Laura B Valdez

List of Publications by Year
in descending order

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	Temporal evolution of cardiac mitochondrial dysfunction in a type 1 diabetes model. Mitochondrial complex I impairment, and H2O2 and NO productions as early subcellular events. Free Radical Biology and Medicine, 2021, 162, 129-140.	2.9	5
2	Complejo I, H2 O2 y NO mitocondriales como seÃ±ales prodrÃ³micas de la disfunciÃ³n cardÃaca en diabetes tipo 1. , 2021, 89, 92-97.		0
3	(+)-Catechin inhibits heart mitochondrial complex I and nitric oxide synthase: functional consequences on membrane potential and hydrogen peroxide production. Food and Function, 2019, 10, 2528-2537.	4.6	9
4	Complex I syndrome in striatum and frontal cortex in a rat model of Parkinson disease. Free Radical Biology and Medicine, 2019, 135, 274-282.	2.9	21
5	Mitochondrial peroxynitrite generation is mainly driven by superoxide steady-state concentration rather than by nitric oxide steady-state concentration. International Journal of Molecular Biology Open Access, 2018, 3, .	0.2	7
6	Hydrogen peroxide, nitric oxide and ATP are molecules involved in cardiac mitochondrial biogenesis in Diabetes. Free Radical Biology and Medicine, 2017, 112, 267-276.	2.9	23
7	Thioredoxin-1 Attenuates Ventricular and Mitochondrial Postischemic Dysfunction in the Stunned Myocardium of Transgenic Mice. Antioxidants and Redox Signaling, 2016, 25, 78-88.	5.4	14
8	Diabetes impairs heart mitochondrial function without changes in resting cardiac performance. International Journal of Biochemistry and Cell Biology, 2016, 81, 335-345.	2.8	21
9	Mitochondrial nitric oxide production supported by reverse electron transfer. Archives of Biochemistry and Biophysics, 2016, 607, 8-19.	3.0	20
10	Mitochondrial Complex I Inactivation After Ischemia-Reperfusion in the Stunned Heart. , 2016, , 245-257.		3
11	Biochemistry and Physiology of Heart Mitochondrial Nitric Oxide Synthase. , 2016, , 37-48.		0
12	Nitric oxide interacts with mitochondrial complex III producing antimycin-like effects. Free Radical Biology and Medicine, 2015, 89, 602-613.	2.9	39
13	Heart Mitochondrial Nitric Oxide Synthase. Vitamins and Hormones, 2014, 96, 29-58.	1.7	7
14	Endotoxemia impairs heart mitochondrial function by decreasing electron transfer, ATP synthesis and ATP content without affecting membrane potential. Journal of Bioenergetics and Biomembranes, 2012, 44, 243-252.	2.3	60
15	Complex I syndrome in myocardial stunning and the effect of adenosine. Free Radical Biology and Medicine, 2011, 51, 1203-1212.	2.9	30
16	Mitochondrial nitric oxide metabolism during rat heart adaptation to high altitude: effect of sildenafil,<scp>l</scp>-NAME, and<scp>l</scp>-arginine treatments. American Journal of Physiology - Heart and Circulatory Physiology, 2009, 296, H1741-H1747.	3.2	27
17	Mitochondrial nitric oxide synthase, a voltage-dependent enzyme, is responsible for nitric oxide diffusion to cytosol. Frontiers in Bioscience - Landmark, 2007, 12, 1210.	3.0	49
18	Mitochondrial metabolic states regulate nitric oxide and hydrogen peroxide diffusion to the cytosol. Biochimica Et Biophysica Acta - Bioenergetics, 2006, 1757, 535-542.	1.0	84

#	Article	IF	Citations
19	Mitochondrial metabolic states and membrane potential modulate mtNOS activity. Biochimica Et Biophysica Acta - Bioenergetics, 2006, 1757, 166-172.	1.0	80
20	Effect of sustained hypobaric hypoxia during maturation and aging on rat myocardium. II. mtNOS activity. Journal of Applied Physiology, 2005, 98, 2370-2375.	2.5	34
21	Heart mitochondrial nitric oxide synthase is upregulated in male rats exposed to high altitude (4,340) Tj ETQq1 1 0.784314 rgBT /Ove	3.2	45
22	Functional Activity of Mitochondrial Nitric Oxide Synthase. Methods in Enzymology, 2005, 396, 444-455.	1.0	33
23	Polyphenols and Red Wine as Antioxidants against Peroxynitrite and other Oxidants. Biological Research, 2004, 37, 279-86.	3.4	26
24	Heart mitochondrial nitric oxide synthase. Effects of hypoxia and aging. Molecular Aspects of Medicine, 2004, 25, 49-59.	6.4	54
25	Oxygen dependence of mitochondrial nitric oxide synthase activity. Biochemical and Biophysical Research Communications, 2003, 305, 771-775.	2.1	86
26	Kidney Mitochondrial Nitric Oxide Synthase. Antioxidants and Redox Signaling, 2003, 5, 265-271.	5.4	40
27	Polyphenols in Red Wines Prevent NADH Oxidation Induced by Peroxynitrite. Annals of the New York Academy of Sciences, 2002, 957, 274-278.	3.8	10
28	Nitric Oxide and Superoxide Radical Production by Human Mononuclear Leukocytes. Antioxidants and Redox Signaling, 2001, 3, 505-513.	5.4	29
29	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.. Free Radical Biology and Medicine, 2000, 29, 349-356.	2.9	80
30	Free radical chemistry in biological systems. Biological Research, 2000, 33, 65-70.	3.4	36