

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

25 papers	1,063 citations	19 h-index	26 g-index
26 ext. papers	1,187 ext. citations	4.2 avg, IF	3.49 L-index

#	Paper	IF	Citations
25	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	3.7	133
24	Forty percent and eighty percent methionine restriction decrease mitochondrial ROS generation and oxidative stress in rat liver. <i>Biogerontology</i> , 2008 , 9, 183-96	4.5	92
23	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, 421-34	2.6	81
22	Effects of fasting on oxidative stress in rat liver mitochondria. <i>Free Radical Research</i> , 2006 , 40, 339-47	4	72
21	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	3.7	70
20	Methionine restriction decreases endogenous oxidative molecular damage and increases mitochondrial biogenesis and uncoupling protein 4 in rat brain. <i>Rejuvenation Research</i> , 2007 , 10, 473-84	2.6	63
19	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, 130-8	4.5	60
18	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, 309-23	3.7	52
17	Carbohydrate restriction does not change mitochondrial free radical generation and oxidative DNA damage. <i>Journal of Bioenergetics and Biomembranes</i> , 2006 , 38, 327-33	3.7	51
16	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, 579-92	4.5	47
15	Effect of 8.5% and 25% caloric restriction on mitochondrial free radical production and oxidative stress in rat liver. <i>Biogerontology</i> , 2007 , 8, 555-66	4.5	43
14	Mitochondrial DNA sequences are present inside nuclear DNA in rat tissues and increase with age. <i>Mitochondrion</i> , 2010 , 10, 479-86	4.9	40
13	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, 200-9	6.5	40
12	Testing the vicious cycle theory of mitochondrial ROS production: effects of H ₂ O ₂ and cumene hydroperoxide treatment on heart mitochondria. <i>Journal of Bioenergetics and Biomembranes</i> , 2006 , 38, 121-7	3.7	36
11	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	3.7	32
10	Effect of every other day feeding on mitochondrial free radical production and oxidative stress in mouse liver. <i>Rejuvenation Research</i> , 2008 , 11, 621-9	2.6	30
9	Effect of graded corticosterone treatment on aging-related markers of oxidative stress in rat liver mitochondria. <i>Biogerontology</i> , 2007 , 8, 1-11	4.5	29

8	Methionine and homocysteine modulate the rate of ROS generation of isolated mitochondria in vitro. <i>Journal of Bioenergetics and Biomembranes</i> , 2011 , 43, 377-86	3.7	26
7	Formation of S-(carboxymethyl)-cysteine in rat liver mitochondrial proteins: effects of caloric and methionine restriction. <i>Amino Acids</i> , 2013 , 44, 361-71	3.5	19
6	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, 551-60	9.9	17
5	Low abundance of NDUFV2 and NDUF54 subunits of the hydrophilic complex I domain and VDAC1 predicts mammalian longevity. <i>Redox Biology</i> , 2020 , 34, 101539	11.3	11
4	The β-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> , 2010 , 13, 683-93	2.6	10
3	Independent and additive effects of atenolol and methionine restriction on lowering rat heart mitochondria oxidative stress. <i>Journal of Bioenergetics and Biomembranes</i> , 2014 , 46, 159-72	3.7	7
2	La restricci3n de metionina en la dieta disminuye el estr3s oxidativo en mitocondrias de coraz3n. <i>Revista Espanola De Geriatria Y Gerontologia</i> , 2006 , 41, 334-339	1.7	
1	"Shikonin inhibits microglia activation and reduces CFA-induced mechanical hyperalgesia in an animal model of pain".. <i>Biomedicine and Pharmacotherapy</i> , 2022 , 150, 112961	7.5	