

Christian Cortes-Rojo

List of Publications by Year in descending order

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47
papers

758
citations

516710
16
h-index

552781
26
g-index

51
all docs

51
docs citations

51
times ranked

1133
citing authors

#	ARTICLE	IF	CITATIONS
1	Ferritin levels and COVID-19. Revista Panamericana De Salud Publica/Pan American Journal of Public Health, 2020, 44, 1.	1.1	114
2	Malfunctioning of the Iron-Sulfur Cluster Assembly Machinery in <i>Saccharomyces cerevisiae</i> Produces Oxidative Stress via an Iron-Dependent Mechanism, Causing Dysfunction in Respiratory Complexes. PLoS ONE, 2014, 9, e111585.	2.5	42
3	Oxidative stress and antioxidant response in a thermotolerant yeast. Brazilian Journal of Microbiology, 2017, 48, 326-332.	2.0	42
4	Avocado Oil Improves Mitochondrial Function and Decreases Oxidative Stress in Brain of Diabetic Rats. Journal of Diabetes Research, 2015, 2015, 1-9.	2.3	41
5	Dietary avocado oil supplementation attenuates the alterations induced by type I diabetes and oxidative stress in electron transfer at the complex II-complex III segment of the electron transport chain in rat kidney mitochondria. Journal of Bioenergetics and Biomembranes, 2013, 45, 271-287.	2.3	40
6	Protective effects of dietary avocado oil on impaired electron transport chain function and exacerbated oxidative stress in liver mitochondria from diabetic rats. Journal of Bioenergetics and Biomembranes, 2015, 47, 337-353.	2.3	36
7	Interplay between NADH oxidation by complex I, glutathione redox state and sirtuin-3, and its role in the development of insulin resistance. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2020, 1866, 165801.	3.8	36
8	Elucidation of the effects of lipoperoxidation on the mitochondrial electron transport chain using yeast mitochondria with manipulated fatty acid content. Journal of Bioenergetics and Biomembranes, 2009, 41, 15-28.	2.3	35
9	The severity of rat liver injury by fructose and high fat depends on the degree of respiratory dysfunction and oxidative stress induced in mitochondria. Lipids in Health and Disease, 2019, 18, 78.	3.0	33
10	Effects of diabetes on oxidative and nitrosative stress in kidney mitochondria from aged rats. Journal of Bioenergetics and Biomembranes, 2014, 46, 511-518.	2.3	27
11	Comparative effects of avocado oil and losartan on blood pressure, renal vascular function, and mitochondrial oxidative stress in hypertensive rats. Nutrition, 2018, 54, 60-67.	2.4	27
12	Hypolipidemic Activity of <i>Eryngium carlinae</i> on Streptozotocin-Induced Diabetic Rats. Biochemistry Research International, 2012, 2012, 1-5.	3.3	21
13	Avocado oil induces long-term alleviation of oxidative damage in kidney mitochondria from type 2 diabetic rats by improving glutathione status. Journal of Bioenergetics and Biomembranes, 2017, 49, 205-214.	2.3	20
14	Importance of Oxidative Damage on the Electron Transport Chain for the Rational Use of Mitochondria-Targeted Antioxidants. Mini-Reviews in Medicinal Chemistry, 2011, 11, 625-632.	2.4	19
15	Mitochondrial response to oxidative and nitrosative stress in early stages of diabetes. Mitochondrion, 2013, 13, 835-840.	3.4	19
16	Electron transport chain of <i>Saccharomyces cerevisiae</i> mitochondria is inhibited by H_2O_2 at succinate-cytochrome <i>c</i> oxidoreductase level without lipid peroxidation involvement. Free Radical Research, 2007, 41, 1212-1223.	3.3	18
17	Changes in mitochondrial functionality and calcium uptake in hypertensive rats as a function of age. Mitochondrion, 2008, 8, 262-272.	3.4	17
18	Protective effects of resveratrol on calcium-induced oxidative stress in rat heart mitochondria. Journal of Bioenergetics and Biomembranes, 2011, 43, 101-107.	2.3	15

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19	Nicorandil improves post-fatigue tension in slow skeletal muscle fibers by modulating glutathione redox state. <i>Journal of Bioenergetics and Biomembranes</i> , 2017, 49, 159-170.	2.3	13
20	Fatty acid addition and thermotolerance of <i>Kluyveromyces marxianus</i> . <i>FEMS Microbiology Letters</i> , 2018, 365, .	1.8	13
21	Effects of dietary iron restriction on kidney mitochondria function and oxidative stress in streptozotocin-diabetic rats. <i>Mitochondrion</i> , 2020, 54, 41-48.	3.4	13
22	Glutathione levels influence chronological life span of <i>Saccharomyces cerevisiae</i> in a glucose-dependent manner. <i>Yeast</i> , 2018, 35, 387-396.	1.7	11
23	Effect of D-amino acids on some mitochondrial functions in rat liver. <i>Amino Acids</i> , 2003, 24, 163-169.	2.7	9
24	Characterization of the effects of a polyunsaturated fatty acid (PUFA) on mitochondrial bioenergetics of chronologically aged yeast. <i>Journal of Bioenergetics and Biomembranes</i> , 2014, 46, 205-220.	2.3	9
25	Glutathione peroxidase 2 (Gpx2) preserves mitochondrial function and decreases ROS levels in chronologically aged yeast. <i>Free Radical Research</i> , 2021, 55, 165-175.	3.3	9
26	Electron transport chain dysfunction by H ₂ O ₂ is linked to increased reactive oxygen species production and iron mobilization by lipoperoxidation: studies using <i>Saccharomyces cerevisiae</i> mitochondria. <i>Journal of Bioenergetics and Biomembranes</i> , 2011, 43, 135-147.	2.3	8
27	Iba57p participates in maturation of a [2Fe-2S]-cluster Rieske protein and in formation of supercomplexes III/IV of <i>Saccharomyces cerevisiae</i> electron transport chain. <i>Mitochondrion</i> , 2019, 44, 75-84.	3.4	8
28	Diazoxide and Exercise Enhance Muscle Contraction during Obesity by Decreasing ROS Levels, Lipid Peroxidation, and Improving Glutathione Redox Status. <i>Antioxidants</i> , 2020, 9, 1232.	5.1	8
29	Nicorandil Affects Mitochondrial Respiratory Chain Function by Increasing Complex III Activity and ROS Production in Skeletal Muscle Mitochondria. <i>Journal of Membrane Biology</i> , 2020, 253, 309-318.	2.1	7
30	Antilipidemic and Hepatoprotective Effects of Ethanol Extract of <i>Justicia spicigera</i> in Streptozotocin Diabetic Rats. <i>Nutrients</i> , 2022, 14, 1946.	4.1	7
31	Effects of D-amino acids on lipoperoxidation in rat liver and kidney mitochondria. <i>Amino Acids</i> , 2007, 32, 31-37.	2.7	6
32	Aumento de la expresi3n de las mol3culas CD11c y CD103 en neutr3filos de sangre perif3rica tratados con una formulaci3n de ribosomas bacterianos y proteoglicanos de <i>Klebsiella pneumoniae</i> . <i>Archivos De Bronconeumologia</i> , 2012, 48, 316-319.	0.8	5
33	Functional characterization of brain mitochondrial nitric oxide synthase during hypertension and aging. <i>Amino Acids</i> , 2006, 30, 73-80.	2.7	4
34	Avocado Oil Prevents Kidney Injury and Normalizes Renal Vasodilation after Adrenergic Stimulation in Hypertensive Rats: Probable Role of Improvement in Mitochondrial Dysfunction and Oxidative Stress. <i>Life</i> , 2021, 11, 1122.	2.4	3
35	Antibodies to Extractable Nuclear Antigens Are Detectable in a Considerable Number of Sera That Test Negative for Antinuclear Antibodies. <i>Archives of Pathology and Laboratory Medicine</i> , 2022, 146, 143-144.	2.5	3
36	Electron transport chain in a thermotolerant yeast. <i>Journal of Bioenergetics and Biomembranes</i> , 2017, 49, 195-203.	2.3	2

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37	Data on the role of iba57p in free Fe2+ release and O2 ^{•-} generation in <i>Saccharomyces cerevisiae</i> . Data in Brief, 2018, 18, 198-202.	1.0	2
38	Avocado Oil and Diabetic Complications Related to Mitochondrial Dysfunction. , 2019, , 89-101.		2
39	Linolenic Acid Plus Ethanol Exacerbates Cell Death in <i>Saccharomyces cerevisiae</i> by Promoting Lipid Peroxidation, Cardiolipin Loss, and Necrosis. Life, 2022, 12, 1052.	2.4	2
40	Dietary Iron Restriction Improves Muscle Function, Dyslipidemia, and Decreased Muscle Oxidative Stress in Streptozotocin-Induced Diabetic Rats. Antioxidants, 2022, 11, 731.	5.1	1
41	Response to the Letter to the Editor “the bioenergetics of hepatic mitochondria isolated from avocado oil-treated rats”. Journal of Bioenergetics and Biomembranes, 2015, 47, 455-456.	2.3	0
42	Thiol Reduction and Cardiolipin Improve Complex I Activity and Free Radical Production in Liver Mitochondria of Streptozotocin-Induced Diabetic Rats. , 0, , .		0
43	Mitochondrial metabolism in diabetes. , 2021, , 179-192.		0
44	DIFFERENT SUSCEPTIBILITY OF MITOCHONDRIAL RESPIRATORY CHAIN FOR NITRIC OXIDE IN DIFFERENT ORGANS DURING HYPERTENSION. FASEB Journal, 2007, 21, A668.	0.5	0
45	ROLE OF LIPOPEROXIDATION ON OXIDATIVE DAMAGE TO MITOCHONDRIAL RESPIRATORY CHAIN. FASEB Journal, 2007, 21, A662.	0.5	0
46	Antioxidative effects of allopurinol and sodium ascorbate increase postfatigue tension in avian skeletal muscle (LB809). FASEB Journal, 2014, 28, LB809.	0.5	0
47	Effects of Avocado Oil on Kidney Mitochondrial Function and Proteinuria in Type II “Diabetic Rats. FASEB Journal, 2015, 29, LB89.	0.5	0