Cecilia Zazueta

List of Publications by Year
in descending order

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110 papers	3,592 citations	147566 31 h-index	161609 54 g-index
111 all docs	111 docs citations	111 times ranked	5396 citing authors

#	Article	IF	Citations
1	Genetic Variations on Redox Control in Cardiometabolic Diseases: The Role of Nrf2. Antioxidants, 2022, 11, 507.	2.2	9
2	New insights of KrÃ¼ppel-like transcription factors in adipogenesis and the role of their regulatory neighbors. Life Sciences, 2021, 265, 118763.	2.0	18
3	Implications of Oxidative and Nitrosative Post-Translational Modifications in Therapeutic Strategies against Reperfusion Damage. Antioxidants, 2021, 10, 749.	2.2	10
4	Unilateral Ureteral Obstruction for 28 Days in Rats Is Not Associated with Changes in Cardiac Function or Alterations in Mitochondrial Function. Biology, 2021, 10, 671.	1.3	5
5	Mitochondrial Quality Control in Cardiac-Conditioning Strategies against Ischemia-Reperfusion Injury. Life, 2021, 11, 1123.	1.1	17
6	Alteration of mitochondrial supercomplexes assembly in metabolic diseases. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2020, 1866, 165935.	1.8	9
7	S-Allylcysteine Protects Against Excitotoxic Damage in Rat Cortical Slices Via Reduction of Oxidative Damage, Activation of Nrf2/ARE Binding, and BDNF Preservation. Neurotoxicity Research, 2020, 38, 929-940.	1.3	9
8	ER membranes associated with mitochondria: Possible therapeutic targets in heart-associated diseases. Pharmacological Research, 2020, 156, 104758.	3.1	43
9	Mitochondrial dysfunction in metabolic and cardiovascular diseases associated with cardiolipin remodeling. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2020, 1866, 165744.	1.8	20
10	Altered proximal tubule fatty acid utilization, mitophagy, fission and supercomplexes arrangement in experimental Fanconi syndrome are ameliorated by sulforaphane-induced mitochondrial biogenesis. Free Radical Biology and Medicine, 2020, 153, 54-70.	1.3	16
11	Sulforaphane protects from myocardial ischemia-reperfusion damage through the balanced activation of Nrf2/AhR. Free Radical Biology and Medicine, 2019, 143, 331-340.	1.3	43
12	Allopurinol Prevents the Lipogenic Response Induced by an Acute Oral Fructose Challenge in Short-Term Fructose Fed Rats. Biomolecules, 2019, 9, 601.	1.8	13
13	Redox signaling in ischemic postconditioning protection involves PKCÎµ and Erk1/2 pathways and converges indirectly in Nrf2 activation. Cellular Signalling, 2019, 64, 109417.	1.7	9
14	The relevance of the supramolecular arrangements of the respiratory chain complexes in human diseases and aging. Mitochondrion, 2019, 47, 266-272.	1.6	15
15	Cardioprotective effects of Prolame and SNAP are related with nitric oxide production and with diminution of caspases and calpain-1 activities in reperfused rat hearts. PeerJ, 2019, 7, e7348.	0.9	5
16	Cytidineâ€5'â€Diphosphocholine Protects the Liver From Ischemia/Reperfusion Injury Preserving Mitochondrial Function and Reducing Oxidative Stress. Liver Transplantation, 2018, 24, 1070-1083.	1.3	27
17	Cardioprotective strategies preserve the stability of respiratory chain supercomplexes and reduce oxidative stress in reperfused ischemic hearts. Free Radical Biology and Medicine, 2018, 129, 407-417.	1.3	12
18	Leptin Modifies the Rat Heart Performance Associated with Mitochondrial Dysfunction Independently of Its Prohypertrophic Effects. International Journal of Endocrinology, 2018, 2018, 1-10.	0.6	5

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19	Nrf2: Molecular and epigenetic regulation during aging. Ageing Research Reviews, 2018, 47, 31-40.	5.0	127
20	Cardioprotective kinase signaling to subsarcolemmal and interfibrillar mitochondria is mediated by caveolar structures. Basic Research in Cardiology, 2017, 112, 15.	2.5	44
21	Tert-buthylhydroquinone pre-conditioning exerts dual effects in old female rats exposed to 3-nitropropionic acid. Redox Biology, 2017, 12, 610-624.	3.9	23
22	3-NP-induced Huntington's-like disease impairs Nrf2 activation without loss of cardiac function in aged rats. Experimental Gerontology, 2017, 96, 89-98.	1.2	23
23	(â˜')â€Epicatechin induces physiological cardiac growth by activation of the PI3K/Akt pathway in mice. Molecular Nutrition and Food Research, 2017, 61, 1600343.	1.5	16
24	Oxidative Stress and Inflammation in Cardiovascular Disease. Oxidative Medicine and Cellular Longevity, 2017, 2017, 1-2.	1.9	95
25	Role of sphingomyelinase in mitochondrial ceramide accumulation during reperfusion. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2016, 1862, 1955-1963.	1.8	15
26	Nrf2 signaling and redox homeostasis in the aging heart: A potential target to prevent cardiovascular diseases?. Ageing Research Reviews, 2016, 26, 81-95.	5.0	69
27	Renal Oxidative Stress Induced by Long-Term Hyperuricemia Alters Mitochondrial Function and Maintains Systemic Hypertension. Oxidative Medicine and Cellular Longevity, 2015, 2015, 1-8.	1.9	80
28	Curcumin Attenuates Gentamicin-Induced Kidney Mitochondrial Alterations: Possible Role of a Mitochondrial Biogenesis Mechanism. Evidence-based Complementary and Alternative Medicine, 2015, 2015, 1-16.	0.5	34
29	Reduction of no-reflow and reperfusion injury with the synthetic 17Î²-aminoestrogen compound Prolame is associated with PI3K/Akt/eNOS signaling cascade. Basic Research in Cardiology, 2015, 110, 1.	2.5	33
30	Ellagic acid: Pharmacological activities and molecular mechanisms involved in liver protection. Pharmacological Research, 2015, 97, 84-103.	3.1	198
31	C-phycocyanin prevents cisplatin-induced mitochondrial dysfunction and oxidative stress. Molecular and Cellular Biochemistry, 2015, 406, 183-197.	1.4	31
32	Cardioprotection by Curcumin Post-Treatment in Rats with Established Chronic Kidney Disease. Cardiovascular Drugs and Therapy, 2015, 29, 111-120.	1.3	32
33	Inhibition of the nitric oxide/cyclic guanosine monophosphate pathway limited the cardioprotective effect of post-conditioning in hearts with apical myocardial infarction. European Journal of Pharmacology, 2015, 765, 472-481.	1.7	17
34	Cardiac responses to <scp>Î²</scp>â€adrenoceptor stimulation is partly dependent on mitochondrial calcium uniporter activity. British Journal of Pharmacology, 2014, 171, 4207-4221.	2.7	25
35	Curcumin Attenuates Cr(VI)â€Induced Ascites and Changes in the Activity of Aconitase and F₁F₀ ATPase and the ATP Content in Rat Liver Mitochondria. Journal of Biochemical and Molecular Toxicology, 2014, 28, 522-527.	1.4	14
36	Curcumin prevents maleate-induced nephrotoxicity: Relation to hemodynamic alterations, oxidative stress, mitochondrial oxygen consumption and activity of respiratory complex I. Free Radical Research, 2014, 48, 1342-1354.	1.5	47

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37	Mitochondria as a Target in the Therapeutic Properties of Curcumin. Archiv Der Pharmazie, 2014, 347, 873-884.	2.1	99
38	Nrf2-regulated antioxidant response is activated by protein kinase C in postconditioned rat hearts. Free Radical Biology and Medicine, 2014, 74, 145-156.	1.3	34
39	PHO-ERK1/2 interaction with mitochondria regulates the permeability transition pore in cardioprotective signaling. Life Sciences, 2014, 108, 13-21.	2.0	23
40	Bax induces cytochrome c release by multiple mechanisms in mitochondria from MCF7 cells. Journal of Bioenergetics and Biomembranes, 2013, 45, 441-448.	1.0	42
41	Redox activation of Nrf2 & NF-Î²B: A double end sword?. Cellular Signalling, 2013, 25, 2548-2557.	1.7	209
42	Postconditioning Protects Against Reperfusion Injury in Hypertensive Dilated Cardiomyopathy by Activating MEK/ERK1/2 Signaling. Journal of Cardiac Failure, 2013, 19, 135-146.	0.7	26
43	Curcumin maintains cardiac and mitochondrial function in chronic kidney disease. Free Radical Biology and Medicine, 2013, 61, 119-129.	1.3	80
44	Curcumin Pretreatment Prevents Potassium Dichromate-Induced Hepatotoxicity, Oxidative Stress, Decreased Respiratory Complex I Activity, and Membrane Permeability Transition Pore Opening. Evidence-based Complementary and Alternative Medicine, 2013, 2013, 1-19.	0.5	60
45	Targeting Mitochondria for Cardiac Protection. Current Drug Targets, 2013, 14, 586-600.	1.0	19
46	Curcumin Induces Nrf2 Nuclear Translocation and Prevents Glomerular Hypertension, Hyperfiltration, Oxidant Stress, and the Decrease in Antioxidant Enzymes in 5/6 Nephrectomized Rats. Oxidative Medicine and Cellular Longevity, 2012, 2012, 1-14.	1.9	120
47	Attenuation of oxidant damage in the postconditioned heart involves nonâ€enzymatic response and partial catalytic protection. Experimental Physiology, 2012, 97, 1119-1130.	0.9	10
48	Protective Effect of Î±-Mangostin on Cardiac Reperfusion Damage by Attenuation of Oxidative Stress. Journal of Medicinal Food, 2011, 14, 1370-1374.	0.8	38
49	A CRAC-like motif in BAX sequence: Relationship with protein insertion and pore activity in liposomes. Biochimica Et Biophysica Acta - Biomembranes, 2011, 1808, 1888-1895.	1.4	10
50	Protective action of tamoxifen on carboxyatractyloside-induced mitochondrial permeability transition. Life Sciences, 2011, 88, 681-687.	2.0	12
51	Protective behavior of tamoxifen against Hg2+-induced toxicity on kidney mitochondria: In vitro and in vivo experiments. Journal of Steroid Biochemistry and Molecular Biology, 2011, 127, 345-350.	1.2	14
52	Titanium dioxide nanoparticles impair lung mitochondrial function. Toxicology Letters, 2011, 202, 111-119.	0.4	106
53	Curcumin prevents Cr(VI)-induced renal oxidant damage by a mitochondrial pathway. Free Radical Biology and Medicine, 2011, 51, 1543-1557.	1.3	142
54	On the properties of calcium-induced permeability transition in neonatal heart mitochondria. Journal of Bioenergetics and Biomembranes, 2011, 43, 757-764.	1.0	6

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55	Curcumin Protects from Cardiac Reperfusion Damage by Attenuation of Oxidant Stress and Mitochondrial Dysfunction. Cardiovascular Toxicology, 2011, 11, 357-364.	1.1	78
56	Protective effect of sulforaphane pretreatment against cisplatin-induced liver and mitochondrial oxidant damage in rats. Toxicology, 2011, 286, 20-27.	2.0	104
57	Octylguanidine ameliorates the damaging effect of mercury on renal functions. Journal of Biochemistry, 2011, 149, 211-217.	0.9	1
58	Reduced capacity of Ca2+ retention in liver as compared to kidney mitochondria. ADP requirement. Journal of Bioenergetics and Biomembranes, 2010, 42, 381-386.	1.0	5
59	Pharmacological Strategies to Contend Against Myocardial Reperfusion Damage: Diverse Chemicals for Multiple Targets. Current Medicinal Chemistry, 2010, 17, 2261-2273.	1.2	7
60	Effects of Î±-mangostin on mitochondrial energetic metabolism. Mitochondrion, 2010, 10, 151-157.	1.6	30
61	Protective effect of sulforaphane against cisplatin-induced mitochondrial alterations and impairment in the activity of NAD(P)H: Quinone oxidoreductase 1 and Î³ glutamyl cysteine ligase: Studies in mitochondria isolated from rat kidney and in LLC-PK1 cells. Toxicology Letters, 2010, 199, 80-92.	0.4	52
62	Induction of Mitochondrial Permeability Transition by the DNA-intercalating Cationic Dye Ethidium Bromide. Journal of Biochemistry, 2009, 146, 887-894.	0.9	8
63	Bax distribution into mitochondrial detergentâ€resistant microdomains is related to ceramide and cholesterol content in postischemic hearts. FEBS Journal, 2009, 276, 5579-5588.	2.2	46
64	Cyclosporin a is unable to inhibit carboxyatractyloside-induced permeability transition in aged mitochondria. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2009, 149, 374-381.	1.3	13
65	Cyclosporin A Inhibits UV-Radiation-Induced Membrane Damage but is Unable to Inhibit Carboxyatractyloside-Induced Permeability Transition. Radiation Research, 2009, 172, 575-583.	0.7	3
66	Titration of cardiolipin by either 10-N-nonyl acridine orange or acridine orange sensitizes the adenine nucleotide carrier to permeability transition. Journal of Bioenergetics and Biomembranes, 2008, 40, 77-84.	1.0	13
67	Relationship between oxidative stress and mitochondrial function in the post-conditioned heart. Journal of Bioenergetics and Biomembranes, 2008, 40, 599-606.	1.0	28
68	Post-conditioning Preserves Glycolytic ATP During Early Reperfusion: A survival Mechanism for the Reperfused Heart. Cellular Physiology and Biochemistry, 2008, 22, 635-644.	1.1	22
69	Mitochondrial permeability transition relevance for apoptotic triggering in the post-ischemic heart. International Journal of Biochemistry and Cell Biology, 2007, 39, 787-798.	1.2	66
70	Hypothyroidism provides resistance to kidney mitochondria against the injury induced by renal ischemia-reperfusion. Life Sciences, 2007, 80, 1252-1258.	2.0	16
71	Changes in specific lipids regulate BAXâ€induced mitochondrial permeability transition. FEBS Journal, 2007, 274, 6500-6510.	2.2	24
72	Is digitalis compound-induced cardiotoxicity, mediated through guinea-pig cardiomyocytes apoptosis?. European Journal of Pharmacology, 2007, 566, 34-42.	1.7	20

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73	Ru360 , a specific mitochondrial calcium uptake inhibitor, improves cardiac post-ischaemic functional recovery in rats in vivo. British Journal of Pharmacology, 2006, 149, 829-837.	2.7	157
74	Molecular Template for a Voltage Sensor in a Novel K+ Channel. II. Conservation of a Eukaryotic Sensor Fold in a Prokaryotic K+ Channel. Journal of General Physiology, 2006, 128, 293-300.	0.9	8
75	Molecular Template for a Voltage Sensor in a Novel K+ Channel. I. Identification and Functional Characterization of KvLm, a Voltage-gated K+ Channel from Listeria monocytogenes. Journal of General Physiology, 2006, 128, 283-292.	0.9	24
76	Inhibition of the mitochondrial calcium uniporter by the oxo-bridged dinuclear ruthenium amine complex (Ru360) prevents from irreversible injury in postischemic rat heart. FEBS Journal, 2005, 272, 3477-3488.	2.2	82
77	Myocardial protective effect of octylguanidine against the damage induced by ischemia reperfusion in rat heart. Molecular and Cellular Biochemistry, 2005, 269, 19-26.	1.4	18
78	Mitochondrial glycosidic residues contribute to the interaction between ruthenium amine complexes and the calcium uniporter. Molecular and Cellular Biochemistry, 2005, 272, 55-62.	1.4	4
79	Agaric acid induces mitochondrial permeability transition through its interaction with the adenine nucleotide translocase. Its dependence on membrane fluidity. Mitochondrion, 2005, 5, 272-281.	1.6	19
80	Different Subunit Location of the Inhibition and Transport Sites in the Mitochondrial Calcium Uniporter. Journal of Bioenergetics and Biomembranes, 2004, 36, 439-445.	1.0	3
81	The composition of the incubation medium influences the sensitivity of mitochondrial permeability transition to cyclosporin A. Journal of Bioenergetics and Biomembranes, 2003, 35, 149-156.	1.0	6
82	Cardiolipin Regulates the Activity of the Reconstituted Mitochondrial Calcium Uniporter by Modifying the Structure of the Liposome Bilayer. Journal of Membrane Biology, 2003, 191, 113-122.	1.0	12
83	Thyroid hormone may induce changes in the concentration of the mitochondrial calcium uniporter. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2003, 135, 177-182.	0.7	7
84	Modulation by substrates of the protective effect of cyclosporin A on mitochondrial damage. Life Sciences, 2002, 70, 2413-2420.	2.0	9
85	Inactivation of mitochondrial permeability transition pore by octylguanidine and octylamine. Journal of Bioenergetics and Biomembranes, 2000, 32, 193-198.	1.0	20
86	Copper sensitizes the mitochondrial permeability transition to carboxytractyloside and oleate. Molecular and Cellular Biochemistry, 2000, 209, 119-123.	1.4	14
87	Possible involvement of the adenine nucleotide translocase in the activation of the permeability transition pore induced by cadmium. International Journal of Biochemistry and Cell Biology, 2000, 32, 1093-1101.	1.2	31
88	Inhibitory properties of ruthenium amine complexes on mitochondrial calcium uptake. Journal of Bioenergetics and Biomembranes, 1999, 31, 551-557.	1.0	59
89	Carboxyatractyloside increases the effect of oleate on mitochondrial permeability transition. FEBS Letters, 1999, 445, 189-191.	1.3	17
90	Advances in the purification of the mitochondrial Ca2+ uniporter using the labeled inhibitor 103Ru360. Journal of Bioenergetics and Biomembranes, 1998, 30, 489-498.	1.0	28

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91	Mitochondrial permeability transition as induced by cross-linking of the adenine nucleotide translocase. International Journal of Biochemistry and Cell Biology, 1998, 30, 517-527.	1.2	24
92	Hypothyroidism renders liver mitochondria resistant to the opening of membrane permeability transition pore. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 1998, 1407, 243-248.	1.8	31
93	On the protection by inorganic phosphate of calcium-induced membrane permeability transition. Journal of Bioenergetics and Biomembranes, 1997, 29, 571-577.	1.0	15
94	On the mechanism by which 6-ketocholestanol protects mitochondria against uncoupling-induced Ca2+efflux. FEBS Letters, 1996, 379, 305-308.	1.3	16
95	Modulation of matrix Ca2+ content by the ADP/ATP carrier in brown adipose tissue mitochondria. Influence of membrane lipid composition. Journal of Bioenergetics and Biomembranes, 1996, 28, 69-76.	1.0	14
96	Modulation of matrix Ca2+ content by the ADP/ATP carrier in brown adipose tissue mitochondria. Influence of membrane lipid composition. Journal of Bioenergetics and Biomembranes, 1996, 28, 69-76.	1.0	5
97	Identification of a 20-kDa protein with calcium uptake transport activity. Reconstitution in a membrane model. Journal of Bioenergetics and Biomembranes, 1994, 26, 555-562.	1.0	9
98	Triphenyltin as inductor of mitochondrial membrane permeability transition. Journal of Bioenergetics and Biomembranes, 1994, 26, 457-462.	1.0	20
99	Characterization of Ca2+ transport in Euglena gracilis mitochondria. Biochimica Et Biophysica Acta - Bioenergetics, 1994, 1186, 107-116.	0.5	10
100	On the role of ADP to increase the inhibitory effect of cyclosporin on mitochondrial membrane permeability transition. IUBMB Life, 1994, 33, 385-92.	0.1	5
101	Ionophoretic-like properties of ketorolac for calcium. Journal of Pharmacology and Experimental Therapeutics, 1993, 267, 1134-9.	1.3	6
102	Fluorescamine-induced membrane permeability in mitochondria. International Journal of Biochemistry & Cell Biology, 1992, 24, 1779-1784.	0.8	2
103	Intramitochondrial K+ as activator of carâ˜yatractyloside-induced Ca2+ release. Biochimica Et Biophysica Acta - Biomembranes, 1991, 1070, 461-466.	1.4	29
104	Protective role of chlorpromazine on lead-induced damage to heart mitochondria. Comparative Biochemistry and Physiology Part C: Comparative Pharmacology, 1991, 99, 379-381.	0.2	2
105	Calcium transport sensitive to ruthenium red in cytochrome oxidase vesicles reconstituted with mitochondrial proteins. Journal of Bioenergetics and Biomembranes, 1991, 23, 889-902.	1.0	11
106	Protective behavior of captopril on Hg(++)-induced toxicity on kidney mitochondria. In vivo and in vitro experiments. Journal of Pharmacology and Experimental Therapeutics, 1991, 256, 385-90.	1.3	27
107	Dicyclohexylcarbodiimide as inducer of mitochondrial Ca2+ release. Journal of Bioenergetics and Biomembranes, 1990, 22, 679-689.	1.0	5
108	Induction of mitochondrial Ca2+ uptake by mersalyl. International Journal of Biochemistry & Cell Biology, 1989, 21, 1241-1244.	0.8	6

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109	Extensive Ca2+ release from energized mitochondria induced by disulfiram. Journal of Bioenergetics and Biomembranes, 1989, 21, 335-345.	1.0	18
110	Characterization by Hg2+ of two different pathways for mitochondrial Ca2+ release. Biochimica Et Biophysica Acta - Biomembranes, 1989, 986, 27-32.	1.4	24