

# Gustavo Barja

## List of Publications by Year in descending order

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125  
papers

11,281  
citations

22099

59  
h-index

29081

104  
g-index

131  
all docs

131  
docs citations

131  
times ranked

7941  
citing authors

#	ARTICLE	IF	CITATIONS
1	Free radicals and aging. Trends in Neurosciences, 2004, 27, 595-600.	4.2	534
2	Oxidative damage to mitochondrial DNA is inversely related to maximum life span in the heart and brain of mammals. FASEB Journal, 2000, 14, 312-318.	0.2	473
3	Mitochondrial oxygen radical generation and leak: sites of production in states 4 and 3, organ specificity, and relation to aging and longevity. Journal of Bioenergetics and Biomembranes, 1999, 31, 347-366.	1.0	425
4	Caloric restriction decreases mitochondrial free radical generation at complex I and lowers oxidative damage to mitochondrial DNA in the rat heart. FASEB Journal, 2001, 15, 1589-1591.	0.2	340
5	The rate of free radical production as a determinant of the rate of aging: evidence from the comparative approach. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 1998, 168, 149-158.	0.7	316
6	Influence of aging and long-term caloric restriction on oxygen radical generation and oxidative DNA damage in rat liver mitochondria. Free Radical Biology and Medicine, 2002, 32, 882-889.	1.3	252
7	Updating the Mitochondrial Free Radical Theory of Aging: An Integrated View, Key Aspects, and Confounding Concepts. Antioxidants and Redox Signaling, 2013, 19, 1420-1445.	2.5	246
8	Minireview: The Role of Oxidative Stress in Relation to Caloric Restriction and Longevity. Endocrinology, 2005, 146, 3713-3717.	1.4	244
9	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. Free Radical Research, 1994, 21, 317-327.	1.5	243
10	Membrane Fatty Acid Unsaturation, Protection against Oxidative Stress, and Maximum Life Span. Annals of the New York Academy of Sciences, 2002, 959, 475-490.	1.8	233
11	Mitochondrial Free Radical Production and Aging in Mammals and Birds. Annals of the New York Academy of Sciences, 1998, 854, 224-238.	1.8	232
12	Mitochondrial oxidative stress, aging and caloric restriction: The protein and methionine connection. Biochimica Et Biophysica Acta - Bioenergetics, 2006, 1757, 496-508.	0.5	225
13	Is the Mitochondrial Free Radical Theory of Aging Intact?. Antioxidants and Redox Signaling, 2006, 8, 582-599.	2.5	221
14	Methionine restriction decreases mitochondrial oxygen radical generation and leak as well as oxidative damage to mitochondrial DNA and proteins. FASEB Journal, 2006, 20, 1064-1073.	0.2	217
15	Sites and mechanisms responsible for the low rate of free radical production of heart mitochondria in the long-lived pigeon. Mechanisms of Ageing and Development, 1997, 98, 95-111.	2.2	203
16	Rate of generation of oxidative stress-related damage and animal longevity. Free Radical Biology and Medicine, 2002, 33, 1167-1172.	1.3	202
17	Aging in vertebrates, and the effect of caloric restriction: a mitochondrial free radical production-DNA damage mechanism?. Biological Reviews, 2004, 79, 235-251.	4.7	199
18	Mitochondrial membrane peroxidizability index is inversely related to maximum life span in mammals. Journal of Lipid Research, 1998, 39, 1989-1994.	2.0	198

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19	Mitochondrial Oxygen Consumption and Reactive Oxygen Species Production are Independently Modulated: Implications for Aging Studies. <i>Rejuvenation Research</i> , 2007, 10, 215-224.	0.9	195
20	Endogenous oxidative stress: relationship to aging, longevity and caloric restriction. <i>Ageing Research Reviews</i> , 2002, 1, 397-411.	5.0	191
21	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> , 1998, 30, 235-243.	1.0	184
22	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> , 1998, 103, 133-146.	2.2	153
23	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> , 2005, 37, 83-90.	1.0	149
24	The quantitative measurement of H <sub>2</sub> O <sub>2</sub> generation in isolated mitochondria. <i>Journal of Bioenergetics and Biomembranes</i> , 2002, 34, 227-233.	1.0	146
25	The Mitochondrial Free Radical Theory of Aging. <i>Progress in Molecular Biology and Translational Science</i> , 2014, 127, 1-27.	0.9	146
26	Localization of the site of oxygen radical generation inside the complex I of heart and nonsynaptic brain mammalian mitochondria. , 2000, 32, 609-615.		143
27	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> , 2001, 33, 279-287.	1.0	140
28	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> , 1997, 29, 241-249.	1.0	134
29	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> , 1996, 86, 53-66.	2.2	131
30	Regulation of longevity and oxidative stress by nutritional interventions: Role of methionine restriction. <i>Experimental Gerontology</i> , 2013, 48, 1030-1042.	1.2	126
31	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> , 2004, 36, 545-552.	1.0	122
32	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> , 1999, 106, 283-296.	2.2	119
33	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> , 1999, 26, 1531-1537.	1.3	119
34	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> , 2002, 123, 1437-1446.	2.2	117
35	Highly resistant macromolecular components and low rate of generation of endogenous damage: Two key traits of longevity. <i>Ageing Research Reviews</i> , 2007, 6, 189-210.	5.0	117
36	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> , 2000, 112, 169-183.	2.2	107

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37	Forty percent and eighty percent methionine restriction decrease mitochondrial ROS generation and oxidative stress in rat liver. <i>Biogerontology</i> , 2008, 9, 183-196.	2.0	106
38	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> , 1993, 70, 177-199.	2.2	98
39	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> , 2007, 62, 352-360.	1.7	96
40	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> , 2009, 12, 421-434.	0.9	96
41	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> , 2016, 83, 130-138.	1.2	92
42	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> , 1994, 17, 105-115.	1.3	90
43	Effect of thyroid status on lipid composition and peroxidation in the mouse liver. <i>Free Radical Biology and Medicine</i> , 1999, 26, 73-80.	1.3	90
44	Effects of fasting on oxidative stress in rat liver mitochondria. <i>Free Radical Research</i> , 2006, 40, 339-347.	1.5	88
45	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> , 2000, 55, B286-B291.	1.7	82
46	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> , 1993, 15, 133-142.	1.3	80
47	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> , 1994, 108, 501-512.	0.2	80
48	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> , 2011, 43, 699-708.	1.0	80
49	Membrane lipid unsaturation as physiological adaptation to animal longevity. <i>Frontiers in Physiology</i> , 2013, 4, 372.	1.3	79
50	Methionine Restriction Decreases Endogenous Oxidative Molecular Damage and Increases Mitochondrial Biogenesis and Uncoupling Protein 4 in Rat Brain. <i>Rejuvenation Research</i> , 2007, 10, 473-484.	0.9	76
51	Effect of thyroid hormones on mitochondrial oxygen free radical production and DNA oxidative damage in the rat heart. <i>Molecular and Cellular Endocrinology</i> , 2000, 168, 127-134.	1.6	68
52	Lowered methionine ingestion as responsible for the decrease in rodent mitochondrial oxidative stress in protein and dietary restriction. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2008, 1780, 1337-1347.	1.1	68
53	Towards a unified mechanistic theory of aging. <i>Experimental Gerontology</i> , 2019, 124, 110627.	1.2	66
54	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> , 2004, 39, 725-733.	1.2	64

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55	Effect of insulin and growth hormone on rat heart and liver oxidative stress in control and caloric restricted animals. <i>Biogerontology</i> , 2005, 6, 15-26.	2.0	64
56	Evaluation of sex differences on mitochondrial bioenergetics and apoptosis in mice. <i>Experimental Gerontology</i> , 2007, 42, 173-182.	1.2	64
57	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> , 2005, 27, 267-280.	3.0	63
58	Effects of aging and methionine restriction applied at old age on ROS generation and oxidative damage in rat liver mitochondria. <i>Biogerontology</i> , 2012, 13, 399-411.	2.0	62
59	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> , 2009, 41, 309-321.	1.0	61
60	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> , 2005, 126, 1106-1114.	2.2	60
61	An evolutionary comparative scan for longevity-related oxidative stress resistance mechanisms in homeotherms. <i>Biogerontology</i> , 2011, 12, 409-435.	2.0	59
62	Correlation of fatty acid unsaturation of the major liver mitochondrial phospholipid classes in mammals to their maximum life span potential. <i>Lipids</i> , 2001, 36, 491-498.	0.7	58
63	Carbohydrate restriction does not change mitochondrial free radical generation and oxidative DNA damage. <i>Journal of Bioenergetics and Biomembranes</i> , 2006, 38, 327-333.	1.0	57
64	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> , 2001, 221, 41-48.	1.4	55
65	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> , 1993, 105, 757-763.	0.2	54
66	Thyroid hormone-induced oxidative damage on lipids, glutathione and DNA in the mouse heart. <i>Free Radical Research</i> , 2001, 35, 417-425.	1.5	53
67	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> , 2001, 122, 427-443.	2.2	53
68	Aging Increases N epsilon -(Carboxymethyl)lysine and Caloric Restriction Decreases N epsilon -(Carboxyethyl)lysine and N epsilon -(Malondialdehyde)lysine in Rat Heart Mitochondrial Proteins. <i>Free Radical Research</i> , 2002, 36, 47-54.	1.5	53
69	Mitochondrial DNA sequences are present inside nuclear DNA in rat tissues and increase with age. <i>Mitochondrion</i> , 2010, 10, 479-486.	1.6	53
70	Effect of 8.5% and 25% caloric restriction on mitochondrial free radical production and oxidative stress in rat liver. <i>Biogerontology</i> , 2007, 8, 555-566.	2.0	52
71	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> , 2009, 10, 579-592.	2.0	51
72	Plasma long-chain free fatty acids predict mammalian longevity. <i>Scientific Reports</i> , 2013, 3, 3346.	1.6	51

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73	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> , 1994, 163, 682-689.	0.7	50
74	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> , 1997, 18, 2373-2377.	1.3	49
75	Effect of Lipid Restriction on Mitochondrial Free Radical Production and Oxidative DNA Damage. <i>Annals of the New York Academy of Sciences</i> , 2006, 1067, 200-209.	1.8	47
76	A comparative study of free radicals in vertebrates. Antioxidant enzymes. <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , 1993, 105, 749-755.	0.2	46
77	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> , 2006, 38, 121-127.	1.0	46
78	Thyroid status modulates glycooxidative and lipoxidative modification of tissue proteins. <i>Free Radical Biology and Medicine</i> , 1999, 27, 901-910.	1.3	45
79	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> , 1996, 21, 907-915.	1.3	44
80	Commentary: Oxygen Radicals, A Failure Or A Success of Evolution?. <i>Free Radical Research Communications</i> , 1993, 18, 63-70.	1.8	42
81	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> , 2004, 1019, 333-342.	1.8	42
82	Endotoxin Increases Oxidative Injury to Proteins in Guinea Pig Liver: Protection by Dietary Vitamin C. <i>Basic and Clinical Pharmacology and Toxicology</i> , 1998, 82, 11-18.	0.0	40
83	Vitamin E protects guinea pig liver from lipid peroxidation without depressing levels of antioxidants. <i>International Journal of Biochemistry and Cell Biology</i> , 1995, 27, 1175-1181.	1.2	39
84	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> , 2002, 59, 273-277.	1.2	37
85	Effect of Every Other Day Feeding on Mitochondrial Free Radical Production and Oxidative Stress in Mouse Liver. <i>Rejuvenation Research</i> , 2008, 11, 621-629.	0.9	37
86	Cysteine dietary supplementation reverses the decrease in mitochondrial ROS production at complex I induced by methionine restriction. <i>Journal of Bioenergetics and Biomembranes</i> , 2015, 47, 199-208.	1.0	37
87	Methionine and homocysteine modulate the rate of ROS generation of isolated mitochondria in vitro. <i>Journal of Bioenergetics and Biomembranes</i> , 2011, 43, 377-386.	1.0	33
88	Long-lived Ames dwarf mice: Oxidative damage to mitochondrial DNA in heart and brain. <i>Age</i> , 2002, 25, 119-122.	3.0	32
89	Effect of graded corticosterone treatment on aging-related markers of oxidative stress in rat liver mitochondria. <i>Biogerontology</i> , 2007, 8, 1-11.	2.0	31
90	Effect of dietary vitamin E levels on fatty acid profiles and nonenzymatic lipid peroxidation in the guinea pig liver. <i>Lipids</i> , 1996, 31, 963-970.	0.7	29

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91	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> , 1993, 306, 59-64.	1.4	28
92	Caloric and carbohydrate restriction in the kidney: Effects on free radical metabolism. <i>Experimental Gerontology</i> , 1994, 29, 77-88.	1.2	27
93	Endotoxin depletes ascorbate in the guinea pig heart. Protective effects of vitamins C and E against oxidative stress. <i>Life Sciences</i> , 1996, 59, 649-657.	2.0	27
94	Low abundance of NDUFV2 and NDUFS4 subunits of the hydrophilic complex I domain and VDAC1 predicts mammalian longevity. <i>Redox Biology</i> , 2020, 34, 101539.	3.9	24
95	Short-term caloric restriction and regulatory proteins of apoptosis in heart, skeletal muscle and kidney of Fischer 344 rats. <i>Biogerontology</i> , 2003, 4, 141-147.	2.0	22
96	The gene cluster hypothesis of aging and longevity. <i>Biogerontology</i> , 2008, 9, 57-66.	2.0	22
97	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> , 2014, 13, 551-560.	3.0	22
98	Deprenyl protects from MPTP-induced Parkinson-like syndrome and glutathione oxidation in rat striatum. <i>Toxicology</i> , 2002, 170, 165-171.	2.0	21
99	Formation of S-(carboxymethyl)-cysteine in rat liver mitochondrial proteins: effects of caloric and methionine restriction. <i>Amino Acids</i> , 2013, 44, 361-371.	1.2	21
100	Effect of aging on mitochondrial and nuclear DNA oxidative damage in the heart and brain throughout the life-span of the rat. <i>Age</i> , 2001, 24, 45-50.	3.0	19
101	Long lifespans have evolved with long and monounsaturated fatty acids in birds. <i>Evolution; International Journal of Organic Evolution</i> , 2015, 69, 2776-2784.	1.1	18
102	Effect of Dietary Vitamin C and Catalase Inhibition on Antioxidants and Molecular Markers of Oxidative Damage in Guinea Pigs. <i>Free Radical Research</i> , 1994, 21, 109-118.	1.5	17
103	Vitamin E Decreases Urine Lipid Peroxidation Products in Young Healthy Human Volunteers under Normal Conditions. <i>Basic and Clinical Pharmacology and Toxicology</i> , 1996, 79, 247-253.	0.0	17
104	Phospholipid Hydroperoxides and Lipid Peroxidation in Liver and Plasma of ODS Rats Supplemented with $\alpha$ -Tocopherol and Ascorbic Acid. <i>Free Radical Research</i> , 1996, 24, 485-493.	1.5	15
105	Role of Olive Oil and Monounsaturated Fatty Acids in Mitochondrial Oxidative Stress and Aging. <i>Nutrition Reviews</i> , 2006, 64, S31-S39.	2.6	15
106	Mitochondrial base excision repair positively correlates with longevity in the liver and heart of mammals. <i>GeroScience</i> , 2020, 42, 653-665.	2.1	15
107	Is the NDUFV2 subunit of the hydrophilic complex I domain a key determinant of animal longevity?. <i>FEBS Journal</i> , 2021, 288, 6652-6673.	2.2	12
108	Aging Rate, Mitochondrial Free Radical Production, and Constitutive Sensitivity to Lipid Peroxidation: Insights From Comparative Studies. , 2003, , 47-64.		12

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109	Estimation of the Rate of Production of Oxygen Radicals by Mitochondria. , 2006, , 183-189.		11
110	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. Rejuvenation Research, 2010, 13, 683-693.	0.9	11
111	Gene expression and regulatory factors of the mechanistic target of rapamycin (mTOR) complex 1 predict mammalian longevity. GeroScience, 2020, 42, 1157-1173.	2.1	11
112	Ascorbic Acid and Aging. Sub-Cellular Biochemistry, 1996, 25, 157-188.	1.0	11
113	Independent and additive effects of atenolol and methionine restriction on lowering rat heart mitochondria oxidative stress. Journal of Bioenergetics and Biomembranes, 2014, 46, 159-172.	1.0	10
114	Regulation of Membrane Unsaturation as Antioxidant Adaptive Mechanism in Long-lived Animal Species. Free Radicals and Antioxidants, 2011, 1, 3-12.	0.2	9
115	Correlations With Longevity and Body Size: To Correct or Not Correct?. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2014, 69, 1096-1098.	1.7	9
116	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). Biogerontology, 2016, 17, 325-335.	2.0	9
117	Mitochondrial oxidative stress and caloric restriction. Advances in Cell Aging and Gerontology, 2003, 14, 105-122.	0.1	8
118	Role of Olive Oil and Monounsaturated Fatty Acids in Mitochondrial Oxidative Stress and Aging. Nutrition Reviews, 2006, 64, 31-39.	2.6	7
119	Elovl2-Ablation Leads to Mitochondrial Membrane Fatty Acid Remodeling and Reduced Efficiency in Mouse Liver Mitochondria. Nutrients, 2022, 14, 559.	1.7	6
120	Membrane peroxidation index and maximum lifespan are negatively correlated in fish of genus <i>Nothobranchius</i> . Journal of Experimental Biology, 2020, 223, .	0.8	4
121	Mitochondrial Free Radical Production and Caloric Restriction: Implications in Vertebrate Longevity and Aging. , 2008, , 149-162.		3
122	mTORC1 is also involved in longevity between species. Aging, 2021, 13, 14544-14545.	1.4	3
123	Higher DNA repair in mitochondria of long-lived species. Aging, 2021, 13, 21808-21809.	1.4	2
124	Relationship between Fatty Acid Unsaturation, Sensitivity to Lipid Peroxidation, and Maximum Life Span in the Liver of Mammals. Annals of the New York Academy of Sciences, 1998, 854, 516-516.	1.8	1
125	La restricci3n de metionina en la dieta disminuye el estr3s oxidativo en mitocondrias de coraz3n. Revista Espanola De Geriatria Y Gerontologia, 2006, 41, 334-339.	0.2	0