Silvia M Cadena

List of Publications by Citations

62 papers	841 citations	17 h-index	25 g-index
62 ext. papers	942 ext. citations	4.8 avg, IF	3.52 L-index

#	Paper	IF	Citations
62	Effect of triclosan (TRN) on energy-linked functions of rat liver mitochondria. *Toxicology Letters*, **2005**, 160, 49-59	4.4	63
61	Involvement of catalase in the apoptotic mechanism induced by apigenin in HepG2 human hepatoma cells. *Chemico-Biological Interactions*, **2011**, 193, 180-9	5	48
60	Effect of temperature acclimation on the liver antioxidant defence system of the Antarctic nototheniids Notothenia coriiceps and Notothenia rossii. *Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology*, **2014**, 172-173, 21-8	2.3	44
59	Converting potent indeno[1,2-b]indole inhibitors of protein kinase CK2 into selective inhibitors of the breast cancer resistance protein ABCG2. *Journal of Medicinal Chemistry*, **2015**, 58, 265-77	8.3	43
58	Melanogenesis stimulation in B16-F10 melanoma cells induces cell cycle alterations, increased ROS levels and a differential expression of proteins as revealed by proteomic analysis. *Experimental Cell Research*, **2012**, 318, 1913-25	4.2	35
57	Effects of deltamethrin on functions of rat liver mitochondria and on native and synthetic model membranes. *Toxicology Letters*, **2004**, 152, 191-202	4.4	31
56	Metabolic switches during the first steps of adipogenic stem cells differentiation. *Stem Cell Research*, **2016**, 17, 413-421	1.6	30
55	Hispidulin: antioxidant properties and effect on mitochondrial energy metabolism. *Free Radical Research*, **2005**, 39, 1305-15	4	28
54	Effect of MI-D, a new mesoionic compound, on energy-linked functions of rat liver mitochondria. *FEBS Letters*, **1998**, 440, 46-50	3.8	26
53	Cytotoxic effect of Agaricus bisporus and Lactarius rufus D-glucans on HepG2 cells. *International Journal of Biological Macromolecules*, **2013**, 58, 95-103	7.9	25
52	Celecoxib prevents tumor growth in an animal model by a COX-2 independent mechanism. *Cancer Chemotherapy and Pharmacology*, **2010**, 65, 267-76	3.5	23
51	Interference of MI-D, a new mesoionic compound, on artificial and native membranes. *Cell Biochemistry and Function*, **2002**, 20, 31-7	4.2	21
50	Leishmanicidal activity of polysaccharides and their oxovanadium(IV/V) complexes. *European Journal of Medicinal Chemistry*, **2015**, 90, 732-41	6.8	20
49	Anti-fatigue activity of an arabinan-rich pectin from acerola (Malpighia emarginata). *International Journal of Biological Macromolecules*, **2018**, 109, 1147-1153	7.9	19
48	Production of cachexia mediators by Walker 256 cells from ascitic tumors. *Cell Biochemistry and Function*, **2008**, 26, 731-8	4.2	18
47	Phenolic indeno[1,2-b]indoles as ABCG2-selective potent and non-toxic inhibitors stimulating basal ATPase activity. *Drug Design, Development and Therapy*, **2015**, 9, 3481-95	4.4	17
46	New data on biological effects of chlorhexidine: Fe2+ induced lipid peroxidation and mitochondrial permeability transition. *Toxicology Letters*, **2004**, 151, 407-16	4.4	17

45	Cytotoxic effect of a mannogalactoglucan extracted from Agaricus bisporus on HepG2 cells. *Carbohydrate Polymers*, **2017**, 170, 33-42	10.3	16
44	The lectin BJcuL induces apoptosis through TRAIL expression, caspase cascade activation and mitochondrial membrane permeability in a human colon adenocarcinoma cell line. *Toxicon*, **2014**, 90, 299-307	2.8	16
43	Effects of a new 1,3,4-thiadiazolium mesoionic compound, MI-D, on the acute inflammatory response. *Drug Development Research*, **2004**, 61, 207-217	5.1	16
42	Quinoxaline-substituted chalcones as new inhibitors of breast cancer resistance protein ABCG2: polyspecificity at B-ring position. *Drug Design, Development and Therapy*, **2014**, 8, 609-19	4.4	15
41	Ruthenium complex exerts antineoplastic effects that are mediated by oxidative stress without inducing toxicity in Walker-256 tumor-bearing rats. *Free Radical Biology and Medicine*, **2017**, 110, 228-239	7.8	13
40	Effects of the Crotalus durissus terrificus snake venom on hepatic metabolism and oxidative stress. *Journal of Biochemical and Molecular Toxicology*, **2011**, 25, 195-203	3.4	13
39	Melanogenesis inhibits respiration in B16-F10 melanoma cells whereas enhances mitochondrial cell content. *Experimental Cell Research*, **2017**, 350, 62-72	4.2	12
38	Selective Cytotoxicity of 1,3,4-Thiadiazolium Mesoionic Derivatives on Hepatocarcinoma Cells (HepG2). *PLoS ONE*, **2015**, 10, e0130046	3.7	12
37	Effect of sydnone SYD-1, a mesoionic compound, on energy-linked functions of rat liver mitochondria. *Chemico-Biological Interactions*, **2007**, 169, 160-70	5	12
36	Eupafolin: Effect on mitochondrial energetic metabolism. *Bioorganic and Medicinal Chemistry*, **2008**, 16, 854-61	3.4	12
35	Toxicity of native and oxovanadium (IV/V) galactomannan complexes on HepG2 cells is related to impairment of mitochondrial functions. *Carbohydrate Polymers*, **2017**, 173, 665-675	10.3	11
34	Effect of flavonoids on 2Sdeoxyguanosine and DNA oxidation caused by singlet molecular oxygen. *Food and Chemical Toxicology*, **2010**, 48, 2380-7	4.7	11
33	Effects of silymarin on angiogenesis and oxidative stress in streptozotocin-induced diabetes in mice. *Biomedicine and Pharmacotherapy*, **2018**, 108, 232-243	7.5	11
32	The antioxidant effect of the mesoionic compound SYD-1 in mitochondria. *Chemico-Biological Interactions*, **2013**, 205, 181-7	5	10
31	Effects of natural flavones on membrane properties and citotoxicity of HeLa cells. *Revista Brasileira De Farmacognosia*, **2010**, 20, 403-408	2	10
30	Functional characterization of mitochondria isolated from the ancient gymnosperm Araucaria angustifolia. *Plant Science*, **2008**, 175, 701-705	5.3	10
29	The involvement of PUMP from mitochondria of Araucaria angustifolia embryogenic cells in response to cold stress. *Plant Science*, **2012**, 197, 84-91	5.3	9
28	Interaction of 1,3,4-thiadiazolium mesoionic derivatives with mitochondrial membrane and scavenging activity: Involvement of their effects on mitochondrial energy-linked functions. *Chemico-Biological Interactions*, **2011**, 189, 17-25	5	9

27	Sydnone SYD-1 affects the metabolic functions of isolated rat hepatocytes. *Chemico-Biological Interactions*, **2014**, 218, 107-14	5	8
26	Effects of statins on liver cell function and inflammation in septic rats. *Journal of Surgical Research*, **2012**, 178, 888-97	2.5	8
25	The inhibition of lipoperoxidation by mesoionic compound MI-D: a relationship with its uncoupling effect and scavenging activity. *Chemico-Biological Interactions*, **2009**, 179, 125-30	5	8
24	Effect of sydnone SYD-1 on certain functions of LPS-stimulated macrophages. *Molecular and Cellular Biochemistry*, **2012**, 360, 15-21	4.2	7
23	Comparative study of the effects of 1,3,4-thiadiazolium mesoionic derivatives on energy-linked functions of rat liver mitochondria. *Chemico-Biological Interactions*, **2010**, 186, 1-8	5	7
22	Importance of the core structure of flavones in promoting inhibition of the mitochondrial respiratory chain. *Chemico-Biological Interactions*, **2010**, 188, 52-8	5	7
21	Galactomannan from Schizolobium amazonicum seed and its sulfated derivatives impair metabolism in HepG2 cells. *International Journal of Biological Macromolecules*, **2017**, 101, 464-473	7.9	6
20	Acid heteropolysaccharides with potent antileishmanial effects. *International Journal of Biological Macromolecules*, **2015**, 81, 165-70	7.9	6
19	Standardized extract of Dicksonia sellowiana Presl. Hook (Dicksoniaceae) decreases oxidative damage in cultured endothelial cells and in rats. *Journal of Ethnopharmacology*, **2011**, 133, 999-1007	5	6
18	Sensitivities of the alternative respiratory components of potato tuber mitochondria to thiol reagents and Ca2+. *Plant Physiology and Biochemistry*, **2005**, 43, 61-7	5.4	6
17	Impairment of oxidative phosphorylation increases the toxicity of SYD-1 on hepatocarcinoma cells (HepG2). *Chemico-Biological Interactions*, **2016**, 256, 154-60	5	5
16	Short-term high temperature treatment reduces viability and inhibits respiration and DNA repair enzymes in Araucaria angustifolia cells. *Physiologia Plantarum*, **2019**, 166, 513-524	4.6	5
15	Glutathione modifies the oxidation products of 2Sdeoxyguanosine by singlet molecular oxygen. *Archives of Biochemistry and Biophysics*, **2015**, 586, 33-44	4.1	5
14	Polyphenol-Rich Foods Alleviate Pain and Ameliorate Quality of Life in Fibromyalgic Women. *International Journal for Vitamin and Nutrition Research*, **2017**, 87, 66-74	1.7	5
13	Cytotoxicity of xyloglucan from Copaifera langsdorffii and its complex with oxovanadium (IV/V) on B16F10 cells. *International Journal of Biological Macromolecules*, **2019**, 121, 1019-1028	7.9	4
12	Hypoxia protects against the cell death triggered by oxovanadium-galactomannan complexes in HepG2 cells. *Cellular and Molecular Biology Letters*, **2019**, 24, 18	8.1	3
11	Cold stress on Araucaria angustifolia embryogenic cells results in oxidative stress and induces adaptation: implications for conservation and propagation. *Free Radical Research*, **2019**, 53, 45-56	4	3
10	Intermittent binge-like ethanol exposure during adolescence attenuates the febrile response by reducing brown adipose tissue thermogenesis in rats. *Drug and Alcohol Dependence*, **2020**, 209, 107904	4.9	3

9	Antioxidant effect of 1,3,4-thiadiazolium mesoionic derivatives on isolated mitochondria. *European Journal of Pharmacology*, **2016**, 770, 78-84	5.3	3
8	Metabolism of the mesoionic compound (MI-D) by mouse liver microsome, detection of its metabolite in vivo, and acute toxicity in mice. *Journal of Biochemical and Molecular Toxicology*, **2009**, 23, 394-405	3.4	3
7	Antineoplastic activity of a novel ruthenium complex against human hepatocellular carcinoma (HepG2) and human cervical adenocarcinoma (HeLa) cells. *Heliyon*, **2020**, 6, e03862	3.6	2
6	Effects of a new antiprotozoal drug, N,NSdiphenyl-4-methoxy-benzamidine, on energy-linked functions of rat liver mitochondria. *Chemico-Biological Interactions*, **2018**, 279, 34-42	5	2
5	Mitochondrial bioenergetics and enzymatic antioxidant defense differ in Paran□pine cell lines with contrasting embryogenic potential. *Free Radical Research*, **2021**, 55, 255-266	4	1
4	The toxicity of 1,3,4-thiadiazolium mesoionic derivatives on hepatocarcinoma cells (HepG2) is associated with mitochondrial dysfunction. *Chemico-Biological Interactions*, **2021**, 349, 109675	5	1
3	The mesoionic compound MI-D changes energy metabolism and induces apoptosis in T98G glioma cells.. *Molecular and Cellular Biochemistry*, **2022**, 1	4.2	1
2	Characterization of an alcoholic hepatic steatosis model induced by ethanol and high-fat diet in rats. *Brazilian Archives of Biology and Technology*, **2015**, 58, 367-378	1.8	0
1	Cytotoxic effect of xyloglucan and oxovanadium (IV/V) xyloglucan complex in HepG2 cells. *International Journal of Biological Macromolecules*, **2021**, 185, 40-48	7.9	