

Laura B Valdez

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

972
citations

361413

20
h-index

526287

27
g-index

32
all docs

32
docs citations

32
times ranked

1078
citing authors

#	ARTICLE	IF	CITATIONS
1	Oxygen dependence of mitochondrial nitric oxide synthase activity. <i>Biochemical and Biophysical Research Communications</i> , 2003, 305, 771-775.	2.1	86
2	Mitochondrial metabolic states regulate nitric oxide and hydrogen peroxide diffusion to the cytosol. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2006, 1757, 535-542.	1.0	84
3	Reactions of peroxynitrite in the mitochondrial matrix11Paper dedicated to the memory of Prof. Lars Ernster, convener of ICRO-UNESCO in a series of ICRO courses in Buenos Aires.. <i>Free Radical Biology and Medicine</i> , 2000, 29, 349-356.	2.9	80
4	Mitochondrial metabolic states and membrane potential modulate mtNOS activity. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2006, 1757, 166-172.	1.0	80
5	Endotoxemia impairs heart mitochondrial function by decreasing electron transfer, ATP synthesis and ATP content without affecting membrane potential. <i>Journal of Bioenergetics and Biomembranes</i> , 2012, 44, 243-252.	2.3	60
6	Heart mitochondrial nitric oxide synthase. Effects of hypoxia and aging. <i>Molecular Aspects of Medicine</i> , 2004, 25, 49-59.	6.4	54
7	Mitochondrial nitric oxide synthase, a voltage-dependent enzyme, is responsible for nitric oxide diffusion to cytosol. <i>Frontiers in Bioscience - Landmark</i> , 2007, 12, 1210.	3.0	49
8	Heart mitochondrial nitric oxide synthase is upregulated in male rats exposed to high altitude (4,340 Tj ETQq0 0 0 rgBT /Overlock 10 Tf	3.2	45
9	Kidney Mitochondrial Nitric Oxide Synthase. <i>Antioxidants and Redox Signaling</i> , 2003, 5, 265-271.	5.4	40
10	Nitric oxide interacts with mitochondrial complex III producing antimycin-like effects. <i>Free Radical Biology and Medicine</i> , 2015, 89, 602-613.	2.9	39
11	Free radical chemistry in biological systems. <i>Biological Research</i> , 2000, 33, 65-70.	3.4	36
12	Effect of sustained hypobaric hypoxia during maturation and aging on rat myocardium. II. mtNOS activity. <i>Journal of Applied Physiology</i> , 2005, 98, 2370-2375.	2.5	34
13	Functional Activity of Mitochondrial Nitric Oxide Synthase. <i>Methods in Enzymology</i> , 2005, 396, 444-455.	1.0	33
14	Complex I syndrome in myocardial stunning and the effect of adenosine. <i>Free Radical Biology and Medicine</i> , 2011, 51, 1203-1212.	2.9	30
15	Nitric Oxide and Superoxide Radical Production by Human Mononuclear Leukocytes. <i>Antioxidants and Redox Signaling</i> , 2001, 3, 505-513.	5.4	29
16	Mitochondrial nitric oxide metabolism during rat heart adaptation to high altitude: effect of sildenafil, <sc>l</sc>-NAME, and <sc>l</sc>-arginine treatments. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2009, 296, H1741-H1747.	3.2	27
17	Polyphenols and Red Wine as Antioxidants against Peroxynitrite and other Oxidants. <i>Biological Research</i> , 2004, 37, 279-86.	3.4	26
18	Hydrogen peroxide, nitric oxide and ATP are molecules involved in cardiac mitochondrial biogenesis in Diabetes. <i>Free Radical Biology and Medicine</i> , 2017, 112, 267-276.	2.9	23

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19	Diabetes impairs heart mitochondrial function without changes in resting cardiac performance. <i>International Journal of Biochemistry and Cell Biology</i> , 2016, 81, 335-345.	2.8	21
20	Complex I syndrome in striatum and frontal cortex in a rat model of Parkinson disease. <i>Free Radical Biology and Medicine</i> , 2019, 135, 274-282.	2.9	21
21	Mitochondrial nitric oxide production supported by reverse electron transfer. <i>Archives of Biochemistry and Biophysics</i> , 2016, 607, 8-19.	3.0	20
22	Thioredoxin-1 Attenuates Ventricular and Mitochondrial Postischemic Dysfunction in the Stunned Myocardium of Transgenic Mice. <i>Antioxidants and Redox Signaling</i> , 2016, 25, 78-88.	5.4	14
23	Polyphenols in Red Wines Prevent NADH Oxidation Induced by Peroxynitrite. <i>Annals of the New York Academy of Sciences</i> , 2002, 957, 274-278.	3.8	10
24	(+)-Catechin inhibits heart mitochondrial complex I and nitric oxide synthase: functional consequences on membrane potential and hydrogen peroxide production. <i>Food and Function</i> , 2019, 10, 2528-2537.	4.6	9
25	Heart Mitochondrial Nitric Oxide Synthase. <i>Vitamins and Hormones</i> , 2014, 96, 29-58.	1.7	7
26	Mitochondrial peroxynitrite generation is mainly driven by superoxide steady-state concentration rather than by nitric oxide steady-state concentration. <i>International Journal of Molecular Biology Open Access</i> , 2018, 3, .	0.2	7
27	Temporal evolution of cardiac mitochondrial dysfunction in a type 1 diabetes model. Mitochondrial complex I impairment, and H ₂ O ₂ and NO productions as early subcellular events. <i>Free Radical Biology and Medicine</i> , 2021, 162, 129-140.	2.9	5
28	Mitochondrial Complex I Inactivation After Ischemia-Reperfusion in the Stunned Heart. , 2016, , 245-257.		3
29	Biochemistry and Physiology of Heart Mitochondrial Nitric Oxide Synthase. , 2016, , 37-48.		0
30	Complejo I, H ₂ O ₂ y NO mitocondriales como seÑ±ales prodr³micas de la disfunci³n cardÃaca en diabetes tipo 1. , 2021, 89, 92-97.		0