68-74	56
1223	The "Goldilocks Zone" from a redox perspective-Adaptive vs. deleterious responses to oxidative stress in striated muscle. 2014 , 5, 358	54
1222	Mechanisms of Myofascial Pain. 2014 , 2014,	51
1221	Stress hormone and reproductive system in response to honey supplementation combined with different jumping exercise intensities in female rats. 2014 , 2014, 123640	14
1220	Salutary effects of melatonin combined with treadmill exercise on cartilage damage. 2014, 57, 53-66	26
1219	Reactive Oxygen Species and Skeletal Muscle Adaptation. 2014 , 3081-3096	
1218	Systemic oxidative-nitrosative-inflammatory stress during acute exercise in hypoxia; implications for microvascular oxygenation and aerobic capacity. 2014 , 99, 1648-62	13
1217	Skeletal muscle reactive oxygen species: a target of good cop/bad cop for exercise and disease. 2014 , 19, 97-106	37
1216	The impact of match-play tennis in a hot environment on indirect markers of oxidative stress and antioxidant status. 2014 , 48 Suppl 1, i59-63	6
1215	Bovine embryo survival under oxidative-stress conditions is associated with activity of the NRF2-mediated oxidative-stress-response pathway. 2014 , 81, 497-513	54
1214	The role of cherries in exercise and health. 2014 , 24, 477-90	58
1213	Determination of different forms of aminothiols in red blood cells without washing erythrocytes. 2014 , 28, 327-31	8

Polysaccharides from Cordyceps sinensis mycelium ameliorate exhaustive swimming exercise-induced oxidative stress. 2014 , 52, 157-61	17
1211 Intermittent stretch reduces force and central drive more than continuous stretch. 2014 , 46, 902-10	38
1210 Reactive oxygen species and redox compartmentalization. 2014 , 5, 285	107
1209 Potential role of oxidative protein modification in energy metabolism in exercise. 2014 , 77, 175-87	12
1208 The Influence of Vitamin C on the Oxidative Stress in Untrained Smoking Subjects. 2014 , 555, 713-72	22
Mitohormesis: Promoting Health and Lifespan by Increased Levels of Reactive Oxygen Species (ROS). 2014 , 12, 288-341	281
Saponins from Panax japonicas Reduces Myocardial Infarction Induced Reactive Oxygen Species Production and Cardiomyocyte Apoptosis via Activation of the Nrf-2 Pathway. 2014 , 881-883, 339-3	46 ²
1205 Lipid Hydroperoxide-Derived Modification of Biomolecules. 2014 ,	4
1204 Mitochondrial Function in Lung Health and Disease. 2014 ,	2
1203 Effect of Exercise on Oxidative Stress in Neurological Disorders. 2014 , 287-327	
1203 Effect of Exercise on Oxidative Stress in Neurological Disorders. 2014 , 287-327	1
1202 Effect of Exercise on Neurodegeneration in Neurological Disorders. 2014 , 287-327	1
	2
1202 Effect of Exercise on Neurodegeneration in Neurological Disorders. 2014 , 143-173	
Effect of Exercise on Neurodegeneration in Neurological Disorders. 2014, 143-173 Neurochemical Aspects of Oxidative and Nitrosative Stress. 2014, 175-206 Effects of ginsenosides-Rb1 on exercise-induced oxidative stress in forced swimming mice. 2014,	2
Effect of Exercise on Neurodegeneration in Neurological Disorders. 2014 , 143-173 Neurochemical Aspects of Oxidative and Nitrosative Stress. 2014 , 175-206 Effects of ginsenosides-Rb1 on exercise-induced oxidative stress in forced swimming mice. 2014 , 10, 458-63	2 22 833
Effect of Exercise on Neurodegeneration in Neurological Disorders. 2014, 143-173 Neurochemical Aspects of Oxidative and Nitrosative Stress. 2014, 175-206 Effects of ginsenosides-Rb1 on exercise-induced oxidative stress in forced swimming mice. 2014, 10, 458-63 Oxidative stress, prooxidants, and antioxidants: the interplay. 2014, 2014, 761264	2 22 833
Effect of Exercise on Neurodegeneration in Neurological Disorders. 2014, 143-173 Neurochemical Aspects of Oxidative and Nitrosative Stress. 2014, 175-206 Effects of ginsenosides-Rb1 on exercise-induced oxidative stress in forced swimming mice. 2014, 10, 458-63 Oxidative stress, prooxidants, and antioxidants: the interplay. 2014, 2014, 761264 Moderate exercise blunts oxidative stress induced by normobaric hypoxic confinement. 2014, 46, 33 Mitochondria-targeted antioxidants for treatment of Parkinson's disease: preclinical and clinical	2 22 833 3-41 34

(2014-2014)

119	Effects of N-acetylcysteine on isolated mouse skeletal muscle: contractile properties, temperature dependence, and metabolism. 2014 , 466, 577-85	16
119	Mechanical stretch-induced activation of ROS/RNS signaling in striated muscle. 2014 , 20, 929-36	57
119	Role of exercise-induced reactive oxygen species in the modulation of heat shock protein response. 2014 , 48, 52-70	45
119	Free radicals and sprint exercise in humans. 2014 , 48, 30-42	47
119	90 Peroxisomal metabolism and oxidative stress. 2014 , 98, 56-62	119
118	Exercise-induced oxidative stress and hypoxic exercise recovery. 2014 , 114, 725-33	29
118	88 Asma, estr¶ oxidativo y ejercicio f⊞ico: revisi□n de la literatura. 2014 , 36, 40-48	1
118	Type 2 diabetes as a redox disease. 2014 , 383, 841-3	139
118	Oxidative Stress and Hormesis in Evolutionary Ecology and Physiology. 2014 ,	164
118	Myocardial mitochondrial oxidative stress and dysfunction in intense exercise: regulatory effects of quercetin. 2014 , 114, 695-705	31
118	Protein carbonylation and muscle function in COPD and other conditions. 2014 , 33, 219-36	26
118	Antioxidant effects of whey protein on muscle C2C12 cells. 2014 , 155, 271-8	56
118	Antioxidant and anti-inflammatory effects of exercise: role of redox signaling. 2014 , 48, 3-11	25
118	Impact of long term Fe \mathbb{I} + toxicity on expression of glutathione system in rat liver. 2014 , 37, 365-70	20
118	Mechanisms of exercise-induced cardioprotection. 2014 , 29, 27-38	63
117	Exercise-induced improvements in myocardial antioxidant capacity: the antioxidant players and cardioprotection. 2014 , 48, 43-51	55
117	Effects of vitamin C and E supplementation on endogenous antioxidant systems and heat shock proteins in response to endurance training. 2014 , 2, e12142	16
117	Redox proteins are constitutively secreted by skeletal muscle. 2014 , 64, 401-9	19

1176	Differential cysteine labeling and global label-free proteomics reveals an altered metabolic state in skeletal muscle aging. 2014 , 13, 5008-21	73
1175	Increased oxidative stress status in rat serum after five minutes treadmill exercise. 2014 , 9, 722-728	2
1174	Polyphenol-rich apple (Malus domestica L.) peel extract attenuates arsenic trioxide induced cardiotoxicity in H9c2 cells via its antioxidant activity. 2014 , 5, 502-11	38
1173	The protective effects of a polyphenol-enriched protein powder on exercise-induced susceptibility to virus infection. 2014 , 28, 1829-36	22
1172	Targeting interleukin-1Ireduces intense acute swimming-induced muscle mechanical hyperalgesia in mice. 2014 , 66, 1009-20	19
1171	Natural antioxidants against lipid-protein oxidative deterioration in meat and meat products: A review. 2014 , 64, 171-181	419
1170	Application of redox proteomics to skeletal muscle aging and exercise. 2014 , 42, 965-70	24
1169	The combination of oral quercetin supplementation and exercise prevents brain mitochondrial biogenesis. 2014 , 9, 420	9
1168	Exercise training combined with antioxidant supplementation prevents the antiproliferative activity of their single treatment in prostate cancer through inhibition of redox adaptation. 2014 , 77, 95-105	24
1167	Mitochondrial function and mitochondrial DNA maintenance with advancing age. 2014 , 15, 417-38	53
1166	The High Price of Success: Costs of Mating Effort in Male Primates. 2014 , 35, 609-627	21
1165	Neuropsychological and physiological correlates of fatigue following traumatic brain injury. 2014 , 28, 389-97	25
1164	Influence of exercise intensity on respiratory muscle fatigue and brachial artery blood flow during cycling exercise. 2014 , 114, 1767-77	19
1163	Mitochondrial oxidative stress in aging and healthspan. 2014 , 3, 6	297
1162	Dietary strategies to recover from exercise-induced muscle damage. 2014 , 65, 151-63	56
1161	Polyphenol supplementation: benefits for exercise performance or oxidative stress?. 2014 , 44 Suppl 1, S57-70	94
1160	Effects of creatine supplementation associated with resistance training on oxidative stress in different tissues of rats. 2014 , 11, 11	16
1159	The effect of almond consumption on elements of endurance exercise performance in trained athletes. 2014 , 11, 18	9

1158	Hydrolyzed protein supplementation improves protein content and peroxidation of skeletal muscle by adjusting the plasma amino acid spectrums in rats after exhaustive swimming exercise: a pilot study. 2014 , 11, 5	2
1157	Free Radicals and Human Aging Muscle. 2014 , 2927-2949	1
1156	Introduction to Free Radicals and the BodyE Antioxidant Defense. 2014, 1-18	
1155	The effects of neoadjuvant chemoradiotherapy on physical fitness and morbidity in rectal cancer surgery patients. 2014 , 40, 1421-8	72
1154	Role of TNF-#TNFR1 in intense acute swimming-induced delayed onset muscle soreness in mice. 2014 , 128, 277-87	22
1153	Breaking the chain at the membrane: paraoxonase 2 counteracts lipid peroxidation at the plasma membrane. 2014 , 28, 1769-79	43
1152	Roles of sedentary aging and lifelong physical activity in exchange of glutathione across exercising human skeletal muscle. 2014 , 73, 166-73	37
1151	Massage therapy restores peripheral vascular function after exertion. 2014 , 95, 1127-34	23
1150	Effects of dietary antioxidants on training and performance in female runners. 2014, 14, 160-8	55
1149	The influence of obesity and ambient temperature on physiological and oxidative responses to submaximal exercise. 2014 , 31, 139-44	3
1148	Exercise training attenuates hypertension and cardiac hypertrophy by modulating neurotransmitters and cytokines in hypothalamic paraventricular nucleus. 2014 , 9, e85481	34
1147	Inammatory Pathways. 2014 , 262-299	1
1146	Lycopene intake facilitates the increase of bone mineral density in growing female rats. 2014 , 60, 101-7	11
1145	Ultra-endurance exercise: unanswered questions in redox biology and immunology. 2014 , 42, 989-95	13
1144	Nutritional Antioxidants. 2014 , 17-37	1
1143	Antioxidants in Sport Nutrition. 2014 , 67-77	1
1142	Influence of Mixed Fruit and Vegetable Concentrates on Redox Homeostasis and Immune System of Exercising People. 2014 , 183-202	2
1141	Changes in urinary 8-hydroxydeoxyguanosine levels during heptathlon race in professional female athletes. 2014 , 41, 107-11	3

1140	Green Tea Catechins and Sport Performance. 2014 , 123-140	1
1139	Acute and Chronic Effects of Antioxidant Supplementation on Exercise Performance. 2014 , 141-154	4
1138	Muscle fatigue resistance in the rat hindlimb in vivo from low dietary intakes of tuna fish oil that selectively increase phospholipid n-3 docosahexaenoic acid according to muscle fibre type. 2015 , 114, 873-84	20
1137	Acute Exercise and Oxidative Stress: CrossFit(Dvs. Treadmill Bout. 2015, 47, 81-90	44
1136	Dietary Hactalbumin supplementation alleviates normocaloric western diet-induced glucose intolerance in GEtingen minipigs. 2015 , 23, 415-21	4
1135	Oxidative stressa key emerging impact factor in health, ageing, lifestyle and aesthetics. 2015 , 37 Suppl 2, 1-8	58
1134	Retirees, rest, respiration and ROS: does age or inactivity drive mitochondrial dysfunction?. 2015 , 593, 5037-8	
1133	Effect of Regular Exercise on Inflammation Induced by Drug-resistant Staphylococcus aureus 3089 in ICR mice. 2015 , 5, 16364	4
1132	Chronic aerobic swimming exercise promotes functional and morphological changes in rat ileum. 2015 , 35,	9
1131	Intravenous infusion of H2-saline suppresses oxidative stress and elevates antioxidant potential in Thoroughbred horses after racing exercise. 2015 , 5, 15514	16
1130	Alleviating exercise-induced muscular stress using neat and processed bee pollen: oxidative markers, mitochondrial enzymes, and myostatin expression in rats. 2015 , 4, 147-160	37
1129	Ethanolic extract from Rubus coreanus enhanced swimming capacity in mice. 2015 , 24, 2213-2217	2
1128	A single bout of whole-leg, peristaltic pulse external pneumatic compression upregulates PGC-1H mRNA and endothelial nitric oxide sythase protein in human skeletal muscle tissue. 2015 , 100, 852-64	19
1127	Energy expenditure and activity among Hadza hunter-gatherers. 2015 , 27, 628-37	59
1126	Hematological and Biochemical Parameters in Elite Soccer Players During A Competitive Half Season. 2015 , 34, 460-466	20
1125	Human skeletal muscle fibre contractile properties and proteomic profile: adaptations to 3 weeks of unilateral lower limb suspension and active recovery. 2015 , 593, 5361-85	23
1124	Aerobic Training Activates Interleukin 10 for Colon Anticarcinogenic Effects. 2015 , 47, 1806-13	10
1123	Biological and physiological role of reactive oxygen speciesthe good, the bad and the ugly. 2015 , 214, 329-48	231

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1122	A novel method for determining human ex vivo submaximal skeletal muscle mitochondrial function. 2015 , 593, 3991-4010	11
1121	Exercise, antioxidants, and the risk for pneumonia. 2015 , 47, 668	O
1120	What Else Is in Your Supplement? A Review of the Effectiveness of the Supportive Ingredients in Multi-ingredient Performance Supplements to Improve Strength, Power, and Recovery. 2015 , 37, 54-69	1
1119	The Association between Physical Exercise and Reactive Oxygen Species (ROS) Production. 2015 , 05,	7
1118	Effect of Astaxanthin Supplementation on Salivary IgA, Oxidative Stress, and Inflammation in Young Soccer Players. 2015 , 2015, 783761	34
1117	Antioxidants of Edible Mushrooms. 2015 , 20, 19489-525	166
1116	The potential benefits of red beetroot supplementation in health and disease. 2015 , 7, 2801-22	219
1115	Sestrin2, a Regulator of Thermogenesis and Mitohormesis in Brown Adipose Tissue. 2015 , 6, 114	14
1114	Rhodiola rosea Exerts Antiviral Activity in Athletes Following a Competitive Marathon Race. 2015 , 2, 24	18
1113	Redox Roles of Reactive Oxygen Species in Cardiovascular Diseases. 2015 , 16, 27770-80	151
1112	Prooxidant/Antioxidant Balance in Hypoxia: A Cross-Over Study on Normobaric vs. Hypobaric "Live High-Train Low". 2015 , 10, e0137957	25
1111	Effects of Mountain Ultra-Marathon Running on ROS Production and Oxidative Damage by Micro-Invasive Analytic Techniques. 2015 , 10, e0141780	69
1110	Changes in Non-Enzymatic Antioxidants in the Blood Following Anaerobic Exercise in Men and Women. 2015 , 10, e0143499	18
1109	Cytoprotective Role of Nrf2 in Electrical Pulse Stimulated C2C12 Myotube. 2015 , 10, e0144835	30
1108	Can endurance exercise preconditioning prevention disuse muscle atrophy?. 2015 , 6, 63	25
1107	The basic chemistry of exercise-induced DNA oxidation: oxidative damage, redox signaling, and their interplay. 2015 , 6, 182	25
1106	The Measurement of Reversible Redox Dependent Post-translational Modifications and Their Regulation of Mitochondrial and Skeletal Muscle Function. 2015 , 6, 347	38
1105	General aspects of muscle glucose uptake. 2015 , 87, 351-68	39

Body Composition, Lipid Profile, Adipokine Concentration, and Antioxidant Capacity Changes during Interventions to Treat Overweight with Exercise Programme and Whole-Body Cryostimulation. 2015 , 2015, 803197	26
Training effects on ROS production determined by electron paramagnetic resonance in master swimmers. 2015 , 2015, 804794	7 20
1102 Improvement of endurance of DMD animal model using natural polyphenols. 2015 , 2015, 6806	7
Effects of concurrent training on oxidative stress and insulin resistance in obese individuals. 20 2015, 697181)15, 13
Dietary supplementation with the microalga Galdieria sulphuraria (Rhodophyta) reduces prolo exercise-induced oxidative stress in rat tissues. 2015 , 2015, 732090	nged 21
Influence of vitamin C supplementation on oxidative stress and neutrophil inflammatory responses in acute and regular exercise. 2015 , 2015, 295497	onse 19
1098 Oxidative Stress and Antioxidant Defenses Induced by Physical Exercise. 2015 ,	4
Relationship between RPE and Blood Lactate after Fatiguing Handgrip Exercise in Taekwondo Sedentary Subjects. 2015 , s3,	and 8
1096 Improving the activity of Lycium barbarum polysaccharide on sub-health mice. 2015 , 6, 2033-40	0 19
1095 Mechanisms and efficacy of heat and cold therapies for musculoskeletal injury. 2015 , 127, 57-6	5 5 90
1094 Exercise-induced oxidative stress and dietary antioxidants. 2015 , 6, e24898	75
1093 Impact of oxidative stress on exercising skeletal muscle. 2015 , 5, 356-77	214
1092 Nutrition, Exercise and Epigenetics: Ageing Interventions. 2015 ,	
1091 Hepatotoxicity of green tea: an update. 2015 , 89, 1175-91	108
Effects of exercise on the nephron of Goto-Kakizaki rats: morphological, and advanced glycatic end-products and inducible nitric oxide synthase immunohistochemical analyses. 2015 , 29, 472	
In the idiopathic inflammatory myopathies (IIM), do reactive oxygen species (ROS) contribute to muscle weakness?. 2015 , 74, 1340-6	22
Oxidative stress status and placental implications in diabetic rats undergoing swimming exerci after embryonic implantation. 2015 , 22, 602-8	se ₂₁
$_{ m 1087}$ Redox regulation of muscle adaptations to contractile activity and aging. 2015 , 119, 163-71	36

(2015-2015)

1086	A Systematic Review of the Acute Effects of Exercise on Immune and Inflammatory Indices in Untrained Adults. 2015 , 1, 35	55	
1085	Redox signaling in skeletal muscle: role of aging and exercise. 2015 , 39, 352-9	46	
1084	Nitrosative modifications of the Ca2+ release complex and actin underlie arthritis-induced muscle weakness. 2015 , 74, 1907-14	34	
1083	Evaluation of the effect of piroxicam and ascorbic acid combination on live weight and rectal temperature of savannah brown goats during post-operative pain management. 2015 , 43, 439-444	1	
1082	An electrochemical biosensor based on gold microspheres and nanoporous gold for real-time detection of superoxide anion in skeletal muscle tissue. 2015 , 2015, 7962-5	1	
1081	Bone and skeletal muscle: Key players in mechanotransduction and potential overlapping mechanisms. 2015 , 80, 24-36	78	
1080	The transcriptional coregulator PGC-1Icontrols mitochondrial function and anti-oxidant defence in skeletal muscles. 2015 , 6, 10210	48	
1079	Exercise improves mitochondrial and redox-regulated stress responses in the elderly: better late than never!. 2015 , 16, 249-64	46	
1078	The contributions of oxidative stress, oxidised lipoproteins and AMPK towards exercise-associated PPAR signalling within human monocytic cells. 2015 , 49, 45-56	12	
1077	Overview on major lipid peroxidation bioactive factor 4-hydroxynonenal as pluripotent growth-regulating factor. 2015 , 49, 850-60	54	
1076	Increased atrial arrhythmia susceptibility induced by intense endurance exercise in mice requires TNF\(\text{1}\)2015, 6, 6018	92	
1075	Role of intrinsic aerobic capacity and ventilator-induced diaphragm dysfunction. 2015 , 118, 849-57	10	
1074	Peripheral oxidative stress blood markers in patients with chronic back or neck pain treated with high-velocity, low-amplitude manipulation. 2015 , 38, 119-29	12	
1073	Molecular strategies for targeting antioxidants to mitochondria: therapeutic implications. 2015 , 22, 686-729	147	
1072	Exercise improves endothelial function: a local analysis of production of nitric oxide and reactive oxygen species. 2015 , 45, 7-14	30	
1071	Manganese superoxide dismutase and oxidative stress modulation. 2015 , 68, 87-130	153	
1070	Effects of chronic resveratrol supplementation in military firefighters undergo a physical fitness testa placebo-controlled, double blind study. 2015 , 227, 89-95	28	
1069	Kouksundo, a traditional Korean mind-body practice, regulates oxidative stress profiles and stress hormones. 2015 , 141, 9-16	5	

1068	Antioxidant and anti-inflammatory effects of Ruta chalepensis L. extracts on LPS-stimulated RAW 264.7 cells. 2015 , 51, 128-41	20
1067	A tutorial on oxidative stress and redox signaling with application to exercise and sedentariness. 2015 , 1, 3	11
1066	Anti-fatigue activities of polysaccharides extracted from. 2015 , 9, 483-487	42
1065	DJ-1 links muscle ROS production with metabolic reprogramming and systemic energy homeostasis in mice. 2015 , 6, 7415	60
1064	Anti-fatigue effect of Myelophil in a chronic forced exercise mouse model. 2015 , 764, 100-108	25
1063	Combined aerobic exercise and enzyme replacement therapy rejuvenates the mitochondrial-lysosomal axis and alleviates autophagic blockage in Pompe disease. 2015 , 87, 98-112	19
1062	Effect of exercise training on oxidative stress and mitochondrial function in rat heart and gastrocnemius muscle. 2015 , 20, 60-8	11
1061	Recovery facilitation with Montmorency cherries following high-intensity, metabolically challenging exercise. 2015 , 40, 414-23	71
1060	Molecular hydrogen in sports medicine: new therapeutic perspectives. 2015 , 36, 273-9	24
1059	Coronary and muscle blood flow during physical exercise in humans; heterogenic alliance. 2015 , 67, 719-27	9
1058	Effects of different exercise durations on Keap1-Nrf2-ARE pathway activation in mouse skeletal muscle. 2015 , 49, 1269-74	47
1057	Radical Oxygen Species, Exercise and Aging: An Update. 2015 , 45, 1245-1261	57
1056	Does combined antioxidant vitamin supplementation blunt repeated bout effect?. 2015 , 36, 407-13	16
1055	Antioxidant peptides from Mozzarella di Bufala Campana DOPlafter simulated gastrointestinal digestion: In vitro intestinal protection, bioavailability, and anti-haemolytic capacity. 2015 , 15, 365-375	30
1054	Evidence for a profound remodeling of skeletal muscle and its microvasculature in sickle cell anemia. 2015 , 185, 1448-56	32
1053	Female oxidative status, egg antioxidant protection and eggshell pigmentation: a supplemental feeding experiment in great tits. 2015 , 69, 777-785	26
1052	Redox modulation of mitochondriogenesis in exercise. Does antioxidant supplementation blunt the benefits of exercise training?. 2015 , 86, 37-46	115

(2015-2015)

1050	Effects of tadalafil administration on plasma markers of exercise-induced muscle damage, IL6 and antioxidant status capacity. 2015 , 115, 531-9	20
1049	Impact of Dietary Antioxidants on Sport Performance: A Review. 2015 , 45, 939-55	89
1048	Comparative study of enzymatic antioxidants in muscle of elasmobranch and teleost fishes. 2015 , 187, 61-5	6
1047	Application of a new oxidation-reduction potential assessment method in strenuous exercise-induced oxidative stress. 2015 , 20, 154-62	33
1046	Skeletal muscle fatigue and decreased efficiency: two sides of the same coin?. 2015 , 43, 75-83	140
1045	Interleukin-10 limits intense acute swimming-induced muscle mechanical hyperalgesia in mice. 2015 , 100, 531-44	24
1044	The impact of intensified training with a high or moderate carbohydrate feeding strategy on resting and exercise-induced oxidative stress. 2015 , 115, 1757-67	4
1043	Protein carbonyl levels correlate with performance in elite field hockey players. 2015 , 40, 683-8	5
1042	Influence of vitamin C and vitamin E on redox signaling: Implications for exercise adaptations. 2015 , 84, 65-76	79
1041	Physical exercise prevents short and long-term deficits on aversive and recognition memory and attenuates brain oxidative damage induced by maternal deprivation. 2015 , 152, 99-105	20
1040	Transcriptomic analysis reveals the potential antioxidant pathways regulated by multiprotein bridging factor 1 (BbMBF1) in the fungal entomopathogen Beauveria bassiana. 2015 , 25, 1346-1358	2
1039	Ryanodine receptor fragmentation and sarcoplasmic reticulum Ca2+ leak after one session of high-intensity interval exercise. 2015 , 112, 15492-7	100
1038	Vitamin C and E supplementation prevents some of the cellular adaptations to endurance-training in humans. 2015 , 89, 852-62	92
1037	Contractile properties and sarcoplasmic reticulum calcium content in type 1 and type 11 skeletal muscle fibres in active aged humans. 2015 , 593, 2499-514	60
1036	Gastroprotective and Antioxidant Potential of Methanol Root Extract of Taverniera cuneifolia (Roth) Arn. in Albino Wister Rat. 2015 , 5, 150-162	1
1035	Physical Activity, Exercise, and Mammalian Testis Function: Emerging Preclinical Protein Biomarker and Integrative Biology Insights. 2015 , 19, 499-511	11
1034	High-intensity interval training beneficial effects on body mass, blood pressure, and oxidative stress in diet-induced obesity in ovariectomized mice. 2015 , 139, 75-82	29
1033	International society of sports nutrition position stand: Beta-Alanine. 2015 , 12, 30	111

1032	Urinary Hydrogen Peroxide as Biomarker. 2015 , 313-331	1
1031	Sites of superoxide and hydrogen peroxide production by muscle mitochondria assessed ex vivo under conditions mimicking rest and exercise. 2015 , 290, 209-27	203
1030	Exercise in a hot environment influences plasma anti-inflammatory and antioxidant status in well-trained athletes. 2015 , 47, 91-8	26
1029	Antioxidant treatments do not improve force recovery after fatiguing stimulation of mouse skeletal muscle fibres. 2015 , 593, 457-72	52
1028	Effects of N-acetylcysteine on skeletal muscle structure and function in a mouse model of peripheral arterial insufficiency. 2015 , 61, 777-86	12
1027	Effect of ascorbic acid administration on erythrocyte osmotic fragility in rabbits (Oryctolagus cuniculus) subjected to road transportation. 2015 , 43, 26-32	2
1026	Light-emitting diode therapy in exercise-trained mice increases muscle performance, cytochrome c oxidase activity, ATP and cell proliferation. 2015 , 8, 740-54	41
1025	Green tea extract attenuates muscle loss and improves muscle function during disuse, but fails to improve muscle recovery following unloading in aged rats. 2015 , 118, 319-30	34
1024	Diaphragm dysfunction caused by sphingomyelinase requires the p47(phox) subunit of NADPH oxidase. 2015 , 205, 47-52	14
1023	Black Currant Nectar Reduces Muscle Damage and Inflammation Following a Bout of High-Intensity Eccentric Contractions. 2016 , 13, 1-15	32
1022	Studies on fate and toxicity of nanoalumina in male albino rats: Oxidative stress in the brain, liver and kidney. 2016 , 32, 200-14	29
1021	Handgrip Strength Is Positively Associated with Mildly Elevated Serum Bilirubin Levels among Community-Dwelling Adults. 2016 , 240, 221-226	11
1020	EFFECTS OF L-ASCORBIC ACID AND ALPHA-TOCOPHEROL ON BIOCHEMICAL PARAMETERS OF SWIMMING-INDUCED OXIDATIVE STRESS IN SERUM OF GUINEA PIGS. 2016 , 13, 29-33	2
1019	Aerobic and anaerobic training sessions promote antioxidant changes in young male soccer players. 2016 , 3,	2
1018	Oxidative Stress and Autophagy. 2016 ,	6
1017	Effects of hydrogen bathing on exercise-induced oxidative stress and delayed-onset muscle soreness. 2016 , 65, 297-305	11
1016	The role of DNA damage and repair in toxicity to postmitotic cells caused by cancer therapies. 2016 , 383-428	2
1015	Antioxidant Effects of Sheep Whey Protein on Endothelial Cells. 2016 , 2016, 6585737	19

1014	Mitochondrion-Permeable Antioxidants to Treat ROS-Burst-Mediated Acute Diseases. 2016 , 2016, 6859523	41
1013	Oxidative Stress Assessment in Response to Ultraendurance Exercise: Thiols Redox Status and ROS Production according to Duration of a Competitive Race. 2016 , 2016, 6439037	28
1012	Modulation of Hypercholesterolemia-Induced Oxidative/Nitrative Stress in the Heart. 2016 , 2016, 3863726	55
1011	Attenuated Oxidative Stress following Acute Exhaustive Swimming Exercise Was Accompanied with Modified Gene Expression Profiles of Apoptosis in the Skeletal Muscle of Mice. 2016 , 2016, 8381242	15
1010	Comparative antioxidant and bioavailability studies of Vitamin C in Phyllanthus emblica Linn. and its combinations with Piper nigrum Linn. and Zingiber officinale Roscoe. 2016 , 52, 35-43	2
1009	New trends in food science: the use of nutraceuticals as an antiinflammatory therapeutic tool in exercise. 2016 , 669-714	2
1008	Inhibition of Glutathione Synthesis Induced by Exhaustive Running Exercise via the Decreased Influx Rate of L-Cysteine in Rat Erythrocytes. 2016 , 40, 1410-1421	11
1007	Honest Signaling and Oxidative Stress: The Special Case of Avian Acoustic Communication. 2016 , 4,	8
1006	Can Exercise Make You Smarter, Happier, and Have More Neurons? A Hormetic Perspective. 2016 , 10, 93	20
1005	Influence of Long-Distance Bicycle Riding on Serum/Urinary Biomarkers of Prostate Cancer. 2016 , 17, 377	3
1004	Intense Resistance Exercise Promotes the Acute and Transient Nuclear Translocation of Small Ubiquitin-Related Modifier (SUMO)-1 in Human Myofibres. 2016 , 17,	4
1003	Up-Regulation of Mitochondrial Antioxidant Superoxide Dismutase Underpins Persistent Cardiac Nutritional-Preconditioning by Long Chain n-3 Polyunsaturated Fatty Acids in the Rat. 2016 , 5,	14
1002	Long Chain Fatty Acid Esters of Quercetin-3-O-glucoside Attenuate HDEInduced Acute Cytotoxicity in Human Lung Fibroblasts and Primary Hepatocytes. 2016 , 21, 452	8
1001	Dietary Recommendations for Cyclists during Altitude Training. 2016, 8,	25
1000	Role of Protein Carbonylation in Skeletal Muscle Mass Loss Associated with Chronic Conditions. 2016 , 4,	27
999	Betalain-Rich Concentrate Supplementation Improves Exercise Performance in Competitive Runners. 2016 , 4,	14
998	Mitochondrial Quality Control and Muscle Mass Maintenance. 2015 , 6, 422	218
997	Redox Mechanism of Reactive Oxygen Species in Exercise. 2016 , 7, 486	158

996	Effect of biologically active substances present in water extracts of white mustard and coriander on antioxidant status and lipid peroxidation of mouse C2C12 skeletal muscle cells. 2016 , 100, 988-1002	7
995	Role of reactive oxygen species in regulation of glucose transport in skeletal muscle during exercise. 2016 , 594, 2787-94	12
994	Treatment with Parkinsonia aculeata combats insulin resistance-induced oxidative stress through the increase in PPARI/CuZn-SOD axis expression in diet-induced obesity mice. 2016 , 419, 93-101	9
993	Beneficial effects of exercise on age-related mitochondrial dysfunction and oxidative stress in skeletal muscle. 2016 , 594, 5105-23	82
992	Frailty and sarcopenia as the basis for the phenotypic manifestation of chronic diseases in older adults. 2016 , 50, 1-32	74
991	Role of vitamin C as an adjuvant therapy to different iron chelators in young Ethalassemia major patients: efficacy and safety in relation to tissue iron overload. 2016 , 96, 318-26	23
990	DNA injury is acutely enhanced in response to increasing bulks of aerobic physical exercise. 2016 , 460, 146-51	10
989	Role of reactive oxygen species in age-related neuromuscular deficits. 2016 , 594, 1979-88	29
988	Exercise-induced oxidative stress: past, present and future. 2016 , 594, 5081-92	163
987	Non-invasive Sampling for Assessment of Oxidative Stress and Pro-inflammatory Cytokine Levels in Beta-Thalassaemia Major Patients. 2016 , 24, 83-92	1
986	Astaxanthin intake attenuates muscle atrophy caused by immobilization in rats. 2016, 4, e12885	23
985	Light-emitting diode therapy in exercise-trained mice increases muscle performance, cytochrome c oxidase activity, ATP and cell proliferation [J. Biophotonics 8, No. 9, 740-754 (2015)]. 2016 , 9, 976	11
984	Predominant cause of prolonged low-frequency force depression changes during recovery after in situ fatiguing stimulation of rat fast-twitch muscle. 2016 , 311, R919-R929	20
983	Molecular mechanisms of ROS production and oxidative stress in diabetes. 2016 , 473, 4527-4550	401
982	Vitamin E and the risk of pneumonia: using the I 2 statistic to quantify heterogeneity within a controlled trial. 2016 , 116, 1530-1536	8
981	Changes in serum biochemical parameters and oxidative stress biomarkers in grazing cattle. 2016 , 25, 1013-1016	O
980	Effects of exercise on markers of oxidative stress: an Ancillary analysis of the Alberta Physical Activity and Breast Cancer Prevention Trial. 2016 , 2, e000171	17
979	Migratory refueling affects non-enzymatic antioxidant capacity, but does not increase lipid peroxidation. 2016 , 158, 26-32	16

978	Is immunosenescence influenced by our lifetime "dose" of exercise?. 2016 , 17, 581-602	56
977	Exercise training as a drug to treat age associated frailty. 2016 , 98, 159-164	17
976	Muscle fiber type diversification during exercise and regeneration. 2016 , 98, 56-67	73
975	Redox Remodeling Is Pivotal in Murine Diaphragm Muscle Adaptation to Chronic Sustained Hypoxia. 2016 , 55, 12-23	22
974	Beetroot juice supplementation reduces whole body oxygen consumption but does not improve indices of mitochondrial efficiency in human skeletal muscle. 2016 , 594, 421-35	68
973	Bioenergetic status and oxidative stress during escape response until exhaustion in whiteleg shrimp Litopenaeus vannamei. 2016 , 478, 16-23	13
972	Influence of different frequencies of deep water running on oxidative profile and insulin resistance in obese women. 2016 , 2, 37-40	4
971	Potent In Vitro Protection Against PMIICaused ROS Generation and Vascular Permeability by Long-Term Pretreatment with Ganoderma tsugae. 2016 , 44, 355-76	12
970	Comparing the impact of an acute exercise bout on plasma amino acid composition, intraerythrocytic Ca(2+) handling, and red cell function in athletes and untrained subjects. 2016 , 60, 235-44	22
969	Ageing in relation to skeletal muscle dysfunction: redox homoeostasis to regulation of gene expression. 2016 , 27, 341-57	19
968	Pharmacological targeting of mitochondrial reactive oxygen species counteracts diaphragm weakness in chronic heart failure. 2016 , 120, 733-42	26
967	Variations in oxidative stress markers in elite basketball players at the beginning and end of a season. 2016 , 11, 147-153	25
966	Mitochondrial generation of superoxide and hydrogen peroxide as the source of mitochondrial redox signaling. 2016 , 100, 14-31	510
965	Exercise-induced alterations in pancreatic oxidative stress and mitochondrial function in type 2 diabetic Goto-Kakizaki rats. 2016 , 4, e12751	6
964	Role of l-carnitine in sports performance: Focus on ergogenic aid and antioxidant. 2016 , 31, 177-188	7
963	Reviews of Physiology, Biochemistry and Pharmacology Vol. 170. 2016 ,	1
962	Redox regulation of autophagy in skeletal muscle. 2016 , 98, 103-112	39
961	Regulation of NADPH oxidases in skeletal muscle. 2016 , 98, 18-28	69

960	Roles of peroxiredoxins in cancer, neurodegenerative diseases and inflammatory diseases. 2016 , 163, 1-23	87
959	Reactive oxygen species in sarcopenia: Should we focus on excess oxidative damage or defective redox signalling?. 2016 , 50, 33-40	47
958	Whey protein increases muscle weight gain through inhibition of oxidative effects induced by resistance exercise in rats. 2016 , 36, 1081-1089	5
957	Mitochondria-specific antioxidant supplementation does not influence endurance exercise training-induced adaptations in circulating angiogenic cells, skeletal muscle oxidative capacity or maximal oxygen uptake. 2016 , 594, 7005-7014	33
956	Oxidative Stress and Antioxidant Status in Standardbreds: Effect of Age and Acute Exercise Before and After Training. 2016 , 47, 92-106	4
955	A Free Radical Primer. 2016 , 1-33	4
954	Effects of powdered Montmorency tart cherry supplementation on acute endurance exercise performance in aerobically trained individuals. 2016 , 13, 22	60
953	Resistance exercise increases intramuscular NF-B signaling in untrained males. 2016 , 116, 2103-2111	5
952	Profiling Carbonylated Proteins in Heart and Skeletal Muscle Mitochondria from Trained and Untrained Mice. 2016 , 15, 3666-3678	9
951	Long-term administration of the mitochondria-targeted antioxidant mitoquinone mesylate fails to attenuate age-related oxidative damage or rescue the loss of muscle mass and function associated with aging of skeletal muscle. 2016 , 30, 3771-3785	34
950	Exercise training attenuates renovascular hypertension partly via RAS- ROS- glutamate pathway in the hypothalamic paraventricular nucleus. 2016 , 6, 37467	15
949	Impact of different running distances on muscle and lymphocyte DNA damage in amateur marathon runners. 2016 , 28, 450-5	13
948	The effect of conjugated linoleic acid supplements on oxidative and antioxidative status of dairy cows. 2016 , 99, 8090-8102	18
947	Protective effects of TES trioleate, an inhibitor of phospholipase A2, on reactive oxygen species and UVA-induced cell damage. 2016 , 164, 30-35	3
946	Exercise-induced mitochondrial dysfunction: a myth or reality?. 2016 , 130, 1407-16	21
945	PVP- coated naringenin nanoparticles for biomedical applications - In vivo toxicological evaluations. 2016 , 257, 110-8	31
944	Recent advances and long-standing problems in detecting oxidative damage and reactive oxygen species in skeletal muscle. 2016 , 594, 5185-93	9
943	Reversible oxidation of vicinal-thiols motif in sarcoplasmic reticulum calcium regulatory proteins is involved in muscle fatigue mechanism. 2016 , 60, 245-55	4

942	Chronic restraint stress increases angiotensin II potency in the rat carotid: role of cyclooxygenases and reactive oxygen species. 2017 , 69, 52-65	5
941	Differential expression analysis of the broiler tracheal proteins responsible for the immune response and muscle contraction induced by high concentration of ammonia using iTRAQ-coupled 2D LC-MS/MS. 2016 , 59, 1166-1176	22
940	Oxidative Stress in Female Athletes Using Combined Oral Contraceptives. 2016 , 2, 40	15
939	Current versus future reproduction and longevity: a re-evaluation of predictions and mechanisms. 2016 , 219, 3177-3189	38
938	Mitochondrial ROS regulate oxidative damage and mitophagy but not age-related muscle fiber atrophy. 2016 , 6, 33944	67
937	Voluntary exercise and testosterone therapy caused increase in percentage of Myh6 and expression of oxidative stress marker Cybb in left ventricles of rats. 2016 , 63, 12-15	2
936	Comparison of antioxidant activities of fractionated extracts from seedlings and herb of Chelidonium majus L. using DPPH, ABTS and FRAP methods. 2016 , 62, 22-38	2
935	Do antioxidant supplements interfere with skeletal muscle adaptation to exercise training?. 2016 , 594, 5135-47	145
934	Protein undernutrition during development and oxidative impairment in the central nervous system (CNS): potential factors in the occurrence of metabolic syndrome and CNS disease. 2016 , 7, 513-524	5
933	Kinetic model of water disinfection using peracetic acid including synergistic effects. 2016 , 73, 275-82	10
932	Redox Status of Professional Soccer Players is Influenced by Training Load Throughout a Season. 2016 , 37, 680-6	12
931	Effects of Light-Emitting Diode Therapy on Muscle Hypertrophy, Gene Expression, Performance, Damage, and Delayed-Onset Muscle Soreness: Case-control Study with a Pair of Identical Twins. 2016 , 95, 746-57	22
930	Effects of Laminaria japonica polysaccharides on exercise endurance and oxidative stress in forced swimming mouse model. 2016 , 23, 7	12
929	Genetic variation and exercise-induced muscle damage: implications for athletic performance, injury and ageing. 2016 , 116, 1595-625	77
928	Online Monitoring of Superoxide Anions Released from Skeletal Muscle Cells Using an Electrochemical Biosensor Based on Thick-Film Nanoporous Gold. 2016 , 1, 921-928	24
927	Mitochondrial function following downhill and/or uphill exercise training in rats. 2016 , 54, 925-935	7
926	Reactive oxygen/nitrogen species and contractile function in skeletal muscle during fatigue and recovery. 2016 , 594, 5149-60	71
925	Nuclear factor erythroid-derived 2-like 2 (NFE2L2, Nrf2) mediates exercise-induced mitochondrial biogenesis and the anti-oxidant response in mice. 2016 , 594, 5195-207	129

924	Pigment epithelium-derived factor stimulates skeletal muscle glycolytic activity through NADPH oxidase-dependent reactive oxygen species production. 2016 , 78, 229-236	10
923	AMPK signaling in skeletal muscle during exercise: Role of reactive oxygen and nitrogen species. 2016 , 98, 68-77	39
922	Disinfection by-products effect on swimmers oxidative stress and respiratory damage. 2016 , 16, 609-17	7
921	Mitohormesis in exercise training. 2016 , 98, 123-130	78
920	High intensity interval training in the heat enhances exercise-induced lipid peroxidation, but prevents protein oxidation in physically active men. 2016 , 3, 167-75	8
919	Regulation of exercise blood flow: Role of free radicals. 2016 , 98, 90-102	45
918	Exercise-induced skeletal muscle signaling pathways and human athletic performance. 2016 , 98, 131-143	68
917	Muscle redox signalling pathways in exercise. Role of antioxidants. 2016 , 98, 29-45	57
916	Exercise-induced hormesis and skeletal muscle health. 2016 , 98, 113-122	73
915	Active paraplegics are protected against exercise-induced oxidative damage through the induction of antioxidant enzymes. 2016 , 54, 830-837	9
914	Age-dependent action of reactive oxygen species on transmitter release in mammalian neuromuscular junctions. 2016 , 38, 73-81	11
913	Aspartame induced cardiac oxidative stress in Wistar albino rats. 2016 , 30, 29-37	9
912	From physical inactivity to immobilization: Dissecting the role of oxidative stress in skeletal muscle insulin resistance and atrophy. 2016 , 98, 197-207	17
911	Cardiac Response to Oxidative Stress Induced by Mitochondrial Dysfunction. 2016 , 170, 101-27	11
910	The effects of chronic administration of nandrolone decanoate on redox status in exercised rats. 2016 , 411, 95-105	7
909	Endothelial function does not improve with high-intensity continuous exercise training in SHR: implications of eNOS uncoupling. 2016 , 39, 70-8	22
908	The role of continuous versus fractionated physical training on muscle oxidative stress parameters and calcium-handling proteins in aged rats. 2016 , 28, 833-41	8
907	Ascorbic acid supplementation does not alter oxidative stress markers in healthy volunteers engaged in a supervised exercise program. 2016 , 41, 175-80	12

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906	Vitamin E-enriched diet reduces adaptive responses to training determining respiratory capacity and redox homeostasis in rat heart. 2016 , 50, 56-67	8
905	Graded hypoxia and blood oxidative stress during exercise recovery. 2016 , 34, 56-66	8
904	Macroporous mesh of nanoporous gold in electrochemical monitoring of superoxide release from skeletal muscle cells. 2017 , 88, 41-47	15
903	Diaphragm abnormalities in heart failure and aging: mechanisms and integration of cardiovascular and respiratory pathophysiology. 2017 , 22, 191-207	50
902	Effect of maximal-intensity exercise on systemic nitro-oxidative stress in men and women. 2017 , 22, 176-182	7
901	Blood biochemical and oxidant/antioxidant alterations following stanozolol treatment along with resistance training in rats. 2017 , 49, e12613	4
900	Performance and Side Effects of Supplementation with N-Acetylcysteine: A Systematic Review and Meta-Analysis. 2017 , 47, 1619-1636	29
899	Ischemic optic neuropathy as a model of neurodegenerative disorder: A review of pathogenic mechanism of axonal degeneration and the role of neuroprotection. 2017 , 375, 430-441	17
898	Ingestion of soy-whey blended protein augments sports performance and ameliorates exercise-induced fatigue in a rat exercise model. 2017 , 8, 670-679	18
897	Cooling interventions for athletes: An overview of effectiveness, physiological mechanisms, and practical considerations. 2017 , 4, 60-78	101
897 896		101
	practical considerations. 2017 , 4, 60-78	
896	Practical considerations. 2017, 4, 60-78 Role of Melatonin Supplementation During Strenuous Exercise. 2017, 95-103	1
896 895	practical considerations. 2017, 4, 60-78 Role of Melatonin Supplementation During Strenuous Exercise. 2017, 95-103 "Nutraceuticals" in relation to human skeletal muscle and exercise. 2017, 312, E282-E299 Investigation of oxidative stress parameters in different lifespan erythrocyte fractions in young	1 39
896 895 894	Practical considerations. 2017, 4, 60-78 Role of Melatonin Supplementation During Strenuous Exercise. 2017, 95-103 "Nutraceuticals" in relation to human skeletal muscle and exercise. 2017, 312, E282-E299 Investigation of oxidative stress parameters in different lifespan erythrocyte fractions in young untrained men after acute exercise. 2017, 102, 190-201 Mechanisms Explaining Muscle Fatigue and Muscle Pain in Patients with Myalgic	1 39 9
896 895 894 893	Role of Melatonin Supplementation During Strenuous Exercise. 2017, 95-103 "Nutraceuticals" in relation to human skeletal muscle and exercise. 2017, 312, E282-E299 Investigation of oxidative stress parameters in different lifespan erythrocyte fractions in young untrained men after acute exercise. 2017, 102, 190-201 Mechanisms Explaining Muscle Fatigue and Muscle Pain in Patients with Myalgic Encephalomyelitis/Chronic Fatigue Syndrome (ME/CFS): a Review of Recent Findings. 2017, 19, 1 Natural zeolite (chabazite/phillipsite) dietary supplementation influences faecal microbiota and	1 39 9 37
896 895 894 893	Role of Melatonin Supplementation During Strenuous Exercise. 2017, 95-103 "Nutraceuticals" in relation to human skeletal muscle and exercise. 2017, 312, E282-E299 Investigation of oxidative stress parameters in different lifespan erythrocyte fractions in young untrained men after acute exercise. 2017, 102, 190-201 Mechanisms Explaining Muscle Fatigue and Muscle Pain in Patients with Myalgic Encephalomyelitis/Chronic Fatigue Syndrome (ME/CFS): a Review of Recent Findings. 2017, 19, 1 Natural zeolite (chabazite/phillipsite) dietary supplementation influences faecal microbiota and oxidant status of working dogs. 2017, 16, 115-121	1 39 9 37 4

888	Living in flowing water increases resistance to ultraviolet B radiation. 2017, 220, 582-587	10
887	Specific circulating phospholipids, acylcarnitines, amino acids and biogenic amines are aerobic exercise markers. 2017 , 20, 700-705	19
886	Polydatin improves the developmental competence of bovine embryos in vitro via induction of sirtuin 1 (Sirt1). 2017 , 29, 2011-2020	18
885	Physical activity to counteract the impact of alcohol intake on overall mortality risks. 2017 , 51, 692	
884	The effects of exercise load during development on oxidative stress levels and antioxidant potential in adulthood. 2017 , 51, 179-186	5
883	Exercise, oxidants, and antioxidants change the shape of the bell-shaped hormesis curve. 2017 , 12, 285-290	96
882	High Volume Exercise Training in Older Athletes Influences Inflammatory and Redox Responses to Acute Exercise. 2017 , 25, 559-569	3
881	Morin exerts cytoprotective effects against oxidative stress in C2C12 myoblasts via the upregulation of Nrf2-dependent HO-1 expression and the activation of the ERK pathway. 2017 , 39, 399-406	26
880	Interleukin 37 reverses the metabolic cost of inflammation, increases oxidative respiration, and improves exercise tolerance. 2017 , 114, 2313-2318	60
879	Aldose reductase mediates endothelial cell dysfunction induced by high uric acid concentrations. 2017 , 15, 3	33
878	Mitochondria and ageing: role in heart, skeletal muscle and adipose tissue. 2017 , 8, 349-369	160
877	Single swim sessions in C. elegans induce key features of mammalian exercise. 2017 , 15, 30	41
876	-nitrosylation and -glutathionylation of Cys134 on troponin I have opposing competitive actions on Ca sensitivity in rat fast-twitch muscle fibers. 2017 , 312, C316-C327	29
875	A comparison of dicarbonyl stress and advanced glycation endproducts in lifelong endurance athletes vs. sedentary controls. 2017 , 20, 921-926	12
874	Esyntrophin stabilizes catalase to reduce endogenous reactive oxygen species levels during myoblast differentiation. 2017 , 284, 2052-2065	8
873	Oxidative ecology of paternal care in wild smallmouth bass,. 2017 , 220, 1905-1914	1
872	Dietary thiols in exercise: oxidative stress defence, exercise performance, and adaptation. 2017 , 14, 12	42
871	Effect of thyme extract supplementation on lipid peroxidation, antioxidant capacity, PGC-1∃ content and endurance exercise performance in rats. 2017 , 14, 11	16

(2017-2017)

870	Control of DNA integrity in skeletal muscle under physiological and pathological conditions. 2017 , 74, 3439-3449	6
869	Cerium oxide nanozyme modulate the Exerciseliedox biology of skeletal muscle. 2017 , 4, 055401	9
868	The effect of 1 week of repeated ischaemic leg preconditioning on simulated Keirin cycling performance: a randomised trial. 2017 , 3, e000229	24
867	Palmitate and oleate exert differential effects on insulin signalling and glucose uptake in human skeletal muscle cells. 2017 , 6, 331-339	20
866	Chronic Obstructive Pulmonary Disease and Oxidative Damage. 2017 , 241-271	
865	Exercise: Teaching myocytes new tricks. 2017 , 123, 460-472	13
864	HIRA deficiency in muscle fibers causes hypertrophy and susceptibility to oxidative stress. 2017 , 130, 2551-2563	6
863	Repair and Regeneration of the Wounded Cell Membrane. 2017 , 3, 111-132	7
862	Mitochondrial-Targeted Catalase: Extended Longevity and the Roles in Various Disease Models. 2017 , 146, 203-241	37
861	A radical shift in perspective: mitochondria as regulators of reactive oxygen species. 2017 , 220, 1170-1180	126
860	Exercise redox biochemistry: Conceptual, methodological and technical recommendations. 2017 , 12, 540-548	61
859	Short-term intense exercise training reduces stress markers and alters the transcriptional response to exercise in skeletal muscle. 2017 , 312, R426-R433	11
858	Copper and Antibiotics: Discovery, Modes of Action, and Opportunities for Medicinal Applications. 2017 , 70, 193-260	51
857	l-Arginine supplementation improves rats' antioxidant system and exercise performance. 2017 , 51, 281-293	8
856	Redox Control of Skeletal Muscle Regeneration. 2017 , 27, 276-310	77
855	Nicorandil improves post-fatigue tension in slow skeletal muscle fibers by modulating glutathione redox state. 2017 , 49, 159-170	8
854	Parental exposure modulates the effects of UV-B on offspring in guppies. 2017 , 31, 1082-1090	10
853	Measuring short-term stress in birds: Comparing different endpoints of the endocrine-immune interface. 2017 , 182, 46-53	17

852	A novel de novo dominant mutation in associated with mitochondrial myopathy. 2017, 54, 815-824	19
851	Nuclear factor (erythroid derived 2)-like 2 activation increases exercise endurance capacity via redox modulation in skeletal muscles. 2017 , 7, 12902	37
850	Activity assay of mangosteen (Garcinia mangostana L.) pericarp extract for decreasing fasting blood cholesterol level and lipid peroxidation in type-2 diabetic mice. 2017 ,	8
849	Effects of N-acetylcysteine on isolated skeletal muscle contractile properties after an acute bout of aerobic exercise. 2017 , 191, 46-51	3
848	Mildly elevated serum total bilirubin is negatively associated with hemoglobin A1c independently of confounding factors among community-dwelling middle-aged and elderly persons. 2017 , 6, 184945441772	26609
847	Impact of Polyphenol Supplementation on Acute and Chronic Response to Resistance Training. 2017 , 31, 2945-2954	13
846	. Focus on "-nitrosylation and -glutathionylation of Cys134 on troponin I have opposing competitive actions on Ca sensitivity in rat fast-twitch muscle fibers. 2017 , 312, C314-C315	5
845	Effects of wheat peptide supplementation on anti-fatigue and immunoregulation during incremental swimming exercise in rats. 2017 , 7, 43345-43355	5
844	A multicenter study to evaluate oxidative stress by oxidation-reduction potential, a reliable and reproducible method. 2017 , 5, 939-945	36
843	Assessment of genotoxicity and biodistribution of nano- and micron-sized yttrium oxide in rats after acute oral treatment. 2017 , 37, 1379-1395	9
842	Oxidant production and SOD1 protein expression in single skeletal myofibers from Down syndrome mice. 2017 , 13, 421-425	4
841	Redox homeostasis and age-related deficits in neuromuscular integrity and function. 2017 , 8, 881-906	29
840	Training and acute exercise modulates mitochondrial dynamics in football players' blood mononuclear cells. 2017 , 117, 1977-1987	22
839	The participation of oxidative stress in the pathogenesis of bronchial asthma. 2017 , 94, 100-108	33
838	Biomarker research to improve clinical outcomes of peritoneal dialysis: consensus of the European Training and Research in Peritoneal Dialysis (EuTRiPD) network. 2017 , 92, 824-835	32
837	Role of nerve-muscle interactions and reactive oxygen species in regulation of muscle proteostasis with ageing. 2017 , 595, 6409-6415	30
836	Antioxidants for preventing and reducing muscle soreness after exercise. 2017, 12, CD009789	16
835	SOD2 gene polymorphism may modulate biochemical responses to a 12-week swimming training. 2017 , 113, 571-579	4

834	Selected In-Season Nutritional Strategies to Enhance Recovery for Team Sport Athletes: A Practical Overview. 2017 , 47, 2201-2218	56
833	Assessment of DNA damage in a group of professional dancers during a 10-month dancing season. 2017 , 80, 797-804	3
832	Oxidative stress and antioxidant biomarker responses after a moderate-intensity soccer training session. 2017 , 25, 322-332	13
831	Mechano-sensitivity of mitochondrial function in mouse cardiac myocytes. 2017 , 130, 315-322	11
830	Neuronal nitric oxide synthase mediates insulin- and oxidative stress-induced glucose uptake in skeletal muscle myotubes. 2017 , 110, 261-269	28
829	Antibacterial, Anticancer and Neuroprotective Activities of Rare Actinobacteria from Mangrove Forest Soils. 2017 , 57, 177-187	40
828	Diagnostic value of a pattern of exhaled breath condensate biomarkers in asthmatic children. 2017 , 45, 2-10	3
827	Oxidative Stress and Antioxidant Status in Standardbreds: Effect of Age and Training in Resting Plasma and Muscle. 2017 , 48, 93-102	1
826	Activating transcription factor 3 attenuates chemokine and cytokine expression in mouse skeletal muscle after exercise and facilitates molecular adaptation to endurance training. 2017 , 31, 840-851	23
825	A lifelong competitive training practice attenuates age-related lipid peroxidation. 2017 , 73, 37-48	12
824	Molecular mechanisms underlying COPD-muscle dysfunction unveiled through a systems medicine approach. 2017 , 33, 95-103	11
823	Oxidative Challenges of Avian Migration: A Comparative Field Study on a Partial Migrant. 2017 , 90, 223-229	21
822	Natural antioxidant ice cream acutely reduces oxidative stress and improves vascular function and physical performance in healthy individuals. 2017 , 33, 225-233	24
821	Preventive Effects of Poloxamer 188 on Muscle Cell Damage Mechanics Under Oxidative Stress. 2017 , 45, 1083-1092	5
820	Impact of single anaerobic exercise on delayed activation of endothelial xanthine oxidase in men and women. 2017 , 22, 367-376	6
819	Zinc supplementation modifies trace element status in exercised rats. 2017 , 15, 39-47	2
818	Acute and long-term effects of blood flow restricted training on heat shock proteins and endogenous antioxidant systems. 2017 , 27, 1190-1201	6
817	Beneficial and harmful effects of exercise in hypertensive patients: the role of oxidative stress. 2017 , 40, 15-20	9

816	DNA and mitochondrial protective effect of lycopene rich tomato (Solanum lycopersicum L.) peel extract prepared by enzyme assisted extraction against H2O2 induced oxidative damage in L6 myoblasts. 2017 , 28, 147-156	17
815	Feasibility of high-intensity interval training with hyperoxia vs. intermittent hyperoxia and hypoxia in cancer patients undergoing chemotherapy - Study protocol of a randomized controlled trial. 2017 , 8, 213-217	4
814	Antioxidants in Physical Exercise and Sports Performance. 2017 , 247-266	O
813	Do Bar-Headed Geese Train for High Altitude Flights?. 2017 , 57, 240-251	4
812	Systemic F-Isoprostane Levels in Predisposition to Obesity and Type 2 Diabetes: Emphasis on Racial Differences. 2017 , 14, 91-101	2
811	Oxidative Stress: Comparing Sub-Maximal Physical Activities as a Self-Reminder for Human Health System. 2017 , 180, 012265	
810	Hypoxia-Induced Oxidative Stress Modulation with Physical Activity. 2017 , 8, 84	64
809	Hypoxic Air Inhalation and Ischemia Interventions Both Elicit Preconditioning Which Attenuate Subsequent Cellular Stress Following Blood Flow Occlusion and Reperfusion. 2017 , 8, 560	16
808	Taurine: A Potential Ergogenic Aid for Preventing Muscle Damage and Protein Catabolism and Decreasing Oxidative Stress Produced by Endurance Exercise. 2017 , 8, 710	25
807	Update of Nutritional Antioxidants and Antinociceptives on Improving Exercise-Induced Muscle Soreness. 2017 , 199-208	
806	Vitamin A Oral Supplementation Induces Oxidative Stress and Suppresses IL-10 and HSP70 in Skeletal Muscle of Trained Rats. 2017 , 9,	19
805	High-Fat Diet and Voluntary Chronic Aerobic Exercise Recover Altered Levels of Aging-Related Tryptophan Metabolites along the Kynurenine Pathway. 2017 , 26, 132-140	6
804	The role of attenuated redox and heat shock protein responses in the age-related decline in skeletal muscle mass and function. 2017 , 61, 339-348	14
803	Vitamin C and Infections. 2017 , 9,	221
802	Fructose Consumption in the Development of Obesity and the Effects of Different Protocols of Physical Exercise on the Hepatic Metabolism. 2017 , 9,	54
801	Effects of Pomegranate Juice Supplementation on Oxidative Stress Biomarkers Following Weightlifting Exercise. 2017 , 9,	40
800	Nutritional Recommendations for Athletes. 2017 , 255-271	1
799	Diabetes-Induced Dysfunction of Mitochondria and Stem Cells in Skeletal Muscle and the Nervous System. 2017 , 18,	29

798	Nutraceuticals for Healthy Skin Aging. 2017 , 273-281	7
797	Effect of body composition, aerobic performance and physical activity on exercise-induced oxidative stress in healthy subjects. 2017 , 57, 942-952	2
796	Physical Exercise and DNA Injury: Good or Evil?. 2017 , 81, 193-230	9
795	Hormetic Property of Ginseng Steroids on Anti-Oxidant Status against Exercise Challenge in Rat Skeletal Muscle. 2017 , 6,	3
794	The Ability of Exercise-Associated Oxidative Stress to Trigger Redox-Sensitive Signalling Responses. 2017 , 6,	32
793	The Effects of Resistance Exercise on Muscle Damage, Position Sense, and Blood Redox Status in Young and Elderly Individuals. 2017 , 2,	7
79 ²	Exercise and Glycemic Control: Focus on Redox Homeostasis and Redox-Sensitive Protein Signaling. 2017 , 8, 87	28
791	Antioxidant Treatment Reduces Formation of Structural Cores and Improves Muscle Function in RYR1 Mice. 2017 , 2017, 6792694	20
790	Linking Cancer Cachexia-Induced Anabolic Resistance to Skeletal Muscle Oxidative Metabolism. 2017 , 2017, 8018197	24
789	The Treadmill Exercise Protects against Dopaminergic Neuron Loss and Brain Oxidative Stress in Parkinsonian Rats. 2017 , 2017, 2138169	25
788	The Oxidative Stress Response in Elite Water Polo Players: Effects of Genetic Background. 2017 , 2017, 7019694	10
787	Role of Selected Medicinal Plants in Sports Nutrition and Energy Homeostasis. 2017 , 119-135	O
786	Ganoderma Lucidum Protects Rat Brain Tissue Against Trauma-Induced Oxidative Stress. 2017, 13, 76-84	5
7 ⁸ 5	Effects of Methylsulfonylmethane (MSM) on exercise-induced oxidative stress, muscle damage, and pain following a half-marathon: a double-blind, randomized, placebo-controlled trial. 2017 , 14, 24	27
7 ⁸ 4	Enzymatically modified isoquercitrin supplementation intensifies plantaris muscle fiber hypertrophy in functionally overloaded mice. 2017 , 14, 32	11
783	Vitamin C and E supplementation does not affect heat shock proteins or endogenous antioxidants in trained skeletal muscles during 12 weeks of strength training. 2017 , 3, 70	4
782	Use of Saliva Biomarkers to Monitor Efficacy of Vitamin C in Exercise-Induced Oxidative Stress. 2017 , 6,	19
781	Treatment with Rutin - A Therapeutic Strategy for Neutrophil-Mediated Inflammatory and Autoimmune Diseases: - Anti-inflammatory Effects of Rutin on Neutrophils. 2017 , 20, 52-56	25

780	Inflammation and oxidative stress in heart failure: effects of exercise intensity and duration. 2017 , 50, e6393	23
779	Optical probing of gastrocnemius in patients with peripheral artery disease characterizes myopathic biochemical alterations and correlates with stage of disease. 2017 , 5, e13161	6
778	The duration effects of lumbar extensor muscle fatigue on postural control in soccer players. 2017 , 31, 112	3
777	The effect of pre-exercise ingestion of corinthian currant on endurance performance and blood redox status. 2018 , 36, 2172-2180	2
776	Spasticity Treatment Ameliorates the Efficacy of Melatonin Therapy in Experimental Autoimmune Encephalomyelitis (EAE) Mouse Model of Multiple Sclerosis. 2018 , 38, 1145-1151	11
775	Nrf2-Keap1 signaling in oxidative and reductive stress. 2018 , 1865, 721-733	502
774	Effects of stanozolol on apoptosis mechanisms and oxidative stress in rat cardiac tissue. 2018 , 134, 96-100	5
773	Oxidative stress, muscle and liver cell damage in professional soccer players during a 2-game week schedule. 2018 , 33, e221-e228	Ο
772	Nrf2 deficiency exacerbates age-related contractile dysfunction and loss of skeletal muscle mass. 2018 , 17, 47-58	38
771	The effect of juice supplementation on oxidative stress, cardiovascular parameters, and biochemical markers following yo-yo Intermittent recovery test. 2018 , 6, 259-268	14
770	Effects of exhaustive exercises, with different intensities, on oxidative stress markers in rat plasma and skeletal muscle. 2018 , 33, 169-175	3
769	Partial involvement of Nrf2 in skeletal muscle mitohormesis as an adaptive response to mitochondrial uncoupling. 2018 , 8, 2446	28
768	Isoprostanes as markers for muscle aging in older athletes. 2018 , 6, 1-8	1
767	Reactive Oxygen Species, Oxidative Damage and Cell Death. 2018 , 45-55	29
766	Advanced aging causes diaphragm functional abnormalities, global proteome remodeling, and loss of mitochondrial cysteine redox flexibility in mice. 2018 , 103, 69-79	14
765	Chronic consumption of quercetin reduces erythrocytes oxidative damage: Evaluation at resting and after eccentric exercise in humans. 2018 , 50, 73-81	28
764	Increased temperature accelerates glycogen synthesis and delays fatigue in isolated mouse muscle during repeated contractions. 2018 , 223, e13027	5
763	Prehabilitation and functional recovery for colorectal cancer patients. 2018 , 44, 919-926	53

(2018-2018)

762	Effects of reactive oxygen species and interplay of antioxidants during physical exercise in skeletal muscles. 2018 , 74, 359-367	30
761	Peroxiredoxin 2 mediates insulin sensitivity of skeletal muscles through regulation of protein tyrosine phosphatase oxidation. 2018 , 99, 80-90	10
760	Protective activity of pyruvate against vanadium-dependent cytotoxicity in Chinese hamster ovary (CHO-K1) cells. 2018 , 34, 283-292	5
759	Molecular Basis for Exercise-Induced Fatigue: The Importance of Strictly Controlled Cellular Ca Handling. 2018 , 8,	50
75 ⁸	Acute and Residual Soccer Match-Related Fatigue: A Systematic Review and Meta-analysis. 2018 , 48, 539-583	140
757	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. 2018 , 28, 275-295	31
756	Effects of resistance training on oxidative stress-related biomarkers in metabolic diseases: a review. 2018 , 14, 1-7	2
755	Subcutaneous inguinal white adipose tissue is responsive to, but dispensable for, the metabolic health benefits of exercise. 2018 , 314, E66-E77	28
754	The physiopathologic role of oxidative stress in skeletal muscle. 2018 , 170, 37-44	46
753	A mitohormetic response to pro-oxidant exposure in the house mouse. 2018 , 314, R122-R134	10
753 752	A mitohormetic response to pro-oxidant exposure in the house mouse. 2018 , 314, R122-R134 The guardian of the genome p53 regulates exercise-induced mitochondrial plasticity beyond organelle biogenesis. 2018 , 222, e13004	10
	The guardian of the genome p53 regulates exercise-induced mitochondrial plasticity beyond	
752	The guardian of the genome p53 regulates exercise-induced mitochondrial plasticity beyond organelle biogenesis. 2018 , 222, e13004 Endurance training reduces exercise-induced acidosis and improves muscle function in a mouse	8
75 ²	The guardian of the genome p53 regulates exercise-induced mitochondrial plasticity beyond organelle biogenesis. 2018, 222, e13004 Endurance training reduces exercise-induced acidosis and improves muscle function in a mouse model of sickle cell disease. 2018, 123, 400-410 Effect of Cold-Water Immersion on Elbow Flexors Muscle Thickness After Resistance Training. 2018	8
75 ² 75 ¹ 75 ⁰	The guardian of the genome p53 regulates exercise-induced mitochondrial plasticity beyond organelle biogenesis. 2018, 222, e13004 Endurance training reduces exercise-induced acidosis and improves muscle function in a mouse model of sickle cell disease. 2018, 123, 400-410 Effect of Cold-Water Immersion on Elbow Flexors Muscle Thickness After Resistance Training. 2018, 32, 756-763	8 14 3
75 ² 75 ¹ 75 ⁰ 749	The guardian of the genome p53 regulates exercise-induced mitochondrial plasticity beyond organelle biogenesis. 2018, 222, e13004 Endurance training reduces exercise-induced acidosis and improves muscle function in a mouse model of sickle cell disease. 2018, 123, 400-410 Effect of Cold-Water Immersion on Elbow Flexors Muscle Thickness After Resistance Training. 2018, 32, 756-763 Exercise-induced 'browning' of adipose tissues. 2018, 81, 63-70 Lower Serum Zinc Concentration Despite Higher Dietary Zinc Intake in Athletes: A Systematic	8 14 3 82
75 ² 75 ¹ 75 ⁰ 749	The guardian of the genome p53 regulates exercise-induced mitochondrial plasticity beyond organelle biogenesis. 2018, 222, e13004 Endurance training reduces exercise-induced acidosis and improves muscle function in a mouse model of sickle cell disease. 2018, 123, 400-410 Effect of Cold-Water Immersion on Elbow Flexors Muscle Thickness After Resistance Training. 2018, 32, 756-763 Exercise-induced 'browning' of adipose tissues. 2018, 81, 63-70 Lower Serum Zinc Concentration Despite Higher Dietary Zinc Intake in Athletes: A Systematic Review and Meta-analysis. 2018, 48, 327-336 High-Intensity Exercise Induced Oxidative Stress and Skeletal Muscle Damage in Postpubertal Boys	8 14 3 82 11

744	Monitoring Exercise-Induced Muscle Fatigue and Adaptations: Making Sense of Popular or Emerging Indices and Biomarkers. 2018 , 6,	26
743	Enzymatic antioxidants but not baseline glucocorticoids mediate the reproduction-survival trade-off in a wild bird. 2018 , 285,	11
742	Bioenergetics and psychological profile of an ultra-endurance walker. 2018 , 58, 549-554	5
741	Differential regulation of cysteine oxidative post-translational modifications in high and low aerobic capacity. 2018 , 8, 17772	12
740	Loss of peroxiredoxin-2 exacerbates eccentric contraction-induced force loss in dystrophin-deficient muscle. 2018 , 9, 5104	21
739	An 8-Week, Low Carbohydrate, High Fat, Ketogenic Diet Enhanced Exhaustive Exercise Capacity in Mice Part 2: Effect on Fatigue Recovery, Post-Exercise Biomarkers and Anti-Oxidation Capacity. 2018 , 10,	22
738	Single Dose Administration of Taheebo Polyphenol Enhances Endurance Capacity in Mice. 2018, 8, 14625	14
737	Acute and chronic effects of High Intensity Interval Training on inflammatory and oxidative stress markers of postmenopausal obese women. 2018 , 1, 257-264	4
736	Resistance Exercise's Ability to Reverse Cancer-Induced Anabolic Resistance. 2018 , 46, 247-253	9
735	Pretreatment and treatment with fructo-oligosaccharides attenuate intestinal mucositis induced by 5-FU in mice. 2018 , 49, 485-492	19
734	Redox Homeostasis in Age-Related Muscle Atrophy. 2018 , 1088, 281-306	7
733	Effects of pomegranate supplementation on exercise performance and post-exercise recovery in healthy adults: a systematic review. 2018 , 120, 1201-1216	28
732	Advances in the Understanding of Skeletal Myopathies from Zebrafish Models. 2018, 151-183	1
731	Zebrafish, Medaka, and Other Small Fishes. 2018 ,	2
730	Osmolality Selectively Offsets the Impact of Hyperthermia on Mouse Skeletal Muscle. 2018 , 9, 1496	2
729	Antioxidant Supplements in Obesity and Metabolic Syndrome. 2018 , 263-275	O
728	Impact of exercise intensity on oxidative stress and selected metabolic markers in young adults in Ghana. 2018 , 11, 634	4
727	Human-like Cmah inactivation in mice increases running endurance and decreases muscle fatigability: implications for human evolution. 2018 , 285,	14

726	A genome-wide association study for harness racing success in the Norwegian-Swedish coldblooded trotter reveals genes for learning and energy metabolism. 2018 , 19, 80	14
725	C Fullerenes Diminish Muscle Fatigue in Rats Comparable to -acetylcysteine or EAlanine. 2018 , 9, 517	30
724	Exercise-Induced Oxidative Stress and the Effects of Antioxidant Intake from a Physiological Viewpoint. 2018 , 7,	91
7 2 3	Small-for-pregnancy-age rats submitted to exercise: DNA damage in mothers and newborns, measured by the comet assay. 2018 , 835, 11-15	4
722	Key Clinical Factors Predicting Adipokine and Oxidative Stress Marker Concentrations among Normal, Overweight and Obese Pregnant Women Using Artificial Neural Networks. 2017 , 19,	7
721	Modified Decoction Ameliorates Central Fatigue by Improving Mitochondrial Biogenesis in the Rat Hippocampus. 2018 , 2018, 9452127	1
720	Metabolic Profiling of Eccentric Exercise-Induced Muscle Damage in Human Urine. 2018, 34, 199-210	19
719	The p.S85C-mutation in MATR3 impairs stress granule formation in Matrin-3 myopathy. 2018 , 306, 222-231	14
718	Dressed to impress: breeding plumage as a reliable signal of innate immunity. 2018 , 49, e01579	3
717	The Signaling Network Resulting in Ventilator-induced Diaphragm Dysfunction. 2018, 59, 417-427	15
7 ¹ 7	The Signaling Network Resulting in Ventilator-induced Diaphragm Dysfunction. 2018 , 59, 417-427 Acute dietary nitrate supplementation does not attenuate oxidative stress or the hemodynamic response during submaximal exercise in hypobaric hypoxia. 2018 , 43, 1268-1274	7
	Acute dietary nitrate supplementation does not attenuate oxidative stress or the hemodynamic	
716	Acute dietary nitrate supplementation does not attenuate oxidative stress or the hemodynamic response during submaximal exercise in hypobaric hypoxia. 2018 , 43, 1268-1274 Fatiguing contractions increase protein S-glutathionylation occupancy in mouse skeletal muscle.	7
716 715	Acute dietary nitrate supplementation does not attenuate oxidative stress or the hemodynamic response during submaximal exercise in hypobaric hypoxia. 2018, 43, 1268-1274 Fatiguing contractions increase protein S-glutathionylation occupancy in mouse skeletal muscle. 2018, 17, 367-376 Impact of dietary Arthrospira (Spirulina) biomass consumption on human health: main health	7
716 715 714	Acute dietary nitrate supplementation does not attenuate oxidative stress or the hemodynamic response during submaximal exercise in hypobaric hypoxia. 2018, 43, 1268-1274 Fatiguing contractions increase protein S-glutathionylation occupancy in mouse skeletal muscle. 2018, 17, 367-376 Impact of dietary Arthrospira (Spirulina) biomass consumption on human health: main health targets and systematic review. 2018, 30, 2403-2423 Chemotherapeutic Drugs and Mitochondrial Dysfunction: Focus on Doxorubicin, Trastuzumab, and	7 40 33
716 715 714 713	Acute dietary nitrate supplementation does not attenuate oxidative stress or the hemodynamic response during submaximal exercise in hypobaric hypoxia. 2018, 43, 1268-1274 Fatiguing contractions increase protein S-glutathionylation occupancy in mouse skeletal muscle. 2018, 17, 367-376 Impact of dietary Arthrospira (Spirulina) biomass consumption on human health: main health targets and systematic review. 2018, 30, 2403-2423 Chemotherapeutic Drugs and Mitochondrial Dysfunction: Focus on Doxorubicin, Trastuzumab, and Sunitinib. 2018, 2018, 7582730 Effect of strength training combined with antioxidant supplementation on muscular performance.	7 40 33 145
716 715 714 713 712	Acute dietary nitrate supplementation does not attenuate oxidative stress or the hemodynamic response during submaximal exercise in hypobaric hypoxia. 2018, 43, 1268-1274 Fatiguing contractions increase protein S-glutathionylation occupancy in mouse skeletal muscle. 2018, 17, 367-376 Impact of dietary Arthrospira (Spirulina) biomass consumption on human health: main health targets and systematic review. 2018, 30, 2403-2423 Chemotherapeutic Drugs and Mitochondrial Dysfunction: Focus on Doxorubicin, Trastuzumab, and Sunitinib. 2018, 2018, 7582730 Effect of strength training combined with antioxidant supplementation on muscular performance. 2018, 43, 775-781	7 40 33 145 19

708	A mini review: Proteomics approaches to understand disused vs. exercised human skeletal muscle. 2018 , 50, 746-757	8
707	Exercise Response Variations in Skeletal Muscle PCr Recovery Rate and Insulin Sensitivity Relate to Muscle Epigenomic Profiles in Individuals With Type 2 Diabetes. 2018 , 41, 2245-2254	20
706	[Exercise and oxidative stress in type 2 diabetes mellitus]. 2018 , 146, 362-372	16
705	Metabolic and molecular framework for the enhancement of endurance by intermittent food deprivation. 2018 , 32, 3844-3858	25
704	Astaxanthin in Exercise Metabolism, Performance and Recovery: A Review. 2017 , 4, 76	29
703	Reactive Oxygen and Nitrogen Species Regulate Key Metabolic, Anabolic, and Catabolic Pathways in Skeletal Muscle. 2018 , 7,	29
702	A Vitamin E-Enriched Antioxidant Diet Interferes with the Acute Adaptation of the Liver to Physical Exercise in Mice. 2018 , 10,	8
701	The Effects of Thiamine Tetrahydrofurfuryl Disulfide on Physiological Adaption and Exercise Performance Improvement. 2018 , 10,	13
700	The acute effects of walking exercise intensity on systemic cytokines and oxidative stress. 2018 , 118, 2111-2120	9
699	Life History Trade-offs within the Context of Mitochondrial Hormesis. 2018, 58, 567-577	23
698	Redox-regulation of haemostasis in hypoxic exercising humans: a randomised double-blind placebo-controlled antioxidant study. 2018 , 596, 4879-4891	8
697	Application of Traditional Chinese Medicines as Personalized Therapy in Human Cancers. 2018 , 46, 953-970	57
696	Microenvironment-Cell Nucleus Relationship in the Context of Oxidative Stress. 2018, 6, 23	23
695	A pilot study comparing the metabolic profiles of elite-level athletes from different sporting disciplines. 2018 , 4, 2	44
694	Antioxidant-rich foods and response to altitude training: A randomized controlled trial in elite endurance athletes. 2018 , 28, 1982-1995	14
693	Acute effects of strength exercise with blood flow restriction on vascular function of young healthy males. 2018 , 17, 122-127	4
692	Mitochondria-Targeted Antioxidants and Skeletal Muscle Function. 2018 , 7,	16
691	High oxidative stress despite low energy metabolism and vice versa: Insights through temperature acclimation in an ectotherm. 2018 , 78, 36-41	14

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690	Anaerobic Exercise-Induced Activation of Antioxidant Enzymes in the Blood of Women and Men. 2018 , 9, 1006	6
689	Deficiency of selenoprotein S, an endoplasmic reticulum resident oxidoreductase, impairs the contractile function of fast-twitch hindlimb muscles. 2018 , 315, R380-R396	13
688	Nutrient Intake and Physical Exercise Significantly Impact Physical Performance, Body Composition, Blood Lipids, Oxidative Stress, and Inflammation in Male Rats. 2018 , 10,	9
687	Resveratrol atenua o estresse oxidativo e a lest muscular de ratos sedentitios submetidos ao exercílio filico. 2018 , 70, 850-856	1
686	Swimming versus running: effects on exhaled breath condensate pro-oxidants and pH. 2018 , 118, 2319-2329	2
685	Antibacterial, anti-inflammatory and antioxidant effects of Aegle marmelos and Murraya koenigii in dairy cows with endometritis. 2018 , 214, 142-148	12
684	Physiological and biochemical characteristics of skeletal muscles in sedentary and active rats. 2018 , 39, 1-16	11
683	Montmorency tart cherry (Prunus cerasus L.) supplementation accelerates recovery from exercise-induced muscle damage in females. 2019 , 19, 95-102	23
682	Oxidative stress response to different exercise intensity with an automated assay: thiol/disulphide homeostasis. 2021 , 127, 504-508	6
681	-Tocopherol Protects the Heart, Muscles, and Testes from Lipid Peroxidation in Growing Male Rats Subjected to Physical Efforts. 2019 , 2019, 8431057	10
680	Dual Role of Reactive Oxygen Species in Muscle Function: Can Antioxidant Dietary Supplements Counteract Age-Related Sarcopenia?. 2019 , 20,	40
679	Lifestyle Choices, Psychological Stress and Their Impact on Ageing: The Role of Telomeres. 2019 , 135-148	4
678	Consecutive, Resting, Long-Duration Hyperoxic Exposures Alter Neuromuscular Responses During Maximal Strength Exercises in Trained Men. 2019 , 10, 960	1
677	Synthesis of smart graphene quantum dots: A benign biomaterial for prominent intracellular imaging and improvement of drug efficacy. 2019 , 495, 143562	15
676	Benfotiamine supplementation prevents oxidative stress in anterior tibialis muscle and heart. 2019 , 17, 423-429	3
675	Centenarians. 2019,	5
674	Oxidative Stress Reduction (Prong-3). 2019 , 139-254	
673	Exercise (Prong-5). 2019 , 299-329	

672	Physical Exercise Inhibits Inflammation and Microglial Activation. 2019, 8,	62
671	Exercise-Induced Mitohormesis for the Maintenance of Skeletal Muscle and Healthspan Extension. 2019 , 7,	23
670	Molecular regulation of skeletal muscle mass and the contribution of nitric oxide: A review. 2019 , 1, 364-374	12
669	Effects of physical exercise on oxidative stress biomarkers in hypertensive animals and non-diabetic subjects with prehypertension/hypertension: a review. 2019 , 15, 481-495	1
668	Effects of Individualized Treadmill Endurance Training on Oxidative Stress in Skeletal Muscles of Transgenic Sickle Mice. 2019 , 2019, 3765643	5
667	Antioxidant and Adaptative Response Mediated by Nrf2 during Physical Exercise. 2019, 8,	54
666	Oral Glutamine Supplement Reduces Subjective Fatigue Ratings during Repeated Bouts of Firefighting Simulations. 2019 , 5, 38	2
665	Effects of in vitro exposure of mercury on sperm quality and fertility of tropical fish Cyprinus carpio L 2019 , 45, 189-195	20
664	The Emerging Roles of Nicotinamide Adenine Dinucleotide Phosphate Oxidase 2 in Skeletal Muscle Redox Signaling and Metabolism. 2019 , 31, 1371-1410	22
663	Comparative molecular analysis of endurance exercise in vivo with electrically stimulated in vitro myotube contraction. 2019 , 127, 1742-1753	5
662	Excessive Accumulation of Ca in Mitochondria of Y522S-RYR1 Knock-in Mice: A Link Between Leak From the Sarcoplasmic Reticulum and Altered Redox State. 2019 , 10, 1142	6
661	Cytosolic ROS production by NADPH oxidase 2 regulates muscle glucose uptake during exercise. 2019 , 10, 4623	81
660	Extract Has an Effect on Muscle Damage and Lipid Peroxidation in Rats Submitted to High Intensity Strength Exercise?. 2019 , 16,	4
659	Nutrition and Athlete Immune Health: New Perspectives on an Old Paradigm. 2019 , 49, 153-168	38
658	Endophytes from ethno-pharmacological plants: Sources of novel antioxidants- A systematic review. 2019 , 22, 101430	7
657	Angiotensin-(1-7) exerts a protective action in a rat model of ventilator-induced diaphragmatic dysfunction. 2019 , 7, 8	6
656	Multi-Day Prolonged Low- to Moderate-Intensity Endurance Exercise Mimics Training Improvements in Metabolic and Oxidative Profiles Without Concurrent Chromosomal Changes in Healthy Adults. 2019 , 10, 1123	6
655	Myalgic encephalomyelitis/chronic fatigue syndrome: From pathophysiological insights to novel therapeutic opportunities. 2019 , 148, 104450	12

654	Short-term exercise training improves cardiac function associated to a better antioxidant response and lower type 3 iodothyronine deiodinase activity after myocardial infarction. 2019 , 14, e0222334	5
653	Effects of enzymatically modified isoquercitrin in supplementary protein powder on athlete body composition: a randomized, placebo-controlled, double-blind trial. 2019 , 16, 39	4
652	High intensity interval training and molecular adaptive response of skeletal muscle. 2019 , 1, 24-32	11
651	Glutathione and Nitric Oxide: Key Team Players in Use and Disuse of Skeletal Muscle. 2019 , 11,	18
650	Hydrogen Rich Water Improved Ventilatory, Perceptual and Lactate Responses to Exercise. 2019 , 40, 879-885	13
649	Babao Dan attenuates acute ethanol-induced liver injury via Nrf2 activation and autophagy. 2019 , 9, 80	8
648	Interventions targeted at oxidatively generated modifications of nucleic acids focused on urine and plasma markers. 2019 , 145, 256-283	10
647	Proteomics and metabolomics research in exercise and sport. 2019 , 539-566	2
646	Cachexia induced by cancer and chemotherapy yield distinct perturbations to energy metabolism. 2019 , 10, 140-154	80
645	Epigallocatechin Gallate Modulates Muscle Homeostasis in Type 2 Diabetes and Obesity by Targeting Energetic and Redox Pathways: A Narrative Review. 2019 , 20,	42
644	Mitochondrial oxidative stress impairs contractile function but paradoxically increases muscle mass via fibre branching. 2019 , 10, 411-428	32
643	The Effects of Quercetin Supplementation on Eccentric Exercise-Induced Muscle Damage. 2019 , 11,	23
642	Association of Gpx1 fluctuation in cell cycle progression. 2019 , 55, 94-103	2
641	Effect of hyperoxia on the immune status of oxygen divers and endurance athletes. 2019 , 53, 522-534	6
640	Effect of saffron (Crocus sativus L.) and endurance training on mitochondrial biogenesis, endurance capacity, inflammation, antioxidant, and metabolic biomarkers in Wistar rats. 2019 , 43, e12946	17
639	Independent and Combined Effects of All-Out Sprint and Low-Intensity Continuous Exercise on Plasma Oxidative Stress Biomarkers in Trained Judokas. 2019 , 10, 842	10
638	Time Domains of Hypoxia Adaptation-Elephant Seals Stand Out Among Divers. 2019 , 10, 677	7
637	Mediators of Physical Activity Protection against ROS-Linked Skeletal Muscle Damage. 2019 , 20,	43

636	High-Dose Astaxanthin Supplementation Suppresses Antioxidant Enzyme Activity during Moderate-Intensity Swimming Training in Mice. 2019 , 11,	11
635	Prior reproduction alters how mitochondria respond to an oxidative event. 2019 , 222,	2
634	Effects of concurrent exercise training on muscle dysfunction and systemic oxidative stress in older people with COPD. 2019 , 29, 1591-1603	20
633	Dietary Fuels in Athletic Performance. 2019 , 39, 45-73	12
632	Utility of preoperative exercise therapy in reducing postoperative morbidity after surgery; a clinical overview of current evidence. 2019 , 17, 395-412	2
631	Consumption of an Anthocyanin-Rich Extract Made From New Zealand Blackcurrants Prior to Exercise May Assist Recovery From Oxidative Stress and Maintains Circulating Neutrophil Function: A Pilot Study. 2019 , 6, 73	13
630	Overexpression of an antioxidant enzyme improves male mating performance after stress in a lek-mating fruit fly. 2019 , 286, 20190531	7
629	Blood Biomarkers in Sports Medicine and Performance and the Future of Metabolomics. 2019 , 1978, 431-446	4
628	Cellular and Molecular Basis of Mitochondrial Inheritance. 2019,	
627	Biomarker Effects in Exposure to Ofloxacin, Sulfamethoxazole and Ibuprofen. 2019 , 16,	10
626	Aerobic Exercise Improves Synaptic-Related Proteins of Diabetic Rats by Inhibiting FOXO1/NF-B/NLRP3 Inflammatory Signaling Pathway and Ameliorating PI3K/Akt Insulin Signaling Pathway. 2019 , 69, 28-38	12
625	Piceatannol markedly upregulates heme oxygenase-1 expression and alleviates oxidative stress in skeletal muscle cells. 2019 , 18, 100643	4
624	Prevention and Treatment of Alzheimer's Disease: Biological Mechanisms of Exercise. 2019 , 69, 311-338	24
623	Mitochondria and Aging-The Role of Exercise as a Countermeasure. 2019 , 8,	26
622	Retrograde response by reactive oxygen/nitrogen species in plants involving different cellular organelles. 2019 ,	2
621	Treadmill Exercise Ameliorates Chemotherapy-Induced Muscle Weakness and Central Fatigue by Enhancing Mitochondrial Function and Inhibiting Apoptosis. 2019 , 23, S32-39	14
620	Oxidative stress in biological systems and its relation with pathophysiological functions: the effect of physical activity on cellular redox homeostasis. 2019 , 53, 497-521	68
619	N-Acetyl cysteine does not improve repeated intense endurance cycling performance of well-trained cyclists. 2019 , 119, 1419-1429	4

618	Eccentric Muscle Contractions: Risks and Benefits. 2019 , 10, 536	88
617	Trimetazidine Attenuates Exhaustive Exercise-Induced Myocardial Injury in Rats via Regulation of the Nrf2/NF-B Signaling Pathway. 2019 , 10, 175	25
616	Flight muscle protein damage during endurance flight is related to energy expenditure but not dietary polyunsaturated fatty acids in a migratory bird. 2019 , 222,	12
615	Repeated oral dose toxicity study of nickel oxide nanoparticles in Wistar rats: a histological and biochemical perspective. 2019 , 39, 1012-1029	17
614	Shear Stress Ameliorates Superoxide Impairment to Erythrocyte Deformability With Concurrent Nitric Oxide Synthase Activation. 2019 , 10, 36	12
613	Microalga Scenedesmus bajacalifornicus BBKLP-07, a new source of bioactive compounds with in vitro pharmacological applications. 2019 , 42, 979-994	21
612	Resistance Training, Antioxidant Status, and Antioxidant Supplementation. 2019, 29, 539-547	9
611	The Significance of Lactoperoxidase System in Oral Health: Application and Efficacy in Oral Hygiene Products. 2019 , 20,	18
610	The early response of B -crystallin to a single bout of aerobic exercise in mouse skeletal muscles depends upon fiber oxidative features. 2019 , 24, 101183	14
609	Effect of spirulina supplementation on selected components of Th1/Th2 balance in rowers. 2019 , 30, 178-189	1
608	Effect of aerobic exercise, low-fat and high-fat diet on the testis tissue and sperm parameters in obese and nonobese mice model. 2019 , 51, e13273	11
60 7	Oxidative pathophysiology following volumetric muscle loss injury in a porcine model. 2019 , 126, 1541-1549	6
606	PPAR-Dagonist GL516 reduces oxidative stress and apoptosis occurrence in a rat astrocyte cell line. 2019 , 126, 239-245	19
605	Treatment with EUK-134 improves sarcoplasmic reticulum Ca release but not myofibrillar Ca sensitivity after fatiguing contraction of rat fast-twitch muscle. 2019 , 316, R543-R551	15
604	Biological markers for the effects of yoga as a complementary and alternative medicine. 2019 , 16,	13
603	Changes in Redox Signaling in the Skeletal Muscle with Aging. 2019 , 2019, 4617801	34
602	The effect of submaximal physical training along with vitamin c supplement towards hemoglobin levels to students of health and recreation department faculty of sport science padang state university. 2019 , 1317, 012101	1
601	Physical Exercise and Selective Autophagy: Benefit and Risk on Cardiovascular Health. 2019 , 8,	38

600	Anti-fatigue effect of anwulignan via the NRF2 and PGC-1&ignaling pathway in mice. 2019 , 10, 7755-7766	25
599	Salivary and Plasmatic Antioxidant Profile following Continuous, Resistance, and High-Intensity Interval Exercise: Preliminary Study. 2019 , 2019, 5425021	12
598	Oxidative stress in exercise training: the involvement of inflammation and peripheral signals. 2019 , 53, 1155-1165	28
597	Physiological Evaluation for Endurance Exercise Prescription in Sickle Cell Disease. 2019 , 51, 1795-1801	9
596	Protective effect of supplementation with Lycium ruthenicum Murray extract from exhaustive exercise-induced cardiac injury in rats. 2019 , 132, 1005-1006	3
595	Astaxanthin: A Potential Mitochondrial-Targeted Antioxidant Treatment in Diseases and with Aging. 2019 , 2019, 3849692	46
594	Serum bilirubin level is associated with exercise capacity and quality of life in chronic obstructive pulmonary disease. 2019 , 20, 279	8
593	Proteomic strategies to unravel age-related redox signalling defects in skeletal muscle. 2019 , 132, 24-32	10
592	Association of glutathione S-transferase M1 and T1 null/present polymorphism with physical performance in the Korean population. 2019 , 41, 71-78	О
591	Structural characterization of corn silk polysaccharides and its effect in HO induced oxidative damage in L6 skeletal muscle cells. 2019 , 208, 161-167	30
590	Small Molecule Oligopeptides Isolated from Walnut (L.) and Their Anti-Fatigue Effects in Mice. 2018 , 24,	26
589	Redox homeostasis in sport: do athletes really need antioxidant support?. 2019 , 27, 147-165	17
588	Omega-3 Polyunsaturated Fatty Acids: Benefits and Endpoints in Sport. 2018 , 11,	82
587	Crosstalk between mitochondrial dysfunction, oxidative stress, and age related neurodegenerative disease: Etiologies and therapeutic strategies. 2019 , 218, 165-184	128
586	The Anti-Inflammatory and Anti-Oxidant Mechanisms of the Keap1/Nrf2/ARE Signaling Pathway in Chronic Diseases. 2019 , 10, 637-651	210
585	Increased SOD2 in the diaphragm contributes to exercise-induced protection against ventilator-induced diaphragm dysfunction. 2019 , 20, 402-413	21
584	Endurance exercise protects skeletal muscle against both doxorubicin-induced and inactivity-induced muscle wasting. 2019 , 471, 441-453	14
583	The Role of Reactive Oxygen and Nitrogen Species in Skeletal Muscle. 2019 , 309-315	

582	Sympatho-Excitation in Heart Failure. 2019 , 561-580	2
581	Photobiomodulation by Led Does Not Alter Muscle Recovery Indicators and Presents Similar Outcomes to Cold-Water Immersion and Active Recovery. 2018 , 9, 1948	12
580	Mitochondria Inspire a Lifestyle. 2019 , 231, 105-126	6
579	Strength training enhances endothelial and muscular function in postmenopausal women. 2019 , 34, e147-e15	54 ₀
578	Time-course effects of antioxidants and phase II enzymes on diesel exhaust particles-induced oxidative damage in the mouse lung. 2019 , 366, 25-34	20
577	Association of PPARGC1A Gly428Ser (rs8192678) polymorphism with potential for athletic ability and sports performance: A meta-analysis. 2019 , 14, e0200967	8
576	Crickets increase sexual signalling and sperm protection but live shorter in the presence of rivals. 2019 , 32, 49-57	9
575	Effects of 2-aryl-1-cyano-1,2,3,4-tetrohydroisoquinolines on apoptosis induction mechanism in NB4 and MKN-45 cells. 2019 , 54, 295-303	2
574	Immune Function, Nutrition, and Exercise. 2019 , 83-95	2
573	Blood Rheology, Blood Flow, and Human Health. 2019 , 359-369	1
572	Energetic investment associated with vitellogenesis induces an oxidative cost of reproduction. 2019 , 88, 461-472	11
571	Irreversible plasma and muscle protein oxidation and physical exercise. 2019 , 53, 126-138	7
570	Biochemical changes in oxidative stress markers following endurance training and consumption of purslane seed in rats with hydrogen peroxide-induced toxicity. 2019 , 15, 133-139	2
569	Exercise-induced reductions in mitochondrial ADP sensitivity contribute to the induction of gene expression and mitochondrial biogenesis through enhanced mitochondrial HO emission. 2019 , 46, 116-122	14
568	Effects of exercise on brown and beige adipocytes. 2019 , 1864, 71-78	48
567	The antioxidant system in the soleus muscle of growing rats is stimulated by the administration of a low-protein/high-carbohydrate diet. 2019 , 125, 276-283	
566	Training session intensity affects plasma redox status in amateur rhythmic gymnasts. 2019, 8, 561-566	2
565	Comparative ameliorative effect of vitamin C, electrolyte and jaggery on transportation stress at different flocking densities in hot humid and winter seasons on erythrocytes of goats. 2020 , 51, 174-183	O

564	Catechins enhance skeletal muscle performance. 2020 , 60, 515-528	14
563	5-Hydroxymethylfurfural and Alpha-Ketoglutaric Acid as an Ergogenic Aid During Intensified Soccer Training: A Placebo Controlled Randomized Study. 2020 , 17, 161-172	
562	Not just fuel: energy stores are correlated with immune function and oxidative damage in a long-distance migrant. 2020 , 66, 21-28	16
561	Effect of Curcumin Supplementation on Exercise-Induced Oxidative Stress, Inflammation, Muscle Damage, and Muscle Soreness. 2020 , 17, 401-414	17
560	Effects of chronic treatment with gold nanoparticles on inflammatory responses and oxidative stress in Mdx mice. 2020 , 28, 46-54	11
559	A Double-Blind, Cross-Over Study to Examine the Effects of Maritime Pine Extract on Exercise Performance and Postexercise Inflammation, Oxidative Stress, Muscle Soreness, and Damage. 2020 , 17, 309-320	1
558	Antioxidants for preventing and reducing muscle soreness after exercise: a Cochrane systematic review. 2020 , 54, 74-78	15
557	Consequences on aging process and human wellness of generation of nitrogen and oxygen species during strenuous exercise. 2020 , 23, 14-22	12
556	DNA Damage Following Acute Aerobic Exercise: A Systematic Review and Meta-analysis. 2020 , 50, 103-127	25
555	High-intensity interval training modulates male factor infertility through anti-inflammatory and antioxidative mechanisms in infertile men: A randomized controlled trial. 2020 , 125, 154861	9
554	Mitochondrial ROS and Aging: Understanding Exercise as a Preventive Tool. 2020, 2, 15-24	3
553	Effect of purslane seed supplementation on inflammatory cytokines, oxidative stress and muscle damage in response to high-intensity intermittent exercise in national athlete runners. 2020 , 16, 47-54	
552	Therapeutic effects of iontophoresis with gold nanoparticles in the repair of traumatic muscle injury. 2020 , 28, 307-319	2
551	Effects of local cryotherapy for recovery of delayed onset muscle soreness and strength following exercise-induced muscle damage: systematic review and meta-analysis. 2020 , 16, 1-11	4
550	From phenoloxidase to fecundity: food availability does not influence the costs of oxidative challenge in a wing-dimorphic cricket. 2020 , 190, 17-26	5
549	Oxidative stress in skeletal muscle: Unraveling the potential beneficial and deleterious roles of reactive oxygen species. 2020 , 713-733	O
548	Differential IL 10 serum production between an arm-based and a leg-based maximal resistance test. 2020 , 126, 154915	1
547	Effects of phonophoresis with ibuprofen associated with gold nanoparticles in animal model of traumatic muscle injury. 2020 , 143, 105120	4

(2020-2020)

546	Effects of S-glutathionylation on the passive force-length relationship in skeletal muscle fibres of rats and humans. 2020 , 41, 239-250	5
545	Wild antelope skeletal muscle antioxidant enzyme activities do not correlate with muscle fibre type or oxidative metabolism. 2020 , 242, 110638	1
544	Neuroprotective effect of Convolvulus pluricaulis Choisy in oxidative stress model of cerebral ischemia reperfusion injury and assessment of MAP2 in rats. 2020 , 249, 112393	7
543	The effects of isoflavone supplementation plus combined exercise on salivary markers of oxidative stress in postmenopausal women. 2020 , 66, 43-48	3
542	Exercise-Induced Regulation of Redox Status in Cardiovascular Diseases: The Role of Exercise Training and Detraining. 2019 , 9,	15
541	How exercise induces oxidative eustress. 2020 , 447-462	2
540	Mutual Interactions among Exercise, Sport Supplements and Microbiota. 2019 , 12,	28
539	Physiological sex differences affect the integrative response to exercise: acute and chronic implications. 2020 , 105, 2007-2021	46
538	Acute and Chronic Catabolic Responses to. 2020 , 17,	4
537	Effects of Hyperbaric Oxygen Therapy on Inflammation, Oxidative/Antioxidant Balance, and Muscle Damage after Acute Exercise in Normobaric, Normoxic and Hypobaric, Hypoxic Environments: A Pilot Study. 2020 , 17,	7
536	On the mechanisms underlying attenuated redox responses to exercise in older individuals: A hypothesis. 2020 , 161, 326-338	5
535	Tebuconazole induced oxidative stress and histopathological alterations in adult rat heart. 2020 , 170, 104671	8
534	ABI(Euterpe oleracea Mart.) seed extract improves aerobic exercise performance in rats. 2020 , 136, 109549	4
533	Oral treatment with the Chinese herbal supplements B307 enhances muscle endurance of ICR mice after exhaustive swimming via suppressing fatigue, oxidative stress, and inflammation. 2020 , 8, 3682-3691	2
532	Antioxidants and Exercise Performance: With a Focus on Vitamin E and C Supplementation. 2020 , 17,	28
531	Targeted Antioxidants in Exercise-Induced Mitochondrial Oxidative Stress: Emphasis on DNA Damage. 2020 , 9,	10
530	The Interplay between Oxidative Stress, Exercise, and Pain in Health and Disease: Potential Role of Autonomic Regulation and Epigenetic Mechanisms. 2020 , 9,	11
529	Oleuropein Aglycone Peracetylated (3,4-DHPEA-EA(P)) Attenuates HO-Mediated Cytotoxicity in C2C12 Myocytes via Inactivation of p-JNK/p-c-Jun Signaling Pathway. 2020 , 25,	2

528	A High-Fructose Diet Formulated with Thermally Oxidized Monounsaturated Fat Aggravates Metabolic Dysregulation in Colon Epithelial Tissues of Rats. 2020 , 1-12	2
527	Sarcopenia: Molecular Pathways and Potential Targets for Intervention. 2020, 21,	13
526	Ischemia-Reperfusion Intervention: From Enhancements in Exercise Performance to Accelerated Performance Recovery-A Systematic Review and Meta-Analysis. 2020 , 17,	5
525	Accelerated senescence as a cost of reproduction: Testing associations between oxidative stress and reproductive effort in rural and urban women. 2021 , 33, e23537	
524	Effect of low-dose exposure of aluminium oxide nanoparticles in Swiss albino mice: Histopathological changes and oxidative damage. 2020 , 36, 567-579	8
523	2-Cys peroxiredoxin oxidation in response to hydrogen peroxide and contractile activity in skeletal muscle: A novel insight into exercise-induced redox signalling?. 2020 , 160, 199-207	8
522	Exercise-mediated downregulation of MALAT1 expression and implications in primary and secondary cancer prevention. 2020 , 160, 28-39	5
521	Skeletal muscle energy metabolism during exercise. 2020 , 2, 817-828	128
520	Mitochondrial threshold for HO release in skeletal muscle of mammals. 2020 , 54, 85-91	2
519	DNA damage in mononuclear cells following maximal exercise in sedentary and physically active lean and obese men. 2021 , 21, 1073-1082	4
518	Dietary antioxidants attenuate the endocrine stress response during long-duration flight of a migratory bird. 2020 , 287, 20200744	11
517	Involvement of steroid and antioxidant pathways in spleen-mediated immunity in migratory birds. 2020 , 250, 110790	2
516	Assessment of Serum Cytokines and Oxidative Stress Markers in Elite Athletes Reveals Unique Profiles Associated With Different Sport Disciplines. 2020 , 11, 600888	6
515	The Long History of Vitamin C: From Prevention of the Common Cold to Potential Aid in the Treatment of COVID-19. 2020 , 11, 574029	42
514	The superoxide scavenger tempol attenuates DNA oxidative injury and spontaneous pain-like behavior in chronic post-cast pain model rats. 2020 , 533, 745-750	
513	Effects of grape juice consumption on oxidative stress and inflammation in male volleyball players: A randomized, double-blind, placebo-controlled clinical trial. 2020 , 54, 102570	2
512	Antioxidants in Sport Sarcopenia. 2020 , 12,	2
511	Vitamin C and E Treatment Blunts Sprint Interval Training-Induced Changes in Inflammatory Mediator-, Calcium-, and Mitochondria-Related Signaling in Recreationally Active Elderly Humans. 2020 , 9,	10

(2020-2020)

510	Functional, proteomic and bioinformatic analyses of Nrf2- and Keap1- null skeletal muscle. 2020 , 598, 5427-5451	11
509	Delayed Motor Milestones Achievement in Infancy Associates with Perturbations of Amino Acids and Lipid Metabolic Pathways. 2020 , 10,	2
508	Dietary Thiols: A Potential Supporting Strategy against Oxidative Stress in Heart Failure and Muscular Damage during Sports Activity. 2020 , 17,	8
507	Immunoregulation induced by autologous serum collected after acute exercise in obese men: a randomized cross-over trial. 2020 , 10, 21735	3
506	Antioxidant and Biological Activities of Hydroxytyrosol and Homovanillic Alcohol Obtained from Olive Mill Wastewaters of Extra-Virgin Olive Oil Production. 2020 , 68, 15428-15439	3
505	Blood Profile of Cytokines, Chemokines, Growth Factors, and Redox Biomarkers in Response to Different Protocols of Treadmill Running in Rats. 2020 , 21,	8
504	The potential protective roles of zinc, selenium and glutathione on hypoxia-induced TRPM2 channel activation in transfected HEK293 cells. 2020 , 40, 521-530	7
503	Oxygen, life forms, and the evolution of sexes in multicellular eukaryotes. 2020 , 125, 1-14	6
502	Extract Attenuates the Fatigue Induced by Exhaustive Exercise through Inhibition of Oxidative Stress. 2020 , 9,	8
501	Do Antioxidant Vitamins Prevent Exercise-Induced Muscle Damage? A Systematic Review. 2020 , 9,	8
500	Effect of nocturnal melatonin intake on cellular damage and recovery from repeated sprint performance during an intensive training schedule. 2020 , 37, 686-698	5
499	Exercise-induced oxidative stress: Friend or foe?. 2020 , 9, 415-425	91
498	Non-invasive Assessment of Fecal Stress Biomarkers in Hunting Dogs During Exercise and at Rest. 2020 , 7, 126	4
497	Molecular and Cellular Aspects of Sarcopenia, Muscle Healthy Aging and Physical Conditioning in the Elderly. 2020 , 2, 246-257	4
496	Protection of melatonin against acidosis-induced neuronal injuries. 2020 , 24, 6928-6942	6
495	MitoQ and CoQ10 supplementation mildly suppresses skeletal muscle mitochondrial hydrogen peroxide levels without impacting mitochondrial function in middle-aged men. 2020 , 120, 1657-1669	14
494	Differential time responses in inflammatory and oxidative stress markers after a marathon: An observational study. 2020 , 38, 2080-2091	11
493	Antifatigue and antihypoxia activities of oligosaccharides and polysaccharides from Codonopsis pilosula in mice. 2020 , 11, 6352-6362	9

492	High Concentrations of Uric Acid and Angiotensin II Act Additively to Produce Endothelial Injury. 2020 , 2020, 8387654	8
491	Perioperative Exercise Therapy in Bariatric Surgery: Improving Patient Outcomes. 2020 , 13, 1813-1823	7
490	Sleep Loss Can Cause Death through Accumulation of Reactive Oxygen Species in the Gut. 2020 , 181, 1307-1328.e15	81
489	Inspiratory flow-resistive breathing, respiratory muscle-induced systemic oxidative stress, and diaphragm fatigue in healthy humans. 2020 , 129, 185-193	1
488	Exercise-Related Oxidative Stress as Mechanism to Fight Physical Dysfunction in Neuromuscular Disorders. 2020 , 11, 451	7
487	Whey for Sarcopenia; Can Whey Peptides, Hydrolysates or Proteins Play a Beneficial Role?. 2020 , 9,	10
486	A single session of physical activity restores the mitochondrial organization disrupted by obesity in skeletal muscle fibers. 2020 , 256, 117965	2
485	Daily Consumption of an Anthocyanin-Rich Extract Made From New Zealand Blackcurrants for 5 Weeks Supports Exercise Recovery Through the Management of Oxidative Stress and Inflammation: A Randomized Placebo Controlled Pilot Study. 2020 , 7, 16	18
484	Effects of vitamin C on oxidative stress, inflammation, muscle soreness, and strength following acute exercise: meta-analyses of randomized clinical trials. 2020 , 59, 2827-2839	18
483	Hydrogen peroxide as a signal for skeletal muscle adaptations to exercise: What do concentrations tell us about potential mechanisms?. 2020 , 35, 101484	11
482	Effects of high-intensity intermittent exercise on the contractile properties of human type I and type II skeletal muscle fibers. 2020 , 128, 1207-1216	11
481	Training with blood flow restriction increases femoral artery diameter and thigh oxygen delivery during knee-extensor exercise in recreationally trained men. 2020 , 598, 2337-2353	20
480	Effects of dietary protein and fat concentrations on hormonal and oxidative blood stress biomarkers in guide dogs during training. 2020 , 37, 86-92	2
479	Redox Signaling in Widespread Health Benefits of Exercise. 2020 ,	10
478	Plant-based eating patterns and endurance performance: A focus on inflammation, oxidative stress and immune responses. 2020 , 45, 123-132	7
477	Effect of Almond Supplementation on Non-Esterified Fatty Acid Values and Exercise Performance. 2020 , 12,	5
476	Exercise, redox homeostasis and the epigenetic landscape. 2020 , 35, 101477	17
475	Kinetics of the carotenoid concentration degradation of smoothies and their influence on the antioxidant status of the human skin in vivo during 8 weeks of daily consumption. 2020 , 81, 38-46	2

(2020-2020)

474	Outcomes Assessment of Sustainable and Innovatively Simple Lifestyle Modification at the Workplace - Drinking Electrolyzed-Reduced Water (OASIS-ERW): A Randomized, Double-Blind, Placebo-Controlled Trial. 2020 , 9,	3
473	Assessment of Dietary Intake and Nutritional Status in CrossFit-Trained Individuals: A Descriptive Study. 2020 , 17,	7
472	Total Dietary Antioxidant Intake Including Polyphenol Content: Is it Capable to Fight against Increased Oxidants within the Body of Ultra-Endurance Athletes?. 2020 , 12,	5
471	Mechanisms of exercise-induced preconditioning in skeletal muscles. 2020 , 35, 101462	8
470	Physical exercise and catecholamines response: benefits and health risk: possible mechanisms. 2020 , 54, 105-125	12
469	Functionalized Core-Shell Yttrium Oxide Nanoparticles as Antioxidants Agents in Heat Stressed Rats. 2020 , 198, 189-197	2
468	Effects of moderate and high intensity isocaloric aerobic training upon microvascular reactivity and myocardial oxidative stress in rats. 2020 , 15, e0218228	4
467	Effect of whole-body vibration exposures on physiological stresses: Mining heavy equipment applications. 2020 , 85, 103065	13
466	Compartmentalized muscle redox signals controlling exercise metabolism - Current state, future challenges. 2020 , 35, 101473	16
465	An integrative approach to the regulation of mitochondrial respiration during exercise: Focus on high-intensity exercise. 2020 , 35, 101478	18
464	Antioxidant supplements and endurance exercise: Current evidence and mechanistic insights. 2020 , 35, 101471	46
463	Hepato-Renal Protective Effects of Mangosteen (Garcinia mangostana L.) Pericarp Extract in Streptozotocin-induced Diabetic Mice. 2020 , 1445, 012018	3
462	Comparing the effects of resistance exercise type on serum levels of oxidative stress and muscle damage markers in resistance-trained women. 2020 , 16, 443-450	6
461	Training protocols differently affect AMPK-PGC-1貼ignaling pathway and redox state in trout muscle. 2020 , 243, 110673	4
460	Reductive stress in striated muscle cells. 2020 , 77, 3547-3565	19
459	Expression and functional analysis of the hydrogen peroxide biosensors HyPer and HyPer2 in C2C12 myoblasts/myotubes and single skeletal muscle fibres. 2020 , 10, 871	2
458	Circulating biomarkers of antioxidant status and oxidative stress in people with cystic fibrosis: A systematic review and meta-analysis. 2020 , 32, 101436	22
457	The role of mitochondria in redox signaling of muscle homeostasis. 2020 , 9, 386-393	15

456	Effects of phonophoresis with diclofenac linked gold nanoparticles in model of traumatic muscle injury. 2020 , 110, 110681	3
455	The Effects of Strength Training Combined with Vitamin C and E Supplementation on Skeletal Muscle Mass and Strength: A Systematic Review and Meta-Analysis. 2020 , 2020, 3505209	5
454	Improved Tetanic Force and Mitochondrial Calcium Homeostasis by Astaxanthin Treatment in Mouse Skeletal Muscle. 2020 , 9,	4
453	Mechanistic models to guide redox investigations and interventions in musculoskeletal ageing. 2020 , 149, 2-7	2
452	Strenuous Acute Exercise Induces Slow and Fast Twitch-Dependent NADPH Oxidase Expression in Rat Skeletal Muscle. 2020 , 9,	13
451	Plasma oxidative stress (hydrogen peroxide/trolox) responses during a 7-day road cycling stage race and a competitive football match in top-level athletes. 2020 , 16, 691-702	
450	Is Mitochondrial Oxidative Stress the Key Contributor to Diaphragm Atrophy and Dysfunction in Critically Ill Patients?. 2020 , 2020, 8672939	5
449	Effects of Tomato Juice Intake on Salivary 8-Oxo-dG Levels as Oxidative Stress Biomarker after Extensive Physical Exercise. 2020 , 2020, 8948723	2
448	Evaluation of the effects of different intensities of forced running wheel exercise on oxidative stress biomarkers in muscle, liver and serum of untrained rats. 2020 , 49, 119-125	8
447	Organosulfur Compounds: A Review of Their Anti-inflammatory Effects in Human Health. 2020 , 7, 64	27
446	Exercise Training Combined with OLP-01 Supplementation Improves Exercise Physiological Adaption and Performance. 2020 , 12,	13
445	Evolution of the Knowledge of Free Radicals and Other Oxidants. 2020 , 2020, 9829176	54
444	Effects of Aerobic-, Anaerobic- and Combined-Based Exercises on Plasma Oxidative Stress Biomarkers in Healthy Untrained Young Adults. 2020 , 17,	11
443	Mechanisms underlying performance impairments following prolonged static stretching without a comprehensive warm-up. 2021 , 121, 67-94	20
442	Oxidative stress mitigation by antioxidants - An overview on their chemistry and influences on health status. 2021 , 209, 112891	83
441	Cardiac autonomic recovery following traditional and augmented remote ischemic preconditioning. 2021 , 121, 265-277	1
440	Maternal exercise alters rat fetoplacental stress response: Minimal effects of maternal growth restriction and high-fat feeding. 2021 , 104, 57-70	1
439	Heat-induced endoplasmic reticulum stress in soleus and gastrocnemius muscles and differential response to UPR pathway in rats. 2021 , 26, 323-339	5

438	Acute aggressive behavior perturbates the oxidative status of a wild bird independently of testosterone and progesterone. 2021 , 128, 104913	5
437	Effects of 7-day intake of hydrogen-rich water on physical performance of trained and untrained subjects. 2021 , 38, 269-275	4
436	L-Glutamine and Physical Exercise Prevent Intestinal Inflammation and Oxidative Stress Without Improving Gastric Dysmotility in Rats with Ulcerative Colitis. 2021 , 44, 617-632	6
435	Cancer-induced Cardiac Atrophy Adversely Affects Myocardial Redox State and Mitochondrial Oxidative Characteristics. 2021 , 4, 3-15	8
434	Tart cherry and pomegranate supplementations enhance recovery from exercise-induced muscle damage: a systematic review. 2021 , 38, 97-111	5
433	How N-Acetylcysteine Supplementation Affects Redox Regulation, Especially at Mitohormesis and Sarcohormesis Level: Current Perspective. 2021 , 10,	2
432	Applications in nutrition: sport nutrition. 2021 , 525-550	
431	Ginseng ameliorates exercise-induced fatigue potentially by regulating the gut microbiota. 2021 , 12, 3954-3964	5
430	Evaluation of the Efficacy of Supplementation with Planox Lemon Verbena Extract in Improving Oxidative Stress and Muscle Damage: A Randomized Double-Blind Controlled Trial. 2021 , 18, 2641-2652	3
429	Mechanisms of decline in muscle quality in sarcopenia. 2021 , 295-322	O
428	Mechanism of CuSO cytotoxicity in goat erythrocytes after high-level in vitro exposure to isotonic media. 2021 , 208, 111730	
427	Swimming Program on Mildly Diabetic Rats in Pregnancy. 2021 , 28, 2223-2235	4
426	Astaxanthin for improved muscle function and enhanced physical performance. 2021, 447-467	О
425	Effects of Ashwagandha () on Physical Performance: Systematic Review and Bayesian Meta-Analysis. 2021 , 6,	7
424	Supplementation with Vitamins C and E and Exercise-Induced Delayed-Onset Muscle Soreness: A Systematic Review. 2021 , 10,	5
423	The deleterious effect of postpartum pyometra on the reproductive indices, the metabolic profile, and oxidant/antioxidant parameters of dairy cows. 2021 , 14, 329-338	
422	Exercise triggers CAPN1-mediated AIF truncation, inducing myocyte cell death in arrhythmogenic cardiomyopathy. 2021 , 13,	15
421	Hypochlorous acid decreases antioxidant power, inhibits plasma membrane redox system and pathways of glucose metabolism in human red blood cells. 2021 , 10, 264-271	O

Effects of Acute Taekwondo Exercise on Antioxidant Enzyme Activities, Serum Total Antioxidant Capacity, and Malondialdehyde Concentration in Adolescent Female Taekwondokas. **2021**, 8,

419	High-Intensity Exercise Training Protects the Brain Against Autoimmune Neuroinflammation: Regulation of Microglial Redox and Pro-inflammatory Functions. 2021 , 15, 640724	7
418	Oxidative stress: an evolving definition. 2021 , 10, 13	10
417	Antioxidant Effect of a Probiotic Product on a Model of Oxidative Stress Induced by High-Intensity and Duration Physical Exercise. 2021 , 10,	4
416	How do exercise training variables stimulate processes related to mitochondrial biogenesis in slow and fast trout muscle fibres?. 2021 , 106, 938-957	3
415	Antioxidant and Anti-Inflammatory Effects of White Mulberry (L.) Fruits on Lipopolysaccharide-Stimulated RAW 264.7 Macrophages. 2021 , 26,	6
414	Recovery from discrete wound severities in side-blotched lizards (Uta stansburiana): implications for energy budget, locomotor performance, and oxidative stress. 2021 , 191, 531-543	1
413	Fighting Bisphenol A-Induced Male Infertility: The Power of Antioxidants. 2021, 10,	9
412	Hydrogen Rich Water Consumption Positively Affects Muscle Performance, Lactate Response, and Alleviates Delayed Onset of Muscle Soreness After Resistance Training. 2021 ,	2
411	Creatine Supplementation, Physical Exercise and Oxidative Stress Markers: A Review of the Mechanisms and Effectiveness. 2021 , 13,	7
410	The Effect of Red Dragon Fruit on Tumor Necrosis Factor-﴿{TNF-∄Tiggered by Sub-maximal Exercise. 2021 , 1819, 012016	
409	Brass Alloys: Copper-Bottomed Solutions against Hospital-Acquired Infections?. 2021 , 10,	6
408	Uncovering the Role of Oxidative Imbalance in the Development and Progression of Bronchial Asthma. 2021 , 2021, 6692110	7
407	Are mitochondria the main contributor of reactive oxygen species in cells?. 2021 , 224,	14
406	An Antioxidant Nanoparticle Enhances Exercise Performance in Rat High-intensity Running Models. 2021 , 10, e2100067	1
405	The mechanism and prevention of mitochondrial injury after exercise. 2021 , 77, 215-225	0
404	Physical Activity and Redox Balance in the Elderly: Signal Transduction Mechanisms. 2021 , 11, 2228	1
403	⊞Mangosteen from Garcinia Mangostana Linn and its Effect in Blood Insulin and Sugar Levels in Hyperglycemic Rat. 2021 , 12, em00770	

402	Effect of Tai Chi on Markers of Oxidative Stress: Systematic Review and Meta-Analysis. 2021, 18,	4
401	Evidence-based post exercise recovery in combat sports: a narrative review. 2021 , 61, 386-400	1
400	The Role of Innate and Adaptive Immune Cells in Skeletal Muscle Regeneration. 2021, 22,	8
399	Pro-Oxidant/Antioxidant Balance during a Prolonged Exposure to Moderate Altitude in Athletes Exhibiting Exercise-Induced Hypoxemia at Sea-Level. 2021 , 11,	2
398	The Role of Skeletal Muscles in Exertional Heat Stroke Pathophysiology. 2021 , 42, 673-681	2
397	Attractin deficiency causes metabolic and morphological abnormalities in slow-twitch muscle. 2021 , 384, 745-756	2
396	The Regulatory Role of Oxygen Metabolism in Exercise-Induced Cardiomyocyte Regeneration. 2021 , 9, 664527	1
395	Role of nitration in control of phosphorylase and glycogenolysis in mouse skeletal muscle. 2021 , 320, E691-E701	1
394	Does vitamin C minimise exercise-induced oxidative stress?. 2021 , 17, 505-533	1
393	Effects of acute lying and sleep deprivation on metabolic and inflammatory responses of lactating dairy cows. 2021 , 104, 4764-4774	O
392	Complexed trace mineral supplementation alters antioxidant activities and expression in response to trailer stress in yearling horses in training. 2021 , 11, 7352	1
391	Mitochondrial Dysfunction Is a Common Denominator Linking Skeletal Muscle Wasting Due to Disease, Aging, and Prolonged Inactivity. 2021 , 10,	11
390	Post-resistance exercise photobiomodulation therapy has a more effective antioxidant effect than pre-application on muscle oxidative stress. 2021 , 20, 585-595	1
389	Re-Evaluating the Oxidative Phenotype: Can Endurance Exercise Save the Western World?. 2021 , 10,	3
388	Beneficial Role of Exercise in the Modulation of Muscle Plastic Remodeling and Oxidative Stress. 2021 , 10,	2
387	Effect of propolis supplementation on athletic performance, body composition, inflammation, and oxidative stress following intense exercise: A triple-blind randomized clinical trial. 2021 , 9, 3631-3640	1
386	Quantifying the costs of pre- and postcopulatory traits for males: Evidence that costs of ejaculation are minor relative to mating effort. 2021 , 5, 315-327	2
385	Exercise training has morph-specific effects on telomere, body condition and growth dynamics in a color-polymorphic lizard. 2021 , 224,	4

384	Effects of caffeine ingestion on psychomotor state and oxidative stress markers after an 8-km run competition in sleep-deprived recreational runners. 1-13	1
383	Obesity and aging: Molecular mechanisms and therapeutic approaches. 2021 , 67, 101268	15
382	Biocatalytic and Antioxidant Nanostructures for ROS Scavenging and Biotherapeutics. 2021, 31, 2101804	16
381	Short-term ubiquinol-10 supplementation alleviates tissue damage in muscle and fatigue caused by strenuous exercise in male distance runners. 2021 , 91, 261-270	4
380	Broad Spectrum Polyphenol Supplementation from Tart Cherry Extract on Markers of Recovery from Intense Resistance Exercise. 2021 , 18, 47	1
379	Mechanisms of Physical Fatigue and its Applications in Nutritional Interventions. 2021 , 69, 6755-6768	4
378	Walking Exercise Therapy Effects on Lower Extremity Skeletal Muscle in Peripheral Artery Disease. 2021 , 128, 1851-1867	7
377	The Effect of Nitrate-Rich Beetroot Juice on Markers of Exercise-Induced Muscle Damage: A Systematic Review and Meta-Analysis of Human Intervention Trials. 2021 , 1-23	3
376	Redox-related biomarkers in physical exercise. 2021 , 42, 101956	10
375	Effects of Vitamin E and Coenzyme Q Supplementation on Oxidative Stress Parameters in Untrained Leisure Horses Subjected to Acute Moderate Exercise. 2021 , 10,	2
374	Effect of Oxidative Stress on Diaphragm Dysfunction and Exercise Intervention in Chronic Obstructive Pulmonary Disease. 2021 , 12, 684453	1
373	SHORT-TERM HIIT DOES NOT PROMOTE OXIDATIVE STRESS OR MUSCLE DAMAGE. 2021 , 27, 138-141	
372	Upper and lower limb resistance training program versus high-intensity interval training on oxidative stress markers in university athletes. 2021 , 17, 198-206	2
371	Skeletal muscle-specific Keap1 disruption modulates fatty acid utilization and enhances exercise capacity in female mice. 2021 , 43, 101966	2
370	Redox balance during exercise in the heat in healthy adults: A systematic review. 2021 , 99, 102943	1
369	Nitrogen Dioxide Concentrations in the Air in Increasing Superoxide Dismutase Enzyme and Malondialdehyde Serum Levels in Bus Terminal Officers. 2021 , 13, 166	
368	Short-term intensified training temporarily impairs mitochondrial respiratory capacity in elite endurance athletes. 2021 , 131, 388-400	1
367	Redox interactions of immune cells and muscle in the regulation of exercise-induced pain and analgesia: implications on the modulation of muscle nociceptor sensory neurons. 2021 , 55, 757-775	O

(2021-2021)

366	Protein Composition of Circulating Extracellular Vesicles Immediately Changed by Particular Short Time of High-Intensity Interval Training Exercise. 2021 , 12, 693007	1
365	Whole-Body Cryotherapy Increases the Activity of Nitric Oxide Synthase in Older Men. 2021 , 11,	1
364	. 2021,	
363	Curcumin as Prospective Anti-Aging Natural Compound: Focus on Brain. 2021, 26,	13
362	Transcranial Magnetic Stimulation Improves Muscle Involvement in Experimental Autoimmune Encephalomyelitis. 2021 , 22,	1
361	Oxidized LDL-dependent pathway as new pathogenic trigger in arrhythmogenic cardiomyopathy. 2021 , 13, e14365	3
360	Intestinal Microbiota, Anti-Inflammatory, and Anti-Oxidative Status of Broiler Chickens Fed Diets Containing Mushroom Waste Compost By-Products. 2021 , 11,	Ο
359	Reactive oxygen species in exercise and insulin resistance: Working towards personalized antioxidant treatment. 2021 , 44, 102005	7
358	Acute caffeine ingestion improves 3-km run performance, cognitive function, and psychological state of young recreational runners. 2021 , 207, 173219	3
357	A Mixed Comparisons of Different Intensities and Types of Physical Exercise in Patients With Diseases Related to Oxidative Stress: A Systematic Review and Network Meta-Analysis. 2021 , 12, 700055	5
356	The Involvement of the Oxidative Stress Status in Cancer Pathology: A Double View on the Role of the Antioxidants. 2021 , 2021, 9965916	14
355	Hypoxia combined with chilling maintains the quality of irradiated Drosophila flies: a simulated shipment experiment. 1-13	
354	The Importance of Lipidomic Approach for Mapping and Exploring the Molecular Networks Underlying Physical Exercise: A Systematic Review. 2021 , 22,	1
353	Gold Nanoparticles: Multifaceted Roles in the Management of Autoimmune Disorders. 2021 , 11,	4
352	iAnt: Combination of Convolutional Neural Network and Random Forest Models using PSSM and BERT Features to Identify Antioxidant Proteins. 2021 , 16,	1
351	Mitochondria-targeted antioxidant supplementation improves 8 km time trial performance in middle-aged trained male cyclists. 2021 , 18, 58	6
350	Antioxidant Effects of Resistance Training with Pumpkin Seed Extract Consumption in Heart Tissue of Rats Exposed to H2O2-induced Oxidative Damage. 2021 , 23,	
349	Consumption of New Zealand Blackcurrant Extract Improves Recovery from Exercise-Induced Muscle Damage in Non-Resistance Trained Men and Women: A Double-Blind Randomised Trial. 2021 , 13,	1

348	Promoting a pro-oxidant state in skeletal muscle: Potential dietary, environmental, and exercise interventions for enhancing endurance-training adaptations. 2021 , 176, 189-202	3
347	Oxidative Stress and Inflammation, MicroRNA, and Hemoglobin Variations after Administration of Oxygen at Different Pressures and Concentrations: A Randomized Trial. 2021 , 18,	6
346	Post-exercise Recovery: Cooling and Heating, a Periodized Approach. 2021 , 3, 707503	2
345	Bilateral Deficits during Maximal Grip Force Production in Late Postmenopausal Women. 2021 , 11, 8426	O
344	The Effect of Submaximal Exercise Followed by Short-Term Cold-Water Immersion on the Inflammatory State in Healthy Recreational Athletes: A Cross-Over Study. 2021 , 10,	1
343	Trans-resveratrol supplement lowers lipid peroxidation responses of exercise in male Wistar rats. 2021 , 91, 507-512	3
342	Effect of Phonophoresis and Copaiba Oil on Oxidative Stress Biomarkers after Skeletal Muscle Injury in Rats. 2021 , 47, 2657-2663	
341	Physical Fitness and Skeletal Muscle Mass During Neoadjuvant Chemoradiotherapy in Patients with Locally Advanced Rectal Cancer: An Observational Study. 2021 , 39, E73-E82	
340	L-Citrulline Supplementation and Exercise in the Management of Sarcopenia. 2021 , 13,	1
339	A new cerebral ischemic injury model in rats, preventive effect of gallic acid and approaches. 2021 , 28, 5204-5213	1
338	Effect of 1-week Calendula officinalis consumption before high-intensity interval exercise on some delayed onset muscle soreness (DOMS) elements in male rowers. 2021 , 17, 493-500	
337	The effects of phosphocreatine disodium salts plus blueberry extract supplementation on muscular strength, power, and endurance. 2021 , 18, 60	
336	Changes in blood antioxidant status in American football players and soccer players over a training macrocycle. 2021 , 19, 229-233	О
335	Endurance training alleviates MCP-1 and TERRA accumulation at old age in human skeletal muscle. 2021 , 153, 111510	1
334	Effects of Exercise-Induced ROS on the Pathophysiological Functions of Skeletal Muscle. 2021 , 2021, 3846122	6
333	Effects of Euterpe edulis Martius on inflammatory responses to high-intensity intermittent exercise: Crossover randomized trial. 2021 , 91-92, 111344	2
332	Regulation of neuroinflammation, resolution, and neuroprotection by aerobic exercise, yoga, and Tai Chi. 2022 , 221-247	
331	Acute effect of high-intensity interval training exercise on redox status in the ovaries of rats fed a high-fat diet. 2021 , 33, 713-724	1

330	Biomarker responses of cardiac oxidative stress to high intensity interval training in rats. 27,	1
329	Grape polyphenols supplementation for exercise-induced oxidative stress. 2021 , 18, 3	16
328	Stamina-Enhancing Effects of Human Adipose-Derived Stem Cells. 2021 , 30, 9636897211035409	
327	Effect of Running Exercise on Oxidative Stress Biomarkers: A Systematic Review. 2020 , 11, 610112	9
326	Comparison of respiratory muscle strength and endurance, maximal oxygen consumption, and fatigue in colorectal cancer survivors with healthy adults. 2021 , 29, 3903-3909	3
325	Anti-inflammatory/Oxidative Stress Proteins and Peptides. 13-27	4
324	Oxidative Stress and Respiratory Muscle Dysfunction. 2014 , 225-243	1
323	Hormonal Changes Associated with Physical Activity and Exercise Training. 2016 , 125-143	1
322	Reactive Oxygen and Nitrogen Species in Cardiovascular Differentiation of Stem Cells. 2010, 61-85	1
321	Influence of Antioxidants on Leptin Metabolism and its Role in the Pathogenesis of Obesity. 2017 , 960, 399-413	6
320	Free Radicals 🖎 Evolutionary Perspective. 2014 , 39-64	4
319	Excitation-Contraction Coupling Regulation in Aging Skeletal Muscle. 2011 , 113-134	5
318	Increased nuclear permeability is a driver for age-related motoneuron loss. 2020, 42, 833-847	1
317	Chapter 4:HO-1-derived CO Is a Regulator of Vascular Function and Metabolic Syndrome. 2018 , 59-100	1
316	Physical activity and markers of glycation in older individuals: data from a combined cross-sectional and randomized controlled trial (EXAMIN AGE). 2020 , 134, 1095-1105	2
315	Quantitative Redox Biology of Exercise. 2020 , 41, 633-645	4
314	Acute aggressive behavior perturbates the oxidative status of a wild bird independently of testosterone and progesterone.	1
313	Cytosolic ROS production by NADPH oxidase 2 regulates muscle glucose uptake during exercise.	2

312	No Effect of New Zealand Blackcurrant Extract on Recovery of Muscle Damage Following Running a Half-Marathon. 2020 , 30, 287-294	4
311	Acute Consumption of Varied Doses of Cocoa Flavanols Does Not Influence Exercise-Induced Muscle Damage. 2020 , 30, 338-344	1
310	Hydrogen-Rich Water Supplementation and Up-Hill Running Performance: Effect of Athlete Performance Level. 2020 , 1-4	5
309	What is more damaging to vascular endothelial function: Diabetes, age, high BMI, or all of the above?. 2013 , 19, 257-63	16
308	CoQ10 and endothelial function in Asians from Korea compared to Asians born in the United States and US born Caucasians. 2013 , 19, 339-46	6
307	Effects of N-acetylcysteine supplementation on cellular damage and oxidative stress indicators in volleyball athletes. 2018 , 14, 802-809	4
306	The effects of low-pressure hyperbaric oxygen treatment before and after maximal exercise on lactate concentration, heart rate recovery, and antioxidant capacity. 2018 , 14, 980-984	7
305	Ectopic catalase expression in mitochondria by adeno-associated virus enhances exercise performance in mice. 2009 , 4, e6673	24
304	Reduced coupling of oxidative phosphorylation in vivo precedes electron transport chain defects due to mild oxidative stress in mice. 2011 , 6, e26963	32
303	Supplementation with lipoic acid, CoQ10, and vitamin E augments running performance and mitochondrial function in female mice. 2013 , 8, e60722	30
302	Accessibility of myofilament cysteines and effects on ATPase depend on the activation state during exposure to oxidants. 2013 , 8, e69110	15
301	Treadmill exercise induces neutrophil recruitment into muscle tissue in a reactive oxygen species-dependent manner. An intravital microscopy study. 2014 , 9, e96464	41
300	Oxidative stress in endurance flight: an unconsidered factor in bird migration. 2014 , 9, e97650	66
299	Oxidative stress in patients with type 1 diabetes mellitus: is it affected by a single bout of prolonged exercise?. 2014 , 9, e99062	15
298	Oxaliplatin neurotoxicity involves peroxisome alterations. PPAR agonism as preventive pharmacological approach. 2014 , 9, e102758	54
297	Synergistic and antagonistic interplay between myostatin gene expression and physical activity levels on gene expression patterns in triceps Brachii muscles of C57/BL6 mice. 2015 , 10, e0116828	8
296	Effect of Strength Training on Oxidative Stress and the Correlation of the Same with Forearm Vasodilatation and Blood Pressure of Hypertensive Elderly Women: A Randomized Clinical Trial. 2016 , 11, e0161178	24
295	Quercetin Inhibits Peripheral and Spinal Cord Nociceptive Mechanisms to Reduce Intense Acute Swimming-Induced Muscle Pain in Mice. 2016 , 11, e0162267	30

294	Global Proteome Changes in the Rat Diaphragm Induced by Endurance Exercise Training. 2017 , 12, e0171007	23
293	EFFECTS OF AEROBIC EXERCISE TRAINING ON OXIDATIVE STRESS IN THE SKELETAL MUSCLES OF OBESE RATS. 2019 , 25, 404-408	1
292	Resistance training improves the lipid profile, combat oxidative stress and inhibit MMP-2 activity in the left ventricle diet-induced obese rats. 2020 , 26,	1
291	Effect of coenzyme Q10 Supplementation on Exercise-Induced Response of Oxidative Stress and Muscle Damage Indicators in Male Runners. 2015 , 17,	4
290	Reactive Oxygen Species, Biomarkers of Microvascular Maturation and Alveolarization, and Antioxidants in Oxidative Lung Injury. 2018 , 6, 373-388	7
289	Nutrition and exercise in Pompe disease. 2019 , 7, 282	4
288	C60 fullerenes increase the intensity of rotational movements in non-anesthetized hemiparkinsonic rats. 2020 , 80, 32-37	2
287	Coordination between nitric oxide and superoxide anion radical during progressive exercise in elite soccer players. 2010 , <i>4</i> , 100-6	7
286	Status of Ischemia Modified Albumin in Athletes Before and After Moderate Exercise. 2018, 8, 42-46	1
285	The effects of mid- and long-term endurance exercise on heart angiogenesis and oxidative stress. 2018 , 21, 800-805	5
284	Effects of acute exercise on atherogenic lipids in untreated mild hypertensive patients. 2009, 66, 313-8	5
283	Hydrogen water intake may suppress liver glycogen utilization without affecting redox biomarkers during exercise in rats. 2019 , 178,	2
282	Effects of Eight Weeks of Aerobic Exercise on Markers of Oxidative Stress in Elderly Women. 2018 , 12, 17-23	1
281	Are S-Klothol Maximal concentrations dependent on Exercise Intensity and Time in young adult males?. 2019 , 4, 006-011	1
280	Allopurinol intake does not modify the slow component of V(.)O(2) kinetics and oxidative stress induced by severe intensity exercise. 2012 , 61, 89-96	5
279	Changes in oxidative stress and acid-base balance in men and women following maximal-intensity physical exercise. 2015 , 64, 93-102	15
278	Endothelial glycocalyx integrity is preserved in young, healthy men during a single bout of strenuous physical exercise. 2016 , 65, 281-91	15
277	The Effects of Asparagus Racemosus Supplementation Plus 8 Weeks of Resistance Training on Muscular Strength and Endurance. 2020 , 5,	4

276	Beneficial Effect of Ubiquinol on Hematological and Inflammatory Signaling during Exercise. 2020 , 12,	6
275	Ethanol Extract of Ganoderma lucidum Augments Cellular Anti-oxidant Defense through Activation of Nrf2/HO-1. 2016 , 19, 59-69	19
274	ameliorates exhaustive exercise-induced fatigue in mice by suppressing mitophagy in skeletal muscle. 2020 , 20, 3161-3173	11
273	Effect of daily supplementation with ubiquinol on muscle coenzyme Q10 concentrations in Thoroughbred racehorses. 2019 , 15, 219-226	3
272	Reactive oxygen species, health and longevity. 2016 , 3, 479-504	2
271	Neuroprotective effect of pretreatment with ganoderma lucidum in cerebral ischemia/reperfusion injury in rat hippocampus. 2014 , 9, 1446-52	31
270	Effects of creatine monohydrate supplementation on exercise-induced apoptosis in athletes: A randomized, double-blind, and placebo-controlled study. 2015 , 20, 733-8	8
269	Hydrogen-rich water suppresses the reduction in blood total antioxidant capacity induced by 3 consecutive days of severe exercise in physically active males. 2020 , 10, 21-26	6
268	Analyzing Nootropic Effect of <i>Phyllanthus reticulatus</i> Poir. on Cognitive Functions, Brain Antioxidant Enzymes and Acetylcholinesterase Activity against Aluminium-Induced Alzheimer Model in Rats: Applicable for Controlling the Risk Factors of Alzheimer Disease. 2016,	12
267	05, 87-102 Administration of Tomato Juice or Aqueous Components of Tomato Reduces Fatigue Induced by Acute Treadmill Exercise. 2016 , 07, 524-532	1
266	Vitamin C Supplementation Reduces Exercise-Induced Oxidative Stress and Increases Peak Muscular Force. 2017 , 08, 812-822	3
265	Punica granatum juice effects on oxidative stress in severe physical activity. 2015 , 27, 48-51	3
264	Influence of a low-dose cox-2 inhibitor drug on exercise-induced inflammation, muscle damage and lipid peroxidation. 2013 , 30, 61-5	5
263	THE COMBINATION OF LIPOIC ACID INTAKE WITH ECCENTRIC EXERCISE MODULATES ERYTHROPOIETIN RELEASE. 2014 , 31, 179-85	4
262	Influence of Curcumin Supplementation on Exercise-Induced Oxidative Stress. 2016, 8,	1
261	Useful Effects of Curcumin Supplementation on Gastric Superoxide Dismutase Activity and Serum Malondialdehyde Level During Endurance Training in Male Wistar Rats. 2020 , 22,	2
260	Quercetin Enhances Endurance Capacity via Antioxidant Activity and Size of Muscle Fibre Type 1.	4
259	Effects of ovariectomy and resistance training on oxidative stress markers in the rat liver. 2013 , 68, 1247-54	16

(2011-2017)

258	Melatonin Supplementation Ameliorates Energy Charge and Oxidative Stress Induced by Acute Exercise in Rat Heart Tissue. 2017 , 33, 530-538	9
257	Protective effect of fruit extracts against hydrogen peroxide-induced oxidative stress in muscle progenitors and zebrafish embryos. 2017 , 5, e4144	9
256	Effects of Aerobic Exercise on Oxidative Stress in Patients Diagnosed with Cancer: A Narrative Review. 2019 , 11, e5382	1
255	Antioxidant Activity of the Halophyte Ligustrum japonicum. 2015 , 30, 275-282	2
254	Change in Oxidative Stress of Normotensive Elderly Subjects Following Lifestyle Modifications. 2016 , 10, CC09-CC13	3
253	Supplementation with Prevents Uterine Diseases Related to Muscle Reactivity and Oxidative Stress in Rats Undergoing Strength Training. 2021 , 13,	1
252	Genetically Encoded Biosensors to Monitor Intracellular Reactive Oxygen and Nitrogen Species and Glutathione Redox Potential in Skeletal Muscle Cells. 2021 , 22,	0
251	Flight training and dietary antioxidants have mixed effects on the oxidative status of multiple tissues in a female migratory songbird. 2021 , 224,	1
250	Comparison between cryotherapy and photobiomodulation in muscle recovery: a systematic review and meta-analysis. 2021 , 1	2
249	The effect of ingestion of red dragon fruit extract on levels of malondialdehyde and superoxide dismutase after strenuous exercise in rats (Rattus norvegicus). 10, 1061	O
248	Micronutrients and athletic performance: A review. 2021 , 158, 112618	0
247	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?. 2021 , 177, 88-99	2
246	The effects of antioxidants treatment on training induced insulin-stimulated glucose transport activity in muscle 2010 , 19, 311-320	
245	Reactive Oxygen Species Generation and Skeletal Muscle Wasting Implications for Sarcopenia. 2011 , 317-331	
244	Models and Approaches for the Study of Reactive Oxygen Species Generation and Activities in Contracting Skeletal Muscle. 2011 , 511-519	
243	Exercise as a Model to Study Oxidative Stress. 2011 , 531-542	O
242	Free Radicals, Oxidative Stress, and Cardiovascular Disease. 2012 , 111-125	
241	Effect of antioxidant enzymes, malondialdehyde, and respiratory variables of college judo athletes following maximal exercise. 2011 , 13, 199-208	

240	Impact of Life Style Factors on Oxidative Stress. 2013 , 335-358	
239	Measurement of oxidatively generated base damage to nucleic acids in cells: facts and artifacts. 2013 , 269-288	
238	Exercise and oxidative stress in hypoxia. 2013 , 2, 481-486	1
237	The Sirtuins in Aging and Metabolic Regulation. 2013 , 04, 668-677	
236	Physiology of the Athlete. 2013 , 757-771	
235	Role of Antioxidant Signaling in Mitochondrial Adaptation to Muscle Contraction. 2014 , 3117-3140	
234	Coping with Physical Activity and Inactivity. 2014 , 143-170	
233	Mitochondrial Function in Lung Health and Disease. 2014 , 161-176	
232	Oxidative Stress in Skeletal Muscle Function and Dysfunction. 2014, 373-390	
231	Cancer Cachexia and its Relationship with Free Radicals. 2014 , 668-685	
230	A Tutorial on Oxidative Stress and Redox Signaling with Application to Exercise and Sedentariness. 2015 , 2,	
229	Metabolic and Antioxidant Adaptation to Exercise: Role of Redox Signaling. 2015 , 101-125	
228	Oxidative Stress and Fasting. 2015 , 161-182	
227	An Approach to Identify Single Nucleotide Polymorphisms in the Period Circadian Clock 3 (PER3) Gene and Proposed Functional Associations with Exercise Training in a Thoroughbred Horse. 2015 , 25, 1304-1310	
226	The Effect of Endurance Swimming Plus Vitamin C Supplement on Oxidative Stress and Muscles Damage Indices in Male Wistar Rats. 2016 , In Press,	
225	Metabolic Interplay of Hepatic Enzymes 🗗 Case Report. 2016 , 23, 169-175	
224	Hormesis. 2016 , 1-22	
223	Supplements in Football. 2017 , 607-630	0

The acute toxicity of Oxydemeton-methyl in zebrafish.

221	A genetic-based algorithm for recovery: A pilot study.	
220	NADPH Oxidase and Xanthine Oxidase Inhibition Attenuates the Activation of AMPK Signaling After a Single Bout of Endurance Exercise in Mouse Skeletal Muscle. 2018 , 64, 107-113	
219	Kadar Malondialdehid tikus model Sindroma Ovarium Polikistik dengan daun kelor (Moringa oleifera). 2018 , 19, 224	1
218	Effects of moderate and high intensity isocaloric aerobic training upon microvascular reactivity and myocardial oxidative stress in rats.	
217	Effect of Simultaneous Eight-Week Exercise and Crocin Usage on the Oxidation and Anti-oxidation Indices of Male Rats Testicles Subjected to Apoptosis. 2019 , 8,	O
216	IN DD IIII և IIIII և IIII DD II 2019, 173-178	
215	Acute effect of a maximum incremental test until exhaustion on malondialdehyde and antioxidant vitamins in plasma and erythrocytes in athletes. 2021 , 38, 374-382	
214	Impact of hydrogen-rich gas mixture inhalation through nasal cannula during post-exercise recovery period on subsequent oxidative stress, muscle damage, and exercise performances in men. 2020 , 10, 155-162	1
213	Discriminatory cytokine profiles predict muscle function, fatigue and cognitive function in patients with Myalgic Encephalomyelitis/Chronic Fatigue Syndrome (ME/CFS).	
212	Bioelectrical Phase Angle, Muscle Damage Markers and Inflammatory Response After a Competitive Match in Professional Soccer Players. 2021 , 28, 8-13	0
211	18Eglycyrrhetinic acid improves high-intensity exercise performance by promoting glucose-dependent energy production and inhibiting oxidative stress in mice. 2021 , 35, 6932	1
210	The Impact of Dehydration and Hyperthermia on Circulatory Glutathione Metabolism after Exercise in the Heat with Insights into the Role of Erythrocytes. 2021 , 11,	0
209	The Role of Nrf2 in Skeletal Muscle on Exercise Capacity. 2021 , 10,	1
208	Exercise-Mediated Browning of White Adipose Tissue: Its Significance, Mechanism and Effectiveness. 2021 , 22,	3
207	Cardiac Troponin Elevation After Long-Distance Cycling is Associated with Oxidative Stress and Exercise Intensity: An Observational Study. 2020 , 11,	
206	Influence of physical activity on structure and function of the RyR1 calcium channel: a systematic review. 2020 , 179,	
205	Exercise training in a color-polymorphic lizard reveals differential effects of mating tactics and color morphs on telomere, body condition and growth dynamics.	

204	Technical match actions and plasma stress markers in elite female football players during an official FIFA Tournament. 2020 ,	O
203	Effect of Gene Polymorphisms in Antioxidant Enzymes on Oxidative-Antioxidative Status in Young Men. 2020 , 27, 7-13	1
202	Aerobic Exercises Induce Antioxidant Pathways Activation in Rats. 2020, 11, 144	2
201	Redox Signaling. 2020, 1-10	
200	Muskelaktivittl [Muskelinaktivittl anti-nozizeptive oder pro-nozizeptive Kliperstrukur. 2020 , 121-143	
199	Immediate Posttreatment Period. 2020 , 249-265	1
198	The potential of probiotics of malozndialdehide and gonadosomatic index of Tilapia (Oreochromis Niloticus) after exposure of cadmium. 456, 012070	1
197	Acute CrossFit ^[] Workout Session Impacts Blood Redox Marker Modulation. 2021 , 1, 13-21	O
196	The Influence of Continuous and Interval Aerobic Training on the Oxidative Status of Woman Basketball Players. 2020 , 21, 201-207	1
195	Effect of Three Half-Squat Protocols on the Tensiomyographic Twitch Response and Tissue Damage of the Rectus Femoris and the Biceps Femoris. 2020 , 75, 15-27	O
194	Impaired oxidative phosphorylation in overtrained rat myocardium. 2010, 15, e116-27	11
193	Effects of Six Weeks of Falanine Administration on VO(2) max, Time to Exhaustion and Lactate Concentrations in Physical Education Students. 2012 , 3, 559-63	18
192	Effect of ginger and cinnamon intake on oxidative stress and exercise performance and body composition in Iranian female athletes. 2013 , 4, S31-5	9
191	Effects of Siraitia grosvenorii Fruits Extracts on Physical Fatigue in Mice. 2013 , 12, 115-21	3
190	OXIDATIVE STRESS RESPONSE TO SHORT DURATION BOUT OF SUBMAXIMAL AEROBIC EXERCISE IN HEALTHY YOUNG ADULTS. 2011 , 4, 247-256	6
189	Mitohormesis in muscle cells: a morphological, molecular, and proteomic approach. 2013 , 3, 254-66	10
188	Effect of coenzyme Q10 supplementation on exercise-induced response of inflammatory indicators and blood lactate in male runners. 2015 , 29, 202	7
187	Effects of short-term antioxidant supplementation on oxidative stress and exercise performance in the heat and the cold. 2015 , 7, 98-104	6

186	Improvement effect of Lycium barbarum polysaccharide on sub-health mice. 2015 , 18, 1245-52	6
185	Oxidative stress and food supplementation with antioxidants in therapy dogs. 2017 , 81, 206-216	3
184	Effects of Supplementation and Training on Ameliorating Lipid Profiles and Protection against Coronary Artery Disease; an Experimental Study. 2019 , 7, e16	
183	The Impact of Resveratrol Supplementation on Inflammation Induced by Acute Exercise in Rats: Il6 Responses to Exercise. 2019 , 18, 772-784	1
182	Alterations in neuromuscular junctions and oxidative stress of the soleus muscle of obese Wistar rats caused by vibratory platform training. 2020 , 20, 570-578	
181	GB1a Ameliorates Ulcerative Colitis via Regulation of the NF- B and Nrf2 Signaling Pathways in an Experimental Model. 2021 , 8, 654867	1
180	Antioxidant diets and functional foods attenuate dementia and cognition in elderly subjects. 2022 , 533-549	О
179	Exercise Training Induces a Shift in Extracellular Redox Status with Alterations in the Pulmonary and Systemic Redox Landscape in Asthma 2021 , 10,	1
178	The KEAP1-NRF2 System in Healthy Aging and Longevity 2021 , 10,	5
177	Non-canonical Function of a Hif-1⊞plice Variant Contributes to the Sustained Flight of Locusts.	
176	ROS-Based Nanoparticles for Atherosclerosis Treatment. 2021 , 14,	1
176 175	ROS-Based Nanoparticles for Atherosclerosis Treatment. 2021 , 14, The Effect of a Single Bout of Exercise on Vitamin B2 Status Is Not Different between High- and Low-Fit Females. 2021 , 13,	2
,	The Effect of a Single Bout of Exercise on Vitamin B2 Status Is Not Different between High- and	
175	The Effect of a Single Bout of Exercise on Vitamin B2 Status Is Not Different between High- and Low-Fit Females. 2021, 13, Tart Cherry Supplement Enhances Skeletal Muscle Glutathione Peroxidase Expression and	2
175 174	The Effect of a Single Bout of Exercise on Vitamin B2 Status Is Not Different between High- and Low-Fit Females. 2021, 13, Tart Cherry Supplement Enhances Skeletal Muscle Glutathione Peroxidase Expression and Functional Recovery after Muscle Damage. 2021, The active grandparent hypothesis: Physical activity and the evolution of extended human	1
175 174 173	The Effect of a Single Bout of Exercise on Vitamin B2 Status Is Not Different between High- and Low-Fit Females. 2021, 13, Tart Cherry Supplement Enhances Skeletal Muscle Glutathione Peroxidase Expression and Functional Recovery after Muscle Damage. 2021, The active grandparent hypothesis: Physical activity and the evolution of extended human healthspans and lifespans. 2021, 118, Oxidative Stress, Mitochondrial Function and Adaptation to Exercise: New Perspectives in	1 3
175 174 173	The Effect of a Single Bout of Exercise on Vitamin B2 Status Is Not Different between High- and Low-Fit Females. 2021, 13, Tart Cherry Supplement Enhances Skeletal Muscle Glutathione Peroxidase Expression and Functional Recovery after Muscle Damage. 2021, The active grandparent hypothesis: Physical activity and the evolution of extended human healthspans and lifespans. 2021, 118, Oxidative Stress, Mitochondrial Function and Adaptation to Exercise: New Perspectives in Nutrition. 2021, 11, Effects of Pre-, Post- and Intra-Exercise Hyperbaric Oxygen Therapy on Performance and Recovery:	1 3

168 Redox Signaling. **2021**, 4165-4174

167	Training associated alterations in equine respiratory immunity using a multiomics comparative approach 2022 , 12, 427	O
166	Review on canine pyometra, oxidative stress and current trends in diagnostics. 2019, 8, 45	3
165	Flight and Dietary Antioxidants Influence Antioxidant Expression and Activity in a Migratory Bird 2022 , 4, obab035	O
164	Neuropathology of Cerebral Ischemia. 2021 , 9, 90-103	O
163	Transcription Factor Movement and Exercise-Induced Mitochondrial Biogenesis in Human Skeletal Muscle: Current Knowledge and Future Perspectives 2022 , 23,	1
162	The Biological Role of Vitamins in Athletes' Muscle, Heart and Microbiota 2022, 19,	2
161	Exhaustive Exercise Increases Spontaneous but Not fMLP-Induced Production of Reactive Oxygen Species by Circulating Phagocytes in Amateur Sportsmen 2022 , 11,	
160	Molecular Hydrogen Mitigates Performance Decrement during Repeated Sprints in Professional Soccer Players 2022 , 14,	1
159	Ergothioneine Improves Aerobic Performance Without Any Negative Effect on Early Muscle Recovery Signaling in Response to Acute Exercise 2022 , 13, 834597	2
158	Effects of Exercise Training on the Autonomic Nervous System with a Focus on Anti-Inflammatory and Antioxidants Effects 2022 , 11,	8
157	The Effects of Passive Simulated Jogging on Parameters of Explosive Handgrip in Nondiabetics and Type 2 Diabetics: A Single Arm Study 2022 , 2022, 6450844	
156	????? ()??????)?????. 2021 , 59, 151-155	
155	Preparation and anti-fatigue effects of Vicatia thibertica polysaccharide. 2022 , 18, 133	
154	Diabetic autonomic neuropathy, measurement and management; part II: management. 2022, 313-335	
153	Farkl-ʿAEIklar ile Yaptan Squat SEamanā Makine Eenme Ytitemleri ile DeErlendirilmesi.	O
152	Maintenance of NAD+ Homeostasis in Skeletal Muscle during Aging and Exercise 2022, 11,	2
151	Scavenging mitochondrial hydrogen peroxide by peroxiredoxin 3 overexpression attenuates contractile dysfunction and muscle atrophy in a murine model of accelerated sarcopenia 2022 , e13569	4

150	Mitochondrial Function and Reactive Oxygen/Nitrogen Species in Skeletal Muscle 2022, 10, 826981	1
149	Oxidative stress biomarkers and free amino acid concentrations in the blood plasma of moderately exercised horses indicates adaptive response to prolonged exercise training 2022 ,	1
148	The Effect of Two Acute Bouts of Exercise on Oxidative Stress, Hematological, and Biochemical Parameters, and Rectal Temperature in Trained Canicross Dogs 2022 , 9, 767482	О
147	Transient changes to metabolic homeostasis initiate mitochondrial adaptation to endurance exercise 2022 ,	O
146	Positive Aspects of Oxidative Stress at Different Levels of the Human Body: A Review 2022 , 11,	3
145	Mitochondrial function in sickle cell disease 2022 , 139, 1616-1617	1
144	The Therapeutic Role of Exercise and Probiotics in Stressful Brain Conditions 2022, 23,	О
143	State-of-the-art electrochemistry for the assessment of oxidative stress and integral antioxidant activity of biological environments.	
142	Effects of the combination of vitamins C and E supplementation on oxidative stress, inflammation, muscle soreness, and muscle strength following acute physical exercise: meta-analyses of randomized controlled trials 2022 , 1-14	О
141	State of Knowledge on Molecular Adaptations to Exercise in Humans: Historical Perspectives and Future Directions 2022 , 12, 3193-3279	2
140	Attenuation of Low-Grade Chronic Inflammation by Phytonutrients: A Computational Systems Biology Analysis. 2022 ,	1
139	Spirulina supplementation prevents exercise-induced lipid peroxidation, inflammation and skeletal muscle damage in elite rugby players 2022 ,	О
138	Platelet Activation Favours NOX2-Mediated Muscle Damage in Elite Athletes: The Role of Cocoa-Derived Polyphenols 2022 , 14,	0
137	Modulating Tumour Hypoxia in Prostate Cancer Through Exercise: The Impact of Redox Signalling on Radiosensitivity 2022 , 8, 48	1
136	Exercise, healthy ageing, and the potential role of small extracellular vesicles 2022,	0
135	Astaxanthin Bioactivity Is Determined by Stereoisomer Composition and Extraction Method 2022 , 14,	1
134	Corticospinal and peripheral responses to heat-induced hypo-hydration: potential physiological mechanisms and implications for neuromuscular function 2022 , 1	
133	Physical Activity vs. Redox Balance in the Brain: Brain Health, Aging and Diseases 2021 , 11,	O

132	Does the Endothelium of Competitive Athletes Benefit from Consumption of n-3 Polyunsaturated Fatty Acid-Enriched Hen Eggs?. 2021 , 26, 388-399	1
131	Mitochondrial Oxidative Stress-A Causative Factor and Therapeutic Target in Many Diseases 2021 , 22,	14
130	CQPC08 Attenuates Exercise-Induced Fatigue in Mice Through Its Antioxidant Effects and Effective Intervention of Galactooligosaccharide 2021 , 15, 5151-5164	O
129	Non-Invasive Measurement of Exercise-Induced Oxidative Stress in Response to Physical Activity. A Systematic Review and Meta-Analysis 2021 , 10,	O
128	Nutritional optimization for female elite football players-topical review. 2021,	3
127	Skeletal muscle NOX4 is required for adaptive responses that prevent insulin resistance 2021 , 7, eabl4988	4
126	Effect of high protein diet in activity of antioxidants and level of inflammation on sprint athlete. 2021 , 57, 185-194	
125	Endurance exercise attenuates juvenile irradiation-induced skeletal muscle functional decline and mitochondrial stress 2022 , 12, 8	1
124	Can Low-Dose of Dietary Vitamin E Supplementation Reduce Exercise-Induced Muscle Damage and Oxidative Stress? A Meta-Analysis of Randomized Controlled Trials 2022 , 14,	0
123	Effects of Hypoxia-Hyperoxia Preconditioning on Indicators of Muscle Damage After Acute Resistance Exercise in Male Athletes 2022 , 13, 824210	О
122	Potential Effects of Nrf2 in Exercise Intervention of Neurotoxicity Caused by Methamphetamine Oxidative Stress 2022 , 2022, 4445734	0
121	Lung-Brain Crosstalk in Sepsis: Protective Effect of Prophylactic Physical Exercise Against Inflammation and Oxidative Stress in Rats 2022 , 1	
12 0	Table_1.XLSX. 2020 ,	
119	Image_1.JPEG. 2019 ,	
118	Data_Sheet_1.xlsx. 2019 ,	
117	Image_1.JPEG. 2019 ,	
116	Image_2.JPEG. 2019 ,	
115	Image_3.JPEG. 2019 ,	

(2022-2019)

114	Data_Sheet_1.pdf. 2019 ,	
113	lmage_1.TIF. 2019 ,	
112	Image_2.TIF. 2019 ,	
111	Image_3.TIF. 2019 ,	
110	lmage_4.TIF. 2019 ,	
109	Table_1.DOCX. 2019 ,	
108	lmage_1.pdf. 2019 ,	
107	Table_1.XLSX. 2020 ,	
106	C-Reactive Protein and High-Sensitive Cardiac Troponins Correlate with Oxidative Stress in Valvular Heart Disease Patients 2022 , 2022, 5029853	O
105	Diaphragm Dysfunction and Rehabilitation Strategy in Patients With Chronic Obstructive Pulmonary Disease 2022 , 13, 872277	1
104	Recent Approaches to Determine Static and Dynamic Redox State-Related Parameters. 2022, 11, 864	
103	Promotion of aging heart function and its redox balance following hind-limb blood flow restriction plus endurance exercise training in rats: klotho and PGC1-has involving candidate molecules 2022,	О
102	Effects of Acute and Chronic Resistance Exercise on the Skeletal Muscle Metabolome. 2022 , 12, 445	2
101	Hepatic AMPK activation in response to dynamic REDOX balance is a biomarker of exercise to improve blood glucose control.	
100	Redox Control of Signalling Responses to Contractile Activity and Ageing in Skeletal Muscle. 2022 , 11, 1698	0
99	Myostatin Deficiency Enhances Antioxidant Capacity of Bovine Muscle via the SMAD-AMPK-G6PD Pathway. 2022 , 2022, 1-15	1
98	A Narrative Review of Exercise-Induced Oxidative Stress: Oxidative DNA Damage Underlined. 2022 , 15,	1
97	Oxidative stress and antioxidant mechanisms of obligate anaerobes involved in biological waste treatment processes: A review. 2022 , 156454	O

96 Erythrocytes model for oxidative stress analysis. **2022**, 363-390

95	???????????????????. 2022,	
94	Research in the Field of Exercise and Metabolomics: A Bibliometric and Visual Analysis. 2022, 12, 542	
93	Does Hyperbaric Oxygenation Improve Athletic Performance?. 2022 , Publish Ahead of Print,	
92	Long-distance transit alters liver and skeletal muscle physiology of beef cattle. 2022, 16, 100555	O
91	Redox signaling regulates skeletal muscle remodeling in response to exercise and prolonged inactivity. 2022 , 54, 102374	1
90	Red Beet Pomace as a Source of Nutraceuticals. 2022 , 39-55	
89	D⊠enli ve SEekli Egzersizin Oksidatif Stres ve Apoptozise Etkisi.	
88	Transforming growth factor 1 impairs the transcriptomic response to contraction in myotubes from women with polycystic ovary syndrome. 2022 , 600, 3313-3330	1
87	Blood oxidative stress biomarkers in women: influence of oral contraception, exercise, and N-acetylcysteine. 2022 , 122, 1949-1964	
86	Curcumin: A dietary phytochemical for boosting exercise performance and recovery.	
85	The Effect of Physical Exercise on Oxidation Capacity and Utero-Placental Circulation in Pregnancies with Gestational Diabetes Mellitus and Uncomplicated Pregnancies, a Pilot Study. 2022 , 12, 1732	
84	Reactive Oxygen Species in the Adverse Outcome Pathway Framework: Toward Creation of Harmonized Consensus Key Events. 4,	О
83	The effect of ingestion of red dragon fruit extract on levels of malondialdehyde and superoxide dismutase after strenuous exercise in rats (Rattus norvegicus). 10, 1061	
82	A pilot study on nitration/dysfunction of NK1 segment of myogenic stem cell activator HGF. 2022 , 31, 101295	
81	Moringa oleifera Leaf Extract Protects C2C12 Myotubes against H2O2-Induced Oxidative Stress. 2022 , 11, 1435	2
80	Insight Into the Metabolic Adaptations of Electrically Pulse-Stimulated Human Myotubes Using Global Analysis of the Transcriptome and Proteome. 13,	3
79	Metabolic Factors in Skeletal Muscle Fatigue. 2022 , 377-399	

78	The effect of ingestion of red dragon fruit extract on levels of malondialdehyde and superoxide dismutase after strenuous exercise in rats (Rattus norvegicus). 10, 1061	
77	The ultrastructure of muscle fibers and satellite cells in experimental autoimmune encephalomyelitis after treatment with transcranial magnetic stimulation. 1-12	
76	Antioxidative properties of phenolic compounds and their effect on oxidative stress induced by severe physical exercise. 2022 , 72,	3
75	Exercise as an Aging Mimetic: A New Perspective on the Mechanisms Behind Exercise as Preventive Medicine Against Age-Related Chronic Disease. 13,	
74	Pre-Treatment Physical Activity Could Positively Influence Pregnancy Rates in IVF despite the Induced Oxidative Stress: A Cohort Study on Salivary 8-Hydroxy-2?-deoxyguanosine. 2022 , 11, 1586	
73	Acute Changes in Lipoprotein-Associated Oxidative Stress.	
72	Yifei sanjie Pills Alleviate Chemotherapy-Related Fatigue by Reducing Skeletal Muscle Injury and Inhibiting Tumor Growth in Lung Cancer Mice. 2022 , 2022, 1-19	1
71	The Effect of Fish Oil-Based Foods on Lipid and Oxidative Status Parameters in Police Dogs. 2022 , 12, 1092	3
70	Mitochondrial characteristics of chicken breast muscle affected by wooden breast. 2022, 273, 111296	1
69	Exercise: Thermodynamic and Bioenergetic Principles. 2022 , 27-50	O
69	Exercise: Thermodynamic and Bioenergetic Principles. 2022, 27-50 Effects of carbohydrate-electrolyte dissolved alkaline electrolyzed water on physiological responses during exercise under heat stress in physically active men. 2022, 5, 389-398	0
	Effects of carbohydrate-electrolyte dissolved alkaline electrolyzed water on physiological	
68	Effects of carbohydrate-electrolyte dissolved alkaline electrolyzed water on physiological responses during exercise under heat stress in physically active men. 2022 , 5, 389-398 Antioxidant vitamins supplementation on muscle adaptations to resistance training: A double-blind	О
68 67	Effects of carbohydrate-electrolyte dissolved alkaline electrolyzed water on physiological responses during exercise under heat stress in physically active men. 2022, 5, 389-398 Antioxidant vitamins supplementation on muscle adaptations to resistance training: A double-blind randomized controlled trial. 2022, 111848 Compounds purified from edible fungi fight against chronic inflammation through oxidative stress	0
68 67 66	Effects of carbohydrate-electrolyte dissolved alkaline electrolyzed water on physiological responses during exercise under heat stress in physically active men. 2022, 5, 389-398 Antioxidant vitamins supplementation on muscle adaptations to resistance training: A double-blind randomized controlled trial. 2022, 111848 Compounds purified from edible fungi fight against chronic inflammation through oxidative stress regulation. 13, Intracellular Oxidative Stress Induced by Physical Exercise in Adults: Systematic Review and	0 0
68 67 66 65	Effects of carbohydrate-electrolyte dissolved alkaline electrolyzed water on physiological responses during exercise under heat stress in physically active men. 2022, 5, 389-398 Antioxidant vitamins supplementation on muscle adaptations to resistance training: A double-blind randomized controlled trial. 2022, 111848 Compounds purified from edible fungi fight against chronic inflammation through oxidative stress regulation. 13, Intracellular Oxidative Stress Induced by Physical Exercise in Adults: Systematic Review and Meta-Analysis. 2022, 11, 1751 Heart Rate Variability and Salivary Biomarkers Differences between Fibromyalgia and Healthy	O O O
68 67 66 65	Effects of carbohydrate-electrolyte dissolved alkaline electrolyzed water on physiological responses during exercise under heat stress in physically active men. 2022, 5, 389-398 Antioxidant vitamins supplementation on muscle adaptations to resistance training: A double-blind randomized controlled trial. 2022, 111848 Compounds purified from edible fungi fight against chronic inflammation through oxidative stress regulation. 13, Intracellular Oxidative Stress Induced by Physical Exercise in Adults: Systematic Review and Meta-Analysis. 2022, 11, 1751 Heart Rate Variability and Salivary Biomarkers Differences between Fibromyalgia and Healthy Participants after an Exercise Fatigue Protocol: An Experimental Study. 2022, 12, 2220 Impact of Exercise Intensity on Systemic Oxidative Stress, Inflammatory Responses, and Sirtuin	0 0 1 0

60	The Role of Mitochondrial and Redox Alterations in the Skeletal Myopathy Associated with Chronic Kidney Disease.	O
59	Hesperidin protects ratsliver and kidney from oxidative damage and physiological disruption induced by nickel oxide nanoparticles. 13,	О
58	Effects of Total Flavonoids of Artemisia ordosica on Growth Performance, Oxidative Stress, and Antioxidant Status of Lipopolysaccharide-Challenged Broilers. 2022 , 11, 1985	0
57	Effects of Age and Lifelong Moderate-Intensity Exercise Training on RatslTesticular Function. 2022 , 23, 11619	О
56	Evaluation of thermo-adaptability between Tharparkar (Bos indicus) and crossbred (Bos indicus X Bos taurus) calves in a controlled environment. 2022 , 103381	О
55	Impact of cancer cachexia on respiratory muscle function and the therapeutic potential of exercise.	1
54	Effect of all supplementation (Euterpe Oleracea Mart.) associated with exercise in animals and human: a scoping review. 35,	О
53	Effects of Acute Vitamin C plus Vitamin E Supplementation on Exercise-Induced Muscle Damage in Runners: A Double-Blind Randomized Controlled Trial. 2022 , 14, 4635	О
52	Usefulness of Skin Autofluorescence as a Biomarker of Acute Oxidative Stress in Young Male Japanese Long-Distance Runners: A Cross-Sectional Study. 2022 , 10, 180	O
51	Different Impacts of Heat-Killed and Viable Lactiplantibacillus plantarum TWK10 on Exercise Performance, Fatigue, Body Composition, and Gut Microbiota in Humans. 2022 , 10, 2181	1
50	Influence of a 12-Month Structured Exercise Program on the Micronutrient-Cognitive Fitness-Physical Association Profiles in Mild Cognitive Impairment. 1-12	0
49	Effects of Intestinal Bacterial Hydrogen Gas Production on Muscle Recovery following Intense Exercise in Adult Men: A Pilot Study. 2022 , 14, 4875	О
48	Molecular Responses to Acute Exercise and Their Relevance for Adaptations in Skeletal Muscle to Exercise Training.	0
47	Free radicals: Relationship to Human Diseases and Potential Therapeutic applications. 2023 , 154, 106346	1
46	Nutrient digestibility and physiological implication of feed withdrawal periods and ascorbic acid supplementation in growing pigs under tropical environment. 2020 , 89,	0
45	Long-Term Aerobic Training Improves Mitochondrial and Antioxidant Function in the Liver of Wistar Rats Preventing Hepatic Age-Related Function Decline. 2022 , 11, 1750	O
44	Time-Course of Redox Status, Redox-Related, and Mitochondrial-Dynamics-Related Gene Expression after an Acute Bout of Different Physical Exercise Protocols. 2022 , 12, 2113	0
43	Potential Benefits of Lycopene Consumption: Rationale for Using It as an Adjuvant Treatment for Malaria Patients and in Several Diseases. 2022 , 14, 5303	O

42	Reactive Oxygen and Nitrogen Species (RONS) and Cytokines Myokines Involved in Glucose Uptake and Insulin Resistance in Skeletal Muscle. 2022 , 11, 4008	2
41	Structural functionality of skeletal muscle mitochondria and its correlation with metabolic diseases. 2022 , 136, 1851-1871	O
40	Effects of hydroxyurea on skeletal muscle energetics and force production in a sickle cell disease murine model.	O
39	Breeding Strategies of Beetroot and a Future Vision in the Post-genomic Era[]2023, 235-249	O
38	Sleep and Nutrition in Athletes.	0
37	Antioksidant fermentl?rin aktivliyinin v? malon dialdehidinin miqdar ññ idmanĦarñ qanñda mᡇayis?li t?dqiqi. 2019 , 1, 30-38	O
36	Effects of a Saccharomyces cerevisiae fermentation product on fecal characteristics, metabolite concentrations, and microbiota populations of dogs subjected to exercise challenge.	O
35	Exercise Training and Skeletal Muscle Antioxidant Enzymes: An Update. 2023 , 12, 39	1
34	Effects of Long-Term Supplementation of Bovine Colostrum on Iron Homeostasis, Oxidative Stress, and Inflammation in Female Athletes: A Placebo-Controlled Clinical Trial. 2023 , 15, 186	O
33	Polyphenol Supplementation and Antioxidant Status in Athletes: A Narrative Review. 2023 , 15, 158	O
32	Antifatigue and microbiome reshaping effects of yak bone collagen peptides on Balb/c mice. 2023, 102447	O
31	Physiological and performance effects of dietary nitrate and N-acetylcysteine supplementation during prolonged heavy-intensity cycling. 2022 , 40, 2585-2594	O
30	In Silico Study of Centella asiatica Derivatives as Antioxidant: Enhancer of Superoxide Dismutase and Glutathione Peroxidase Activity. 2023 , 399-403	0
29	Miswired Proprioception in Amyotrophic Lateral Sclerosis in Relation to Pain Sensation (and in Delayed Onset Muscle Soreness) Piezo2 Channelopathy a Principal Transcription Activator in Proprioceptive Terminals Besides Being the Potential Primary Damage?. 2023 , 13, 657	3
28	Insights of Chinese herbal medicine for mitochondrial dysfunction in chronic cerebral hypoperfusion induced cognitive impairment: Existed evidences and potential directions. 14,	O
27	Association between serum zinc levels and suicidal ideation in US adults: A population-based cross-sectional study. 2023 , 329, 359-368	O
26	High Fischer ratio peptide of hemp seed: Preparation and anti-fatigue evaluation in vivo and in vitro. 2023 , 165, 112534	О
25	Effects of Aerobic Exercise on Body Composition and the Derivatives of Reactive Oxygen Metabolites & Samp; Biological Antioxidant Potential. 2023 , 25, 63-69	O

24	Whey protein hydrolysate enhances exercise endurance, regulates energy metabolism, and attenuates muscle damage in exercise mice. 2023 , 52, 102453	О
23	Effects of molecular hydrogen supplementation on fatigue and aerobic capacity in healthy adults: A systematic review and meta-analysis. 10,	O
22	Diverse CMT2 neuropathies are linked to aberrant G3BP interactions in stress granules. 2023 , 186, 803-820.e.	25 0
21	Seasonal Oxy-Inflammation and Hydration Status in Non-Elite Freeskiing Racer: A Pilot Study by Non-Invasive Analytic Method. 2023 , 20, 3157	O
20	Endogenous and Exogenous Antioxidants in Skeletal Muscle Fatigue Development during Exercise. 2023 , 12, 501	O
19	Association of Dietary and Supplement Intake of Antioxidants with Risk of Dementia: A Meta-Analysis of Cohort Studies. 2023 , 1-16	O
18	Safety of beta-alanine supplementation in humans: a narrative review.	0
17	A special polysaccharide hydrogel coated on Brasenia schreberi: preventive effects against ulcerative colitis via modulation of gut microbiota.	О
16	Acoustic streaming enabled moderate swimming exercise reduces neurodegeneration in C. elegans. 2023 , 9,	О
15	Concerted phenotypic flexibility of avian erythrocyte size and number in response to dietary anthocyanin supplementation. 2023 , 20,	O
14	Patterns of Dietary Blood Markers Are Related to Frailty Status in the FRAILOMIC Validation Phase. 2023 , 15, 1142	O
13	Noninvasive measurement of local stress inside soft materials with programmed shear waves. 2023 , 9,	О
12	The beneficial role of exercise in preventing doxorubicin-induced cardiotoxicity. 14,	О
11	Milk Fat Globule Membrane Relieves Fatigue via Regulation of Oxidative Stress and Gut Microbiota in BALB/c Mice. 2023 , 12, 712	O
10	Bioelectrical, Anthropometric, and Hematological Analysis to Assess Body Fluids and Muscle Changes in Elite Cyclists during the Giro d I talia. 2023 , 12, 450	O
9	The oxidative cost of competing for egg fertilization exceeds the cost of egg production. 2023 , 77, 199-209	O
8	The Potential Modulatory Effects of Exercise on Skeletal Muscle Redox Status in Chronic Kidney Disease. 2023 , 24, 6017	0
7	The Role of Mitochondria in Mediation of Skeletal Muscle Repair. 2023 , 2, 119-163	О

CITATION REPORT

6	Effect of propolis on mood, quality of life, and metabolic profiles in subjects with metabolic syndrome: a randomized clinical trial. 2023 , 13,	О
5	Use of Honey in Sports Medicine. 2023 , 250-262	o
4	Biomarkers of oxidative stress, diet and exercise distinguish soldiers selected and non-selected for special forces training. 2023 , 19,	O
3	Biomarkers of post-match recovery in semi-professional and professional football (soccer). 14,	o
2	Treatment with levosimendan in an experimental model of early ventilator-induced diaphragmatic dysfunction. 17, 39-44	0
1	Changes in cortisol awakening responses (CAR) in menopausal women through short-term marine healing retreat program with specific factors affecting each CAR index. 2023 , 18, e0284627	O