

# Gustavo Barja

## List of Publications by Citations

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124  
papers

9,667  
citations

55  
h-index

97  
g-index

131  
ext. papers

10,367  
ext. citations

4.9  
avg, IF

6.56  
L-index

#	Paper	IF	Citations
124	Free radicals and aging. <i>Trends in Neurosciences</i> , <b>2004</b> , 27, 595-600	13.3	463
123	Oxidative damage to mitochondrial DNA is inversely related to maximum life span in the heart and brain of mammals. <i>FASEB Journal</i> , <b>2000</b> , 14, 312-8	0.9	422
122	Mitochondrial oxygen radical generation and leak: sites of production in states 4 and 3, organ specificity, and relation to aging and longevity. <i>Journal of Bioenergetics and Biomembranes</i> , <b>1999</b> , 31, 347-66	3.7	354
121	Caloric restriction decreases mitochondrial free radical generation at complex I and lowers oxidative damage to mitochondrial DNA in the rat heart. <i>FASEB Journal</i> , <b>2001</b> , 15, 1589-91	0.9	314
120	The rate of free radical production as a determinant of the rate of aging: evidence from the comparative approach. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , <b>1998</b> , 168, 149-58	2.2	277
119	Influence of aging and long-term caloric restriction on oxygen radical generation and oxidative DNA damage in rat liver mitochondria. <i>Free Radical Biology and Medicine</i> , <b>2002</b> , 32, 882-9	7.8	230
118	Minireview: the role of oxidative stress in relation to caloric restriction and longevity. <i>Endocrinology</i> , <b>2005</b> , 146, 3713-7	4.8	215
117	Low mitochondrial free radical production per unit O <sub>2</sub> consumption can explain the simultaneous presence of high longevity and high aerobic metabolic rate in birds. <i>Free Radical Research</i> , <b>1994</b> , 21, 317-27	4.7	214
116	Membrane fatty acid unsaturation, protection against oxidative stress, and maximum life span: a homeoviscous-longevity adaptation?. <i>Annals of the New York Academy of Sciences</i> , <b>2002</b> , 959, 475-90	6.5	202
115	Updating the mitochondrial free radical theory of aging: an integrated view, key aspects, and confounding concepts. <i>Antioxidants and Redox Signaling</i> , <b>2013</b> , 19, 1420-45	8.4	196
114	Mitochondrial free radical production and aging in mammals and birds. <i>Annals of the New York Academy of Sciences</i> , <b>1998</b> , 854, 224-38	6.5	194
113	Is the mitochondrial free radical theory of aging intact?. <i>Antioxidants and Redox Signaling</i> , <b>2006</b> , 8, 582-98	8.4	190
112	Methionine restriction decreases mitochondrial oxygen radical generation and leak as well as oxidative damage to mitochondrial DNA and proteins. <i>FASEB Journal</i> , <b>2006</b> , 20, 1064-73	0.9	188
111	Mitochondrial oxidative stress, aging and caloric restriction: the protein and methionine connection. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , <b>2006</b> , 1757, 496-508	4.6	187
110	Sites and mechanisms responsible for the low rate of free radical production of heart mitochondria in the long-lived pigeon. <i>Mechanisms of Ageing and Development</i> , <b>1997</b> , 98, 95-111	5.6	185
109	Mitochondrial oxygen consumption and reactive oxygen species production are independently modulated: implications for aging studies. <i>Rejuvenation Research</i> , <b>2007</b> , 10, 215-24	2.6	182
108	Rate of generation of oxidative stress-related damage and animal longevity. <i>Free Radical Biology and Medicine</i> , <b>2002</b> , 33, 1167-72	7.8	181

107	Aging in vertebrates, and the effect of caloric restriction: a mitochondrial free radical production-DNA damage mechanism?. <i>Biological Reviews</i> , <b>2004</b> , 79, 235-51	13.5	171
106	Endogenous oxidative stress: relationship to aging, longevity and caloric restriction. <i>Ageing Research Reviews</i> , <b>2002</b> , 1, 397-411	12	171
105	Mitochondrial membrane peroxidizability index is inversely related to maximum life span in mammals. <i>Journal of Lipid Research</i> , <b>1998</b> , 39, 1989-1994	6.3	169
104	Localization at complex I and mechanism of the higher free radical production of brain nonsynaptic mitochondria in the short-lived rat than in the longevous pigeon. <i>Journal of Bioenergetics and Biomembranes</i> , <b>1998</b> , 30, 235-43	3.7	165
103	H <sub>2</sub> O <sub>2</sub> production of heart mitochondria and aging rate are slower in canaries and parakeets than in mice: sites of free radical generation and mechanisms involved. <i>Mechanisms of Ageing and Development</i> , <b>1998</b> , 103, 133-46	5.6	142
102	The quantitative measurement of H <sub>2</sub> O <sub>2</sub> generation in isolated mitochondria. <i>Journal of Bioenergetics and Biomembranes</i> , <b>2002</b> , 34, 227-33	3.7	137
101	Dietary restriction at old age lowers mitochondrial oxygen radical production and leak at complex I and oxidative DNA damage in rat brain. <i>Journal of Bioenergetics and Biomembranes</i> , <b>2005</b> , 37, 83-90	3.7	133
100	Localization of the site of oxygen radical generation inside the complex I of heart and nonsynaptic brain mammalian mitochondria. <i>Journal of Bioenergetics and Biomembranes</i> , <b>2000</b> , 32, 609-15	3.7	128
99	Effect of short-term caloric restriction on H <sub>2</sub> O <sub>2</sub> production and oxidative DNA damage in rat liver mitochondria and location of the free radical source. <i>Journal of Bioenergetics and Biomembranes</i> , <b>2001</b> , 33, 279-87	3.7	121
98	Low fatty acid unsaturation protects against lipid peroxidation in liver mitochondria from long-lived species: the pigeon and human case. <i>Mechanisms of Ageing and Development</i> , <b>1996</b> , 86, 53-66	5.6	121
97	ADP-regulation of mitochondrial free radical production is different with complex I- or complex II-linked substrates: implications for the exercise paradox and brain hypermetabolism. <i>Journal of Bioenergetics and Biomembranes</i> , <b>1997</b> , 29, 241-9	3.7	113
96	The mitochondrial free radical theory of aging. <i>Progress in Molecular Biology and Translational Science</i> , <b>2014</b> , 127, 1-27	4	110
95	Oxidative, glycoxidative and lipoxidative damage to rat heart mitochondrial proteins is lower after 4 months of caloric restriction than in age-matched controls. <i>Mechanisms of Ageing and Development</i> , <b>2002</b> , 123, 1437-46	5.6	108
94	A low degree of fatty acid unsaturation leads to lower lipid peroxidation and lipoxidation-derived protein modification in heart mitochondria of the longevous pigeon than in the short-lived rat. <i>Mechanisms of Ageing and Development</i> , <b>1999</b> , 106, 283-96	5.6	105
93	Protein restriction without strong caloric restriction decreases mitochondrial oxygen radical production and oxidative DNA damage in rat liver. <i>Journal of Bioenergetics and Biomembranes</i> , <b>2004</b> , 36, 545-52	3.7	104
92	Highly resistant macromolecular components and low rate of generation of endogenous damage: two key traits of longevity. <i>Ageing Research Reviews</i> , <b>2007</b> , 6, 189-210	12	101
91	Resveratrol, melatonin, vitamin E, and PBN protect against renal oxidative DNA damage induced by the kidney carcinogen KBrO <sub>3</sub> . <i>Free Radical Biology and Medicine</i> , <b>1999</b> , 26, 1531-7	7.8	98
90	Double bond content of phospholipids and lipid peroxidation negatively correlate with maximum longevity in the heart of mammals. <i>Mechanisms of Ageing and Development</i> , <b>2000</b> , 112, 169-83	5.6	93

89	Forty percent and eighty percent methionine restriction decrease mitochondrial ROS generation and oxidative stress in rat liver. <i>Biogerontology</i> , <b>2008</b> , 9, 183-96	4.5	92
88	Regulation of longevity and oxidative stress by nutritional interventions: role of methionine restriction. <i>Experimental Gerontology</i> , <b>2013</b> , 48, 1030-42	4.5	91
87	Maximum life span in vertebrates: relationship with liver antioxidant enzymes, glutathione system, ascorbate, urate, sensitivity to peroxidation, true malondialdehyde, in vivo H <sub>2</sub> O <sub>2</sub> , and basal and maximum aerobic capacity. <i>Mechanisms of Ageing and Development</i> , <b>1993</b> , 70, 177-99	5.6	87
86	Dietary protein restriction decreases oxidative protein damage, peroxidizability index, and mitochondrial complex I content in rat liver. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>2007</b> , 62, 352-60	6.4	82
85	Forty percent methionine restriction decreases mitochondrial oxygen radical production and leak at complex I during forward electron flow and lowers oxidative damage to proteins and mitochondrial DNA in rat kidney and brain mitochondria. <i>Rejuvenation Research</i> , <b>2009</b> , 12, 421-34	2.6	81
84	Effect of thyroid status on lipid composition and peroxidation in the mouse liver. <i>Free Radical Biology and Medicine</i> , <b>1999</b> , 26, 73-80	7.8	75
83	Effects of fasting on oxidative stress in rat liver mitochondria. <i>Free Radical Research</i> , <b>2006</b> , 40, 339-47	4	72
82	Forty percent methionine restriction lowers DNA methylation, complex I ROS generation, and oxidative damage to mtDNA and mitochondrial proteins in rat heart. <i>Journal of Bioenergetics and Biomembranes</i> , <b>2011</b> , 43, 699-708	3.7	70
81	Low fatty acid unsaturation: a mechanism for lowered lipoperoxidative modification of tissue proteins in mammalian species with long life spans. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>2000</b> , 55, B286-91	6.4	69
80	Dietary vitamin C decreases endogenous protein oxidative damage, malondialdehyde, and lipid peroxidation and maintains fatty acid unsaturation in the guinea pig liver. <i>Free Radical Biology and Medicine</i> , <b>1994</b> , 17, 105-15	7.8	68
79	A decrease of free radical production near critical targets as a cause of maximum longevity in animals. <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , <b>1994</b> , 108, 501-12		66
78	Lowered methionine ingestion as responsible for the decrease in rodent mitochondrial oxidative stress in protein and dietary restriction possible implications for humans. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2008</b> , 1780, 1337-47	4	63
77	Methionine restriction decreases endogenous oxidative molecular damage and increases mitochondrial biogenesis and uncoupling protein 4 in rat brain. <i>Rejuvenation Research</i> , <b>2007</b> , 10, 473-84	2.6	63
76	Effect of thyroid hormones on mitochondrial oxygen free radical production and DNA oxidative damage in the rat heart. <i>Molecular and Cellular Endocrinology</i> , <b>2000</b> , 168, 127-34	4.4	63
75	Simultaneous induction of sod, glutathione reductase, GSH, and ascorbate in liver and kidney correlates with survival during aging. <i>Free Radical Biology and Medicine</i> , <b>1993</b> , 15, 133-42	7.8	63
74	Modification of the longevity-related degree of fatty acid unsaturation modulates oxidative damage to proteins and mitochondrial DNA in liver and brain. <i>Experimental Gerontology</i> , <b>2004</b> , 39, 725-33	4.5	62
73	Membrane lipid unsaturation as physiological adaptation to animal longevity. <i>Frontiers in Physiology</i> , <b>2013</b> , 4, 372	4.6	60
72	Effect of insulin and growth hormone on rat heart and liver oxidative stress in control and caloric restricted animals. <i>Biogerontology</i> , <b>2005</b> , 6, 15-26	4.5	60

71	Rapamycin reverses age-related increases in mitochondrial ROS production at complex I, oxidative stress, accumulation of mtDNA fragments inside nuclear DNA, and lipofuscin level, and increases autophagy, in the liver of middle-aged mice. <i>Experimental Gerontology</i> , <b>2016</b> , 83, 130-8	4.5	60
70	Evaluation of sex differences on mitochondrial bioenergetics and apoptosis in mice. <i>Experimental Gerontology</i> , <b>2007</b> , 42, 173-82	4.5	58
69	Protein and lipid oxidative damage and complex I content are lower in the brain of budgerigar and canaries than in mice. Relation to aging rate. <i>Age</i> , <b>2005</b> , 27, 267-80		55
68	Protein methionine content and MDA-lysine adducts are inversely related to maximum life span in the heart of mammals. <i>Mechanisms of Ageing and Development</i> , <b>2005</b> , 126, 1106-14	5.6	54
67	Correlation of fatty acid unsaturation of the major liver mitochondrial phospholipid classes in mammals to their maximum life span potential. <i>Lipids</i> , <b>2001</b> , 36, 491-8	1.6	53
66	Effect of methionine dietary supplementation on mitochondrial oxygen radical generation and oxidative DNA damage in rat liver and heart. <i>Journal of Bioenergetics and Biomembranes</i> , <b>2009</b> , 41, 309-21	3.7	52
65	Effects of aging and methionine restriction applied at old age on ROS generation and oxidative damage in rat liver mitochondria. <i>Biogerontology</i> , <b>2012</b> , 13, 399-411	4.5	51
64	Carbohydrate restriction does not change mitochondrial free radical generation and oxidative DNA damage. <i>Journal of Bioenergetics and Biomembranes</i> , <b>2006</b> , 38, 327-33	3.7	51
63	Effect of the degree of fatty acid unsaturation of rat heart mitochondria on their rates of H <sub>2</sub> O <sub>2</sub> production and lipid and protein oxidative damage. <i>Mechanisms of Ageing and Development</i> , <b>2001</b> , 122, 427-43	5.6	50
62	An evolutionary comparative scan for longevity-related oxidative stress resistance mechanisms in homeotherms. <i>Biogerontology</i> , <b>2011</b> , 12, 409-35	4.5	49
61	Aging increases Nepsilon-(carboxymethyl)lysine and caloric restriction decreases Nepsilon-(carboxyethyl)lysine and Nepsilon-(malondialdehyde)lysine in rat heart mitochondrial proteins. <i>Free Radical Research</i> , <b>2002</b> , 36, 47-54	4	49
60	Effect of 40% restriction of dietary amino acids (except methionine) on mitochondrial oxidative stress and biogenesis, AIF and SIRT1 in rat liver. <i>Biogerontology</i> , <b>2009</b> , 10, 579-92	4.5	47
59	Influence of hyper- and hypothyroidism on lipid peroxidation, unsaturation of phospholipids, glutathione system and oxidative damage to nuclear and mitochondrial DNA in mice skeletal muscle. <i>Molecular and Cellular Biochemistry</i> , <b>2001</b> , 221, 41-8	4.2	47
58	Effect of 8.5% and 25% caloric restriction on mitochondrial free radical production and oxidative stress in rat liver. <i>Biogerontology</i> , <b>2007</b> , 8, 555-66	4.5	43
57	Oxidative DNA damage estimated by oxo8dG in the liver of guinea-pigs supplemented with graded dietary doses of ascorbic acid and alpha-tocopherol. <i>Carcinogenesis</i> , <b>1997</b> , 18, 2373-7	4.6	42
56	Longevity and antioxidant enzymes, non-enzymatic antioxidants and oxidative stress in the vertebrate lung: a comparative study. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , <b>1994</b> , 163, 682-9	2.2	42
55	Thyroid hormone-induced oxidative damage on lipids, glutathione and DNA in the mouse heart. <i>Free Radical Research</i> , <b>2001</b> , 35, 417-25	4	41
54	Thyroid status modulates glycooxidative and lipoxidative modification of tissue proteins. <i>Free Radical Biology and Medicine</i> , <b>1999</b> , 27, 901-10	7.8	41

53	Mitochondrial DNA sequences are present inside nuclear DNA in rat tissues and increase with age. <i>Mitochondrion</i> , <b>2010</b> , 10, 479-86	4.9	40
52	Effect of lipid restriction on mitochondrial free radical production and oxidative DNA damage. <i>Annals of the New York Academy of Sciences</i> , <b>2006</b> , 1067, 200-9	6.5	40
51	Plasma long-chain free fatty acids predict mammalian longevity. <i>Scientific Reports</i> , <b>2013</b> , 3, 3346	4.9	39
50	Short-term caloric restriction and sites of oxygen radical generation in kidney and skeletal muscle mitochondria. <i>Annals of the New York Academy of Sciences</i> , <b>2004</b> , 1019, 333-42	6.5	39
49	A comparative study of free radicals in vertebrates--II. Non-enzymatic antioxidants and oxidative stress. <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , <b>1993</b> , 105, 757-63		39
48	Towards a unified mechanistic theory of aging. <i>Experimental Gerontology</i> , <b>2019</b> , 124, 110627	4.5	37
47	Vitamin E protects guinea pig liver from lipid peroxidation without depressing levels of antioxidants. <i>International Journal of Biochemistry and Cell Biology</i> , <b>1995</b> , 27, 1175-81	5.6	37
46	Oxygen radicals, a failure or a success of evolution?. <i>Free Radical Research Communications</i> , <b>1993</b> , 18, 63-70		37
45	Testing the vicious cycle theory of mitochondrial ROS production: effects of H <sub>2</sub> O <sub>2</sub> and cumene hydroperoxide treatment on heart mitochondria. <i>Journal of Bioenergetics and Biomembranes</i> , <b>2006</b> , 38, 121-7	3.7	36
44	Increase in heart glutathione redox ratio and total antioxidant capacity and decrease in lipid peroxidation after vitamin E dietary supplementation in guinea pigs. <i>Free Radical Biology and Medicine</i> , <b>1996</b> , 21, 907-15	7.8	36
43	Effect of time of restriction on the decrease in mitochondrial H <sub>2</sub> O <sub>2</sub> production and oxidative DNA damage in the heart of food-restricted rats. <i>Microscopy Research and Technique</i> , <b>2002</b> , 59, 273-7	2.8	35
42	A comparative study of free radicals in vertebrates--I. Antioxidant enzymes. <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , <b>1993</b> , 105, 749-55		34
41	Cysteine dietary supplementation reverses the decrease in mitochondrial ROS production at complex I induced by methionine restriction. <i>Journal of Bioenergetics and Biomembranes</i> , <b>2015</b> , 47, 199-208	3.7	32
40	Effect of every other day feeding on mitochondrial free radical production and oxidative stress in mouse liver. <i>Rejuvenation Research</i> , <b>2008</b> , 11, 621-9	2.6	30
39	Endotoxin increases oxidative injury to proteins in guinea pig liver: protection by dietary vitamin C. <i>Basic and Clinical Pharmacology and Toxicology</i> , <b>1998</b> , 82, 11-8		29
38	Effect of graded corticosterone treatment on aging-related markers of oxidative stress in rat liver mitochondria. <i>Biogerontology</i> , <b>2007</b> , 8, 1-11	4.5	29
37	Long-lived Ames dwarf mice: Oxidative damage to mitochondrial DNA in heart and brain. <i>Journal of the American Aging Association</i> , <b>2002</b> , 25, 119-22		29
36	Methionine and homocysteine modulate the rate of ROS generation of isolated mitochondria in vitro. <i>Journal of Bioenergetics and Biomembranes</i> , <b>2011</b> , 43, 377-86	3.7	26

35	Effect of dietary vitamin E levels on fatty acid profiles and nonenzymatic lipid peroxidation in the guinea pig liver. <i>Lipids</i> , <b>1996</b> , 31, 963-70	1.6	26
34	Relationship between lipid peroxidation, fatty acid composition, and ascorbic acid in the liver during carbohydrate and caloric restriction in mice. <i>Archives of Biochemistry and Biophysics</i> , <b>1993</b> , 306, 59-64	4.1	26
33	Caloric and carbohydrate restriction in the kidney: effects on free radical metabolism. <i>Experimental Gerontology</i> , <b>1994</b> , 29, 77-88	4.5	26
32	Short-term caloric restriction and regulatory proteins of apoptosis in heart, skeletal muscle and kidney of Fischer 344 rats. <i>Biogerontology</i> , <b>2003</b> , 4, 141-7	4.5	22
31	Deprenyl protects from MPTP-induced Parkinson-like syndrome and glutathione oxidation in rat striatum. <i>Toxicology</i> , <b>2002</b> , 170, 165-71	4.4	20
30	Formation of S-(carboxymethyl)-cysteine in rat liver mitochondrial proteins: effects of caloric and methionine restriction. <i>Amino Acids</i> , <b>2013</b> , 44, 361-71	3.5	19
29	Endotoxin depletes ascorbate in the guinea pig heart. Protective effects of vitamins C and E against oxidative stress. <i>Life Sciences</i> , <b>1996</b> , 59, 649-57	6.8	19
28	The gene cluster hypothesis of aging and longevity. <i>Biogerontology</i> , <b>2008</b> , 9, 57-66	4.5	18
27	Lifelong treatment with atenolol decreases membrane fatty acid unsaturation and oxidative stress in heart and skeletal muscle mitochondria and improves immunity and behavior, without changing mice longevity. <i>Aging Cell</i> , <b>2014</b> , 13, 551-60	9.9	17
26	Effect of aging on mitochondrial and nuclear DNA oxidative damage in the heart and brain throughout the life-span of the rat. <i>Journal of the American Aging Association</i> , <b>2001</b> , 24, 45-50		17
25	Long lifespans have evolved with long and monounsaturated fatty acids in birds. <i>Evolution; International Journal of Organic Evolution</i> , <b>2015</b> , 69, 2776-84	3.8	16
24	Vitamin E decreases urine lipid peroxidation products in young healthy human volunteers under normal conditions. <i>Basic and Clinical Pharmacology and Toxicology</i> , <b>1996</b> , 79, 247-53		15
23	Effect of dietary vitamin C and catalase inhibition of antioxidants and molecular markers of oxidative damage in guinea pigs. <i>Free Radical Research</i> , <b>1994</b> , 21, 109-18	4	12
22	Low abundance of NDUFV2 and NDUFS4 subunits of the hydrophilic complex I domain and VDAC1 predicts mammalian longevity. <i>Redox Biology</i> , <b>2020</b> , 34, 101539	11.3	11
21	Phospholipid hydroperoxides and lipid peroxidation in liver and plasma of ODS rats supplemented with alpha-tocopherol and ascorbic acid. <i>Free Radical Research</i> , <b>1996</b> , 24, 485-93	4	11
20	The beta-blocker atenolol lowers the longevity-related degree of fatty acid unsaturation, decreases protein oxidative damage, and increases extracellular signal-regulated kinase signaling in the heart of C57BL/6 mice. <i>Rejuvenation Research</i> , <b>2010</b> , 13, 683-93	2.6	10
19	Role of Olive Oil and Monounsaturated Fatty Acids in Mitochondrial Oxidative Stress and Aging. <i>Nutrition Reviews</i> , <b>2006</b> , 64, S31-S39	6.4	10
18	Regulation of Membrane Unsaturation as Antioxidant Adaptive Mechanism in Long-lived Animal Species. <i>Free Radicals and Antioxidants</i> , <b>2011</b> , 1, 3-12	1.7	9

17	Estimation of the Rate of Production of Oxygen Radicals by Mitochondria <b>2006</b> , 183-189		9
16	Reduced apurinic/apyrimidinic endonuclease 1 activity and increased DNA damage in mitochondria are related to enhanced apoptosis and inflammation in the brain of senescence- accelerated P8 mice (SAMP8). <i>Biogerontology</i> , <b>2016</b> , 17, 325-35	4.5	8
15	Independent and additive effects of atenolol and methionine restriction on lowering rat heart mitochondria oxidative stress. <i>Journal of Bioenergetics and Biomembranes</i> , <b>2014</b> , 46, 159-72	3.7	7
14	Correlations with longevity and body size: to correct or not correct?. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>2014</b> , 69, 1096-8	6.4	6
13	Mitochondrial oxidative stress and caloric restriction. <i>Advances in Cell Aging and Gerontology</i> , <b>2003</b> , 14, 105-122		6
12	Aging Rate, Mitochondrial Free Radical Production, and Constitutive Sensitivity to Lipid Peroxidation: Insights From Comparative Studies <b>2003</b> , 47-64		6
11	Ascorbic acid and aging. <i>Sub-Cellular Biochemistry</i> , <b>1996</b> , 25, 157-88	5.5	6
10	Role of Olive Oil and Monounsaturated Fatty Acids in Mitochondrial Oxidative Stress and Aging. <i>Nutrition Reviews</i> , <b>2006</b> , 64, 31-39	6.4	4
9	Gene expression and regulatory factors of the mechanistic target of rapamycin (mTOR) complex 1 predict mammalian longevity. <i>GeroScience</i> , <b>2020</b> , 42, 1157-1173	8.9	3
8	Mitochondrial Free Radical Production and Caloric Restriction: Implications in Vertebrate Longevity and Aging <b>2008</b> , 149-162		3
7	Is the NDUFV2 subunit of the hydrophilic complex I domain a key determinant of animal longevity?. <i>FEBS Journal</i> , <b>2021</b> , 288, 6652-6673	5.7	3
6	Membrane peroxidation index and maximum lifespan are negatively correlated in fish of the genus. <i>Journal of Experimental Biology</i> , <b>2020</b> , 223,	3	2
5	Mitochondrial base excision repair positively correlates with longevity in the liver and heart of mammals. <i>GeroScience</i> , <b>2020</b> , 42, 653-665	8.9	2
4	Free Radicals and Mammalian Aging 433-472		1
3	Relationship between Fatty Acid Unsaturation, Sensitivity to Lipid Peroxidation, and Maximum Life Span in the Liver of Mammals. <i>Annals of the New York Academy of Sciences</i> , <b>1998</b> , 854, 516-516	6.5	1
2	mTORC1 is also involved in longevity between species. <i>Aging</i> , <b>2021</b> , 13, 14544-14545	5.6	0
1	La restricci3n de metionina en la dieta disminuye el estr3s oxidativo en mitocondrias de coraz3n. <i>Revista Espanola De Geriatria Y Gerontologia</i> , <b>2006</b> , 41, 334-339	1.7	