Jose Vina

List of Publications by Year
in descending order

		4120	7931
364	26,886	87	149
papers	citations	h-index	g-index

399	399	399	30187
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Searching for an Operational Definition of Frailty: A Delphi Method Based Consensus Statement. The Frailty Operative Definition-Consensus Conference Project. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2013, 68, 62-67.	1.7	890
2	Moderate exercise is an antioxidant: Upregulation of antioxidant genes by training. Free Radical Biology and Medicine, 2008, 44, 126-131.	1.3	775
3	Oral administration of vitamin C decreases muscle mitochondrial biogenesis and hampers training-induced adaptations in endurance performance. American Journal of Clinical Nutrition, 2008, 87, 142-149.	2.2	679
4	Mitochondria from females exhibit higher antioxidant gene expression and lower oxidative damage than males. Free Radical Biology and Medicine, 2003, 34, 546-552.	1.3	527
5	Properties of Resveratrol:In VitroandIn VivoStudies about Metabolism, Bioavailability, and Biological Effects in Animal Models and Humans. Oxidative Medicine and Cellular Longevity, 2015, 2015, 1-13.	1.9	510
6	Delayed ageing through damage protection by the Arf/p53 pathway. Nature, 2007, 448, 375-379.	13.7	439
7	Establishing the background level of base oxidation in human lymphocyte DNA: results of an interlaboratory validation study. FASEB Journal, 2005, 19, 82-84.	0.2	404
8	Telomerase Reverse Transcriptase Delays Aging in Cancer-Resistant Mice. Cell, 2008, 135, 609-622.	13.5	396
9	Resuscitation With Room Air Instead of 100% Oxygen Prevents Oxidative Stress in Moderately Asphyxiated Term Neonates. Pediatrics, 2001, 107, 642-647.	1.0	395
10	Decreasing xanthine oxidase-mediated oxidative stress prevents useful cellular adaptations to exercise in rats. Journal of Physiology, 2005, 567, 113-120.	1.3	376
11	A Multicomponent Exercise Intervention that Reverses Frailty and Improves Cognition, Emotion, and Social Networking in the Community-Dwelling Frail Elderly: A Randomized Clinical Trial. Journal of the American Medical Directors Association, 2016, 17, 426-433.	1.2	362
12	Why Women Have More Alzheimer's Disease Than Men: Gender and Mitochondrial Toxicity of Amyloid-Î² Peptide. Journal of Alzheimer's Disease, 2010, 20, S527-S533.	1.2	358
13	Xanthine Oxidase Is Involved in Free Radical Production in Type 1 Diabetes: Protection by Allopurinol. Diabetes, 2002, 51, 1118-1124.	0.3	357
14	Exercise and Hormesis: Activation of Cellular Antioxidant Signaling Pathway. Annals of the New York Academy of Sciences, 2006, 1067, 425-435.	1.8	336
15	Mitochondrial Oxidative Stress Plays a Key Role in Aging and Apoptosis. IUBMB Life, 2000, 49, 427-435.	1.5	323
16	Exercise acts as a drug; the pharmacological benefits of exercise. British Journal of Pharmacology, 2012, 167, 1-12.	2.7	307
17	Are we sure we know how to measure 8-oxo-7,8-dihydroguanine in DNA from human cells?. Archives of Biochemistry and Biophysics, 2004, 423, 57-65.	1.4	287
18	Mitochondrial glutathione oxidation correlates with ageâ€associated oxidative damage to mitochondrial DNA. FASEB Journal, 1996, 10, 333-338.	0.2	284

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19	The role of mitochondrial oxidative stress in aging. Free Radical Biology and Medicine, 2003, 35, 1-8.	1.3	283
20	Oxidative stress in asphyxiated term infants resuscitated with 100% oxygen. Journal of Pediatrics, 2003, 142, 240-246.	0.9	279
21	Measurement of DNA oxidation in human cells by chromatographic and enzymic methods. Free Radical Biology and Medicine, 2003, 34, 1089-1099.	1.3	268
22	Acute exercise activates nuclear factor (NF)â€ÎšB signaling pathway in rat skeletal muscle. FASEB Journal, 2004, 18, 1499-1506.	0.2	248
23	Room-Air Resuscitation Causes Less Damage to Heart and Kidney than 100% Oxygen. American Journal of Respiratory and Critical Care Medicine, 2005, 172, 1393-1398.	2.5	243
24	European contribution to the study of ROS: A summary of the findings and prospects for the future from the COST action BM1203 (EU-ROS). Redox Biology, 2017, 13, 94-162.	3.9	242
25	Mitochondria, oxidative stress and aging. Free Radical Research, 2000, 32, 189-198.	1.5	241
26	Even free radicals should follow some rules: A Guide to free radical research terminology and methodology. Free Radical Biology and Medicine, 2015, 78, 233-235.	1.3	241
27	17Î²-oestradiol up-regulates longevity-related, antioxidant enzyme expression via the ERK1 and ERK2 [MAPK]/NFÎºB cascade. Aging Cell, 2005, 4, 113-118.	3.0	240
28	Bioavailability and metabolism. Molecular Aspects of Medicine, 2002, 23, 39-100.	2.7	237
29	Physical exercise in the prevention and treatment of Alzheimer's disease. Journal of Sport and Health Science, 2020, 9, 394-404.	3.3	230
30	AÎ² and tau toxicities in Alzheimerâ€™s are linked via oxidative stress-induced p38 activation: Protective role of vitamin E. Redox Biology, 2014, 2, 873-877.	3.9	211
31	Aging of the liver: Age-associated mitochondrial damage in intact hepatocytes. Hepatology, 1996, 24, 1199-1205.	3.6	210
32	Why females live longer than males? Importance of the upregulation of longevity-associated genes by oestrogenic compounds. FEBS Letters, 2005, 579, 2541-2545.	1.3	208
33	Antioxidants, reactive oxygen and nitrogen species, gene induction and mitochondrial function. Molecular Aspects of Medicine, 2002, 23, 209-285.	2.7	201
34	Vitamin E Paradox in Alzheimer's Disease: It Does Not Prevent Loss of Cognition and May Even Be Detrimental. Journal of Alzheimer's Disease, 2009, 17, 143-149.	1.2	198
35	Mitochondrial biogenesis in exercise and in ageingâ˜†. Advanced Drug Delivery Reviews, 2009, 61, 1369-1374.	6.6	192
36	Sarcopenia, frailty and their prevention by exercise. Free Radical Biology and Medicine, 2019, 132, 42-49.	1.3	186

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37	Theories of ageing. IUBMB Life, 2007, 59, 249-254.	1.5	184
38	Shifts in gut microbiota composition in an APP/PSS1 transgenic mouse model of Alzheimer's disease during lifespan. Letters in Applied Microbiology, 2018, 66, 464-471.	1.0	184
39	A Ginkgo Biloba Extract (EGb 761) Prevents Mitochondrial Aging by Protecting Against Oxidative Stress. Free Radical Biology and Medicine, 1998, 24, 298-304.	1.3	180
40	G6PD protects from oxidative damage and improves healthspan in mice. Nature Communications, 2016, 7, 10894.	5.8	179
41	Exercise and probiotics attenuate the development of Alzheimer's disease in transgenic mice: Role of microbiome. Experimental Gerontology, 2019, 115, 122-131.	1.2	177
42	L-cysteine and glutathione metabolism are impaired in premature infants due to cystathionase deficiency. American Journal of Clinical Nutrition, 1995, 61, 1067-1069.	2.2	176
43	The Free Radical Theory of Aging Revisited: The Cell Signaling Disruption Theory of Aging. Antioxidants and Redox Signaling, 2013, 19, 779-787.	2.5	176
44	Direct antioxidant and protective effect of estradiol on isolated mitochondria. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2010, 1802, 205-211.	1.8	173
45	Oxidative damage to mitochondrial DNA and glutathione oxidation in apoptosis: studiesin vivoandin vitro. FASEB Journal, 1999, 13, 1055-1064.	0.2	171
46	A High-Performance Liquid Chromatography Method for Measurement of Oxidized Glutathione in Biological Samples. Analytical Biochemistry, 1994, 217, 323-328.	1.1	169
47	Dietary soy isoflavoneâ€induced increases in antioxidant and eNOS gene expression lead to improved endothelial function and reduced blood pressure in vivo. FASEB Journal, 2005, 19, 1755-1757.	0.2	169
48	AZT treatment induces molecular and ultrastructural oxidative damage to muscle mitochondria. Prevention by antioxidant vitamins.. Journal of Clinical Investigation, 1998, 102, 4-9.	3.9	166
49	Estradiol or genistein prevent Alzheimer's disease-associated inflammation correlating with an increase PPARÎ³ expression in cultured astrocytes. Brain Research, 2010, 1312, 138-144.	1.1	165
50	Glutathione Is Recruited into the Nucleus in Early Phases of Cell Proliferation. Journal of Biological Chemistry, 2007, 282, 20416-20424.	1.6	163
51	Maintenance of glutathione content is isolated hepatocyctes. Biochemical Journal, 1978, 170, 627-630.	1.7	156
52	Mechanism of Free Radical Production in Exhaustive Exercise in Humans and Rats; Role of Xanthine Oxidase and Protection by Allopurinol. IUBMB Life, 2000, 49, 539-544.	1.5	154
53	Genistein, a soy isoflavone, upâ€regulates expression of antioxidant genes: involvement of estrogen receptors, ERK1/2, and NFÎºB. FASEB Journal, 2006, 20, 2136-2138.	0.2	153
54	Role of nuclear glutathione as a key regulator of cell proliferation. Molecular Aspects of Medicine, 2009, 30, 77-85.	2.7	152

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55	Effect of ethanol on glutathione concentration in isolated hepatocytes. Biochemical Journal, 1980, 188, 549-552.	3.2	150
56	[23] Ratio of reduced to oxidized glutathione as indicator of oxidative stress status and DNA damage. Methods in Enzymology, 1999, 299, 267-276.	0.4	150
57	Blood Glutathione as an Index of Radiation-Induced Oxidative Stress in Mice and Humans. Free Radical Biology and Medicine, 1997, 22, 1203-1209.	1.3	146
58	Copenhagen Consensus statement 2019: physical activity and ageing. British Journal of Sports Medicine, 2019, 53, 856-858.	3.1	145
59	Redox modulation of mitochondriogenesis in exercise. Does antioxidant supplementation blunt the benefits of exercise training?. Free Radical Biology and Medicine, 2015, 86, 37-46.	1.3	141
60	Relevance of Oxygen Concentration in Stem Cell Culture for Regenerative Medicine. International Journal of Molecular Sciences, 2019, 20, 1195.	1.8	138
61	Mitochondrial Theory of Aging: Importance to Explain Why Females Live Longer Than Males. Antioxidants and Redox Signaling, 2003, 5, 549-556.	2.5	128
62	Free Radicals in Exhaustive Physical Exercise: Mechanism of Production, and Protection by Antioxidants. IUBMB Life, 2000, 50, 271-277.	1.5	127
63	Ursodeoxycholic acid protects against secondary biliary cirrhosis in rats by preventing mitochondrial oxidative stress. Hepatology, 2004, 39, 711-720.	3.6	127
64	Females Live Longer than Males: Role of Oxidative Stress. Current Pharmaceutical Design, 2011, 17, 3959-3965.	0.9	127
65	Interaction Between Cytokines and Oxidative Stress in Acute Pancreatitis. Current Medicinal Chemistry, 2006, 13, 2775-2787.	1.2	123
66	Oxidative Stress Is Related to Frailty, Not to Age or Sex, in a Geriatric Population: Lipid and Protein Oxidation as Biomarkers of Frailty. Journal of the American Geriatrics Society, 2014, 62, 1324-1328.	1.3	123
67	Amyloid-Î² Toxicity and Tau Hyperphosphorylation are Linked Via RCAN1 in Alzheimer's Disease. Journal of Alzheimer's Disease, 2011, 27, 701-709.	1.2	121
68	Molecular bases of the treatment of Alzheimer's disease with antioxidants: prevention of oxidative stress. Molecular Aspects of Medicine, 2004, 25, 117-123.	2.7	119
69	Role of mitochondrial oxidative stress to explain the different longevity between genders. Protective effect of estrogens. Free Radical Research, 2006, 40, 1359-1365.	1.5	118
70	PTEN recruitment controls synaptic and cognitive function in Alzheimer's models. Nature Neuroscience, 2016, 19, 443-453.	7.1	118
71	Xanthine oxidase is involved in exercise-induced oxidative stress in chronic obstructive pulmonary disease. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 1999, 277, R1697-R1704.	0.9	117
72	Lipid peroxidation as measured by chromatographic determination of malondialdehyde. Human plasma reference values in health and disease. Archives of Biochemistry and Biophysics, 2021, 709, 108941.	1.4	117

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73	Effect of Simultaneous Inhibition of TNF-?? Production and Xanthine Oxidase in Experimental Acute Pancreatitis. Annals of Surgery, 2004, 240, 108-116.	2.1	115
74	Exercise-Induced Systemic Effects in Muscle-Wasted Patients with COPD. Medicine and Science in Sports and Exercise, 2006, 38, 1543-1552.	0.2	114
75	Comparison of different methods of measuring 8-oxoguanine as a marker of oxidative DNA damage. Free Radical Research, 2000, 32, 333-341.	1.5	112
76	Mitochondrial oxidative stress and CD95 ligand: A dual mechanism for hepatocyte apoptosis in chronic alcoholism. Hepatology, 2002, 35, 1205-1214.	3.6	110
77	Age associated low mitochondrial biogenesis may be explained by lack of response of PGC-1Î± to exercise training. Age, 2012, 34, 669-679.	3.0	109
78	Part of the Series: From Dietary Antioxidants to Regulators in Cellular Signalling and Gene ExpressionRole of reactive oxygen species and (phyto)oestrogens in the modulation of adaptive response to stress. Free Radical Research, 2006, 40, 111-119.	1.5	107
79	Exhaustive physical exercise causes oxidation of glutathione status in blood: prevention by antioxidant administration. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 1992, 263, R992-R995.	0.9	103
80	Allopurinol and Markers of Muscle Damage Among Participants in the Tour de France. JAMA - Journal of the American Medical Association, 2003, 289, 2503-2504.	3.8	101
81	Molecular mechanisms linking amyloid Î² toxicity and Tau hyperphosphorylation in Alzheimer×³s disease. Free Radical Biology and Medicine, 2015, 83, 186-191.	1.3	101
82	Why Females Live Longer Than Males: Control of Longevity by Sex Hormones. Science of Aging Knowledge Environment: SAGE KE, 2005, 2005, pe17-pe17.	0.9	100
83	Oxidative stress in marathon runners: interest of antioxidant supplementation. British Journal of Nutrition, 2006, 96, S31-S33.	1.2	99
84	Circulating miRNAs and miRNA shuttles as biomarkers: Perspective trajectories of healthy and unhealthy aging. Mechanisms of Ageing and Development, 2017, 165, 162-170.	2.2	96
85	Mitochondrial involvement in non-alcoholic steatohepatitis. Molecular Aspects of Medicine, 2008, 29, 22-35.	2.7	92
86	Antiâ€aging activity of the Ink4/Arf locus. Aging Cell, 2009, 8, 152-161.	3.0	92
87	Inhibition of Xanthine Oxidase by Allopurinol Prevents Skeletal Muscle Atrophy: Role of p38 MAPKinase and E3 Ubiquitin Ligases. PLoS ONE, 2012, 7, e46668.	1.1	92
88	Xanthine oxidase-induced oxidative stress causes activation of NF-ÎºB and inflammation in the liver of type I diabetic rats. Free Radical Biology and Medicine, 2010, 49, 171-177.	1.3	90
89	The Depletion of Nuclear Glutathione Impairs Cell Proliferation in 3t3 Fibroblasts. PLoS ONE, 2009, 4, e6413.	1.1	89
90	Mitochondrial oxidant generation is involved in determining why females live longer than males. Frontiers in Bioscience - Landmark, 2007, 12, 1008.	3.0	86

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91	Interaction between 24-hydroxycholesterol, oxidative stress, and amyloid-Î² in amplifying neuronal damage in Alzheimerâ€™s disease: three partners in crime. Aging Cell, 2011, 10, 403-417.	3.0	85
92	The effect of cysteine oxidation on isolated hepatocytes. Biochemical Journal, 1983, 212, 39-44.	1.7	84
93	Centenarians, but not octogenarians, up-regulate the expression of microRNAs. Scientific Reports, 2012, 2, 961.	1.6	84
94	Histone H3 Glutathionylation in Proliferating Mammalian Cells Destabilizes Nucleosomal Structure. Antioxidants and Redox Signaling, 2013, 19, 1305-1320.	2.5	83
95	Mitochondrial function in liver disease. Frontiers in Bioscience - Landmark, 2007, 12, 1200.	3.0	81
96	Hyperoxemia caused by resuscitation with pure oxygen may alter intracellular redox status by increasing oxidized glutathione in asphyxiated newly born infants. Seminars in Perinatology, 2002, 26, 406-410.	1.1	80
97	Long-term exercise training improves memory in middle-aged men and modulates peripheral levels of BDNF and Cathepsin B. Scientific Reports, 2019, 9, 3337.	1.6	79
98	Inactivityâ€induced oxidative stress: A central role in ageâ€related sarcopenia?. European Journal of Sport Science, 2014, 14, S98-108.	1.4	77
99	Intensified mitophagy in skeletal muscle with aging is downregulated by PGC-1alpha overexpression in vivo. Free Radical Biology and Medicine, 2019, 130, 361-368.	1.3	77
100	A free radical theory of frailty. Free Radical Biology and Medicine, 2018, 124, 358-363.	1.3	76
101	Zidovudine (AZT) causes an oxidation of mitochondrial DNA in mouse liver. Hepatology, 1999, 29, 985-987.	3.6	75
102	Six Years of Experience with the Use of Room Air for the Resuscitation of Asphyxiated Newly Born Term Infants. Neonatology, 2001, 79, 261-267.	0.9	75
103	Inter-laboratory Validation of Procedures for Measuring 8-oxo-7,8-dihydroguanine/8-oxo-7,8-dihydro-2â€²-deoxyguanosine in DNA. Free Radical Research, 2002, 36, 239-245.	1.5	75
104	Oestradiol or genistein rescues neurons from amyloid betaâ€induced cell death by inhibiting activation of p38. Aging Cell, 2008, 7, 112-118.	3.0	75
105	Life-long spontaneous exercise does not prolong lifespan but improves health span in mice. Longevity & Healthspan, 2013, 2, 14.	6.7	74
106	Clearing Amyloid-Î² through PPARÎ³/ApoE Activation by Genistein is a Treatment of Experimental Alzheimerâ€™s Disease. Journal of Alzheimer's Disease, 2016, 51, 701-711.	1.2	74
107	Oxidative signature of cerebrospinal fluid from mild cognitive impairment and Alzheimer disease patients. Free Radical Biology and Medicine, 2016, 91, 1-9.	1.3	74
108	Evidence for the progression through S-phase in the ectopic cell cycle re-entry of neurons in Alzheimer disease. Aging, 2009, 1, 382-388.	1.4	73

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109	Depletion of tumour glutathione in vivo by buthionine sulphoximine: modulation by the rate of cellular proliferation and inhibition of cancer growth. Biochemical Journal, 1993, 292, 477-483.	1.7	72
110	Exercise causes blood glutathione oxidation in chronic obstructive pulmonary disease: prevention by O₂ therapy. Journal of Applied Physiology, 1996, 81, 2199-2202.	1.2	69
111	Glutathione Regulates Telomerase Activity in 3T3 Fibroblasts. Journal of Biological Chemistry, 2004, 279, 34332-34335.	1.6	69
112	In Search of â€˜Omics'-Based Biomarkers to Predict Risk of Frailty and Its Consequences in Older Individuals: The FRAILOMIC Initiative. Gerontology, 2016, 62, 182-190.	1.4	69
113	Physiological changes in glutathione metabolism in foetal and newborn rat liver. Biochemical Journal, 1991, 274, 891-893.	1.7	68
114	Antioxidant supplements in exercise: worse than useless?. American Journal of Physiology - Endocrinology and Metabolism, 2012, 302, E476-E477.	1.8	68
115	Role of nuclear factor ÎºB and mitogen-activated protein kinase signaling in exercise-induced antioxidant enzyme adaptation. Applied Physiology, Nutrition and Metabolism, 2007, 32, 930-935.	0.9	67
116	Exercise: the lifelong supplement for healthy ageing and slowing down the onset of frailty. Journal of Physiology, 2016, 594, 1989-1999.	1.3	67
117	Mitochondria as sources and targets of damage in cellular aging. Clinical Chemistry and Laboratory Medicine, 2012, 50, 1287-95.	1.4	65
118	A New Frailty Score for Experimental Animals Based on the Clinical Phenotype: Inactivity as a Model of Frailty. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2017, 72, 885-891.	1.7	65
119	Interplay of Oxidants and Antioxidants During Exercise: Implications for Muscle Health. Physician and Sportsmedicine, 2009, 37, 116-123.	1.0	63
120	Decreased urea synthesis in cafeteria-diet-induced obesity in the rat. Biochemical Journal, 1985, 230, 675-681.	1.7	62
121	Growth Hormone Replacement Therapy Prevents Sarcopenia by a Dual Mechanism: Improvement of Protein Balance and of Antioxidant Defenses. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2014, 69, 1186-1198.	1.7	62
122	Age-related increase in xanthine oxidase activity in human plasma and rat tissues. Free Radical Research, 2007, 41, 1195-1200.	1.5	61
123	Pentoxifylline ameliorates cerulein-induced pancreatitis in rats: role of glutathione and nitric oxide. Journal of Pharmacology and Experimental Therapeutics, 2000, 293, 670-6.	1.3	61
124	A Stress-Resistant Lipidomic Signature Confers Extreme Longevity to Humans. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2017, 72, 30-37.	1.7	59
125	RasGrf1 deficiency delays aging in mice. Aging, 2011, 3, 262-276.	1.4	59
126	Effect of xanthine oxidase-generated extracellular superoxide on skeletal muscle force generation. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2010, 298, R2-R8.	0.9	58

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127	Increased Average Longevity among the â€œTour de Franceâ€•Cyclists. International Journal of Sports Medicine, 2011, 32, 644-647.	0.8	58
128	Biology of frailty: Modulation of ageing genes and its importance to prevent age-associated loss of function. Molecular Aspects of Medicine, 2016, 50, 88-108.	2.7	58
129	Effect of oral glutathione on hepatic glutathione levels in rats and mice. British Journal of Nutrition, 1989, 62, 683-691.	1.2	57
130	AZT induces oxidative damage to cardiac mitochondria: Protective effect of vitamins C and E. Life Sciences, 2004, 76, 47-56.	2.0	56
131	An inter-laboratory validation of methods of lipid peroxidation measurement in UVA-treated human plasma samples. Free Radical Research, 2010, 44, 1203-1215.	1.5	56
132	Early, But Not Late Onset Estrogen Replacement Therapy Prevents Oxidative Stress and Metabolic Alterations Caused by Ovariectomy. Antioxidants and Redox Signaling, 2014, 20, 236-246.	2.5	55
133	Gender and age-dependent differences in the mitochondrial apoptogenic pathway in Alzheimer's disease. Free Radical Biology and Medicine, 2008, 44, 2019-2025.	1.3	54
134	Hormonal regulation of pro-inflammatory and lipid peroxidation processes in liver of old ovariectomized female rats. Biogerontology, 2010, 11, 229-243.	2.0	54
135	Moderate Exercise Improves Experimental Cancer Cachexia by Modulating the Redox Homeostasis. Cancers, 2019, 11, 285.	1.7	54
136	Centenarians: An excellent example of resilience for successful ageing. Mechanisms of Ageing and Development, 2020, 186, 111199.	2.2	54
137	Mitochondrial DNA sequences are present inside nuclear DNA in rat tissues and increase with age. Mitochondrion, 2010, 10, 479-486.	1.6	53
138	Physical exercise neuroprotects ovariectomized 3xTg-AD mice through BDNF mechanisms. Psychoneuroendocrinology, 2014, 45, 154-166.	1.3	53
139	Contraction of human airways by oxidative stress. Free Radical Biology and Medicine, 1999, 27, 392-400.	1.3	52
140	Antioxidant Pathways in Alzheimers Disease: Possibilities of Intervention. Current Pharmaceutical Design, 2011, 17, 3861-3864.	0.9	51
141	Exceptional human longevity is associated with a specific plasma phenotype of ether lipids. Redox Biology, 2019, 21, 101127.	3.9	51
142	Role of glutathione in cell nucleus. Free Radical Research, 2010, 44, 721-733.	1.5	50
143	The dual role of p53: DNA protection and antioxidant. Free Radical Research, 2011, 45, 643-652.	1.5	50
144	Sex Differences in Age-Associated Type 2 Diabetes in Ratsâ€”Role of Estrogens and Oxidative Stress. Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-13.	1.9	50

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145	Glutathione, oxidative stress and aging. Age, 1996, 19, 129-139.	3.0	49
146	Antioxidant administration to the mother prevents oxidative stress associated with birth in the neonatal rat. Life Sciences, 1994, 54, 2055-2059.	2.0	48
147	Modulation of longevity-associated genes by estrogens or phytoestrogens. Biological Chemistry, 2008, 389, 273-277.	1.2	48
148	Decreased cell proliferation and higher oxidative stress in fibroblasts from Down Syndrome fetuses. Preliminary study. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2014, 1842, 116-125.	1.8	48
149	[21] Assay of blood glutathione oxidation during physical exercise. Methods in Enzymology, 1995, 251, 237-243.	0.4	47
150	Effect of Long-term Dietary Antioxidant Supplementation on Influenza Virus Infection. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2000, 55, B496-B503.	1.7	47
151	Melatonin and oestrogen treatments were able to improve neuroinflammation and apoptotic processes in dentate gyrus of old ovariectomized female rats. Age, 2014, 36, 9707.	3.0	47
152	[35] Determination of oxidized glutathione in blood: High-performance liquid chromatography. Methods in Enzymology, 1994, 234, 367-371.	0.4	46
153	Women Live Longer than Men: Understanding Molecular Mechanisms Offers Opportunities to Intervene by Using Estrogenic Compounds. Antioxidants and Redox Signaling, 2010, 13, 269-278.	2.5	46
154	Roles of sedentary aging and lifelong physical activity in exchange of glutathione across exercising human skeletal muscle. Free Radical Biology and Medicine, 2014, 73, 166-173.	1.3	46
155	Epigenetic biomarkers: A new perspective in laboratory diagnostics. Clinica Chimica Acta, 2012, 413, 1576-1582.	0.5	45
156	Circadian System Functionality, Hippocampal Oxidative Stress, and Spatial Memory in the APPswe/PS1dE9 Transgenic Model of Alzheimer Disease: Effects of Melatonin or Ramelteon. Chronobiology International, 2012, 29, 822-834.	0.9	44
157	Mitochondrial Damage in Aging and Apoptosis. Annals of the New York Academy of Sciences, 2002, 959, 448-451.	1.8	43
158	Mitochondrial Oxidant Signalling in Alzheimer's Disease. Journal of Alzheimer's Disease, 2007, 11, 175-181.	1.2	43
159	Free [NADH]/[NAD+] regulates sirtuin expression. Archives of Biochemistry and Biophysics, 2011, 512, 24-29.	1.4	43
160	Mitochondrial biogenesis fails in secondary biliary cirrhosis in rats leading to mitochondrial DNA depletion and deletions. American Journal of Physiology - Renal Physiology, 2011, 301, G119-G127.	1.6	43
161	Role of prolactin in amino acid uptake by the lactating mammary gland of the rat. FEBS Letters, 1981, 126, 250-252.	1.3	42
162	Regulation of glutathione metabolism in Ehrlich ascites tumour cells. Biochemical Journal, 1992, 286, 257-262.	1.7	42

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163	A role for gammaâ€glutamyl transpeptidase and the amino acid transport system xcâ€in cystine transport by a human pancreatic duct cell line.. Journal of Physiology, 1995, 485, 167-177.	1.3	42
164	Involvement of Î³-glutamyltransferase in amino-acid uptake by the lactating mammary gland of the rat. Biochemical Journal, 1981, 194, 99-102.	1.7	41
165	Alzheimer's disease: Only prevention makes sense. European Journal of Clinical Investigation, 2018, 48, e13005.	1.7	41
166	Role of Free Radicals and Antioxidant Signaling in Skeletal Muscle Health and Pathology. Infectious Disorders - Drug Targets, 2009, 9, 428-444.	0.4	41
167	Reductive stress in young healthy individuals at risk of Alzheimer disease. Free Radical Biology and Medicine, 2013, 63, 274-279.	1.3	40
168	PTEN Mediates the Antioxidant Effect of Resveratrol at Nutritionally Relevant Concentrations. BioMed Research International, 2014, 2014, 1-6.	0.9	40
169	Reductive Stress: A New Concept in Alzheimer's Disease. Current Alzheimer Research, 2016, 13, 206-211.	0.7	40
170	Repeated muscle biopsies through a single skin incision do not elicit muscle signaling, but IL-6 mRNA and STAT3 phosphorylation increase in injured muscle. Journal of Applied Physiology, 2011, 110, 1708-1715.	1.2	39
171	Human exceptional longevity: transcriptome from centenarians is distinct from septuagenarians and reveals a role of Bcl-xL in successful aging. Aging, 2016, 8, 3185-3208.	1.4	39
172	Role of p16INK4a and BMI-1 in oxidative stress-induced premature senescence in human dental pulp stem cells. Redox Biology, 2017, 12, 690-698.	3.9	39
173	The effect of cysteine and N-acetyl cysteine on rat liver glutathione (GSH). Biochemical Pharmacology, 1983, 32, 3483-3485.	2.0	38
174	Impairment of cysteine synthesis from methionine in rats exposed to surgical stress. British Journal of Nutrition, 1992, 68, 421-429.	1.2	37
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