

Silvia M Cadena

List of Publications by Year in descending order

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62
papers

1,046
citations

430442

18
h-index

476904

29
g-index

62
all docs

62
docs citations

62
times ranked

1857
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of triclosan (TRN) on energy-linked functions of rat liver mitochondria. <i>Toxicology Letters</i> , 2005, 160, 49-59.	0.4	71
2	Converting Potent Indeno[1,2- <i>b</i>]indole Inhibitors of Protein Kinase CK2 into Selective Inhibitors of the Breast Cancer Resistance Protein ABCG2. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 265-277.	2.9	61
3	Involvement of catalase in the apoptotic mechanism induced by apigenin in HepG2 human hepatoma cells. <i>Chemico-Biological Interactions</i> , 2011, 193, 180-189.	1.7	59
4	Effect of temperature acclimation on the liver antioxidant defence system of the Antarctic nototheniids <i>Notothenia coriiceps</i> and <i>Notothenia rossii</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2014, 172-173, 21-28.	0.7	52
5	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. <i>Experimental Cell Research</i> , 2012, 318, 1913-1925.	1.2	41
6	Metabolic switches during the first steps of adipogenic stem cells differentiation. <i>Stem Cell Research</i> , 2016, 17, 413-421.	0.3	39
7	Effects of deltamethrin on functions of rat liver mitochondria and on native and synthetic model membranes. <i>Toxicology Letters</i> , 2004, 152, 191-202.	0.4	35
8	Hispidulin: Antioxidant properties and effect on mitochondrial energy metabolism. <i>Free Radical Research</i> , 2005, 39, 1305-1315.	1.5	35
9	Cytotoxic effect of <i>Agaricus bisporus</i> and <i>Lactarius rufus</i> β -D-glucans on HepG2 cells. <i>International Journal of Biological Macromolecules</i> , 2013, 58, 95-103.	3.6	31
10	Effect of MI-D, a new mesoionic compound, on energy-linked functions of rat liver mitochondria. <i>FEBS Letters</i> , 1998, 440, 46-50.	1.3	28
11	Anti-fatigue activity of an arabinan-rich pectin from acerola (<i>Malpighia emarginata</i>). <i>International Journal of Biological Macromolecules</i> , 2018, 109, 1147-1153.	3.6	26
12	Celecoxib prevents tumor growth in an animal model by a COX-2 independent mechanism. <i>Cancer Chemotherapy and Pharmacology</i> , 2010, 65, 267-276.	1.1	24
13	Cytotoxic effect of a mannogalactoglucan extracted from <i>Agaricus bisporus</i> on HepG2 cells. <i>Carbohydrate Polymers</i> , 2017, 170, 33-42.	5.1	24
14	Interference of MI-D, a new mesoionic compound, on artificial and native membranes. <i>Cell Biochemistry and Function</i> , 2002, 20, 31-37.	1.4	22
15	Production of cachexia mediators by Walker 256 cells from ascitic tumors. <i>Cell Biochemistry and Function</i> , 2008, 26, 731-738.	1.4	22
16	The lectin BJcuL induces apoptosis through TRAIL expression, caspase cascade activation and mitochondrial membrane permeability in a human colon adenocarcinoma cell line. <i>Toxicon</i> , 2014, 90, 299-307.	0.8	22
17	Leishmanicidal activity of polysaccharides and their oxovanadium(IV/V) complexes. <i>European Journal of Medicinal Chemistry</i> , 2015, 90, 732-741.	2.6	22
18	New data on biological effects of chlorhexidine: Fe ²⁺ induced lipid peroxidation and mitochondrial permeability transition. <i>Toxicology Letters</i> , 2004, 151, 407-416.	0.4	19

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19	Eupafolin: Effect on mitochondrial energetic metabolism. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 854-861.	1.4	19
20	Effects of the <i>Crotalus durissus terrificus</i> snake venom on hepatic metabolism and oxidative stress. <i>Journal of Biochemical and Molecular Toxicology</i> , 2011, 25, 195-203.	1.4	19
21	Ruthenium complex exerts antineoplastic effects that are mediated by oxidative stress without inducing toxicity in Walker-256 tumor-bearing rats. <i>Free Radical Biology and Medicine</i> , 2017, 110, 228-239.	1.3	19
22	Phenolic indeno[1,2-b]indoles as ABCG2-selective potent and non-toxic inhibitors stimulating basal ATPase activity. <i>Drug Design, Development and Therapy</i> , 2015, 9, 3481.	2.0	18
23	Quinoxaline-substituted chalcones as new inhibitors of breast cancer resistance protein ABCG2: polyspecificity at B-ring position. <i>Drug Design, Development and Therapy</i> , 2014, 8, 609.	2.0	17
24	Melanogenesis inhibits respiration in B16-F10 melanoma cells whereas enhances mitochondrial cell content. <i>Experimental Cell Research</i> , 2017, 350, 62-72.	1.2	17
25	Effects of a new 1,3,4-thiadiazolium mesoionic compound, MI-D, on the acute inflammatory response. <i>Drug Development Research</i> , 2004, 61, 207-217.	1.4	16
26	Effects of silymarin on angiogenesis and oxidative stress in streptozotocin-induced diabetes in mice. <i>Biomedicine and Pharmacotherapy</i> , 2018, 108, 232-243.	2.5	16
27	Effects of natural flavones on membrane properties and cytotoxicity of HeLa cells. <i>Revista Brasileira De Farmacognosia</i> , 2010, 20, 403-408.	0.6	15
28	Effect of sydnone SYD-1, a mesoionic compound, on energy-linked functions of rat liver mitochondria. <i>Chemico-Biological Interactions</i> , 2007, 169, 160-170.	1.7	14
29	Effects of statins on liver cell function and inflammation in septic rats. <i>Journal of Surgical Research</i> , 2012, 178, 888-897.	0.8	13
30	The antioxidant effect of the mesoionic compound SYD-1 in mitochondria. <i>Chemico-Biological Interactions</i> , 2013, 205, 181-187.	1.7	13
31	Selective Cytotoxicity of 1,3,4-Thiadiazolium Mesoionic Derivatives on Hepatocarcinoma Cells (HepG2). <i>PLoS ONE</i> , 2015, 10, e0130046.	1.1	13
32	Toxicity of native and oxovanadium (IV/V) galactomannan complexes on HepG2 cells is related to impairment of mitochondrial functions. <i>Carbohydrate Polymers</i> , 2017, 173, 665-675.	5.1	13
33	Functional characterization of mitochondria isolated from the ancient gymnosperm <i>Araucaria angustifolia</i> . <i>Plant Science</i> , 2008, 175, 701-705.	1.7	11
34	Effect of flavonoids on 2-deoxyguanosine and DNA oxidation caused by singlet molecular oxygen. <i>Food and Chemical Toxicology</i> , 2010, 48, 2380-2387.	1.8	11
35	Importance of the core structure of flavones in promoting inhibition of the mitochondrial respiratory chain. <i>Chemico-Biological Interactions</i> , 2010, 188, 52-58.	1.7	10
36	Standardized extract of <i>Dicksonia sellowiana</i> Presl. Hook (Dicksoniaceae) decreases oxidative damage in cultured endothelial cells and in rats. <i>Journal of Ethnopharmacology</i> , 2011, 133, 999-1007.	2.0	10

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37	The involvement of PUMP from mitochondria of Araucaria angustifolia embryogenic cells in response to cold stress. <i>Plant Science</i> , 2012, 197, 84-91.	1.7	10
38	The inhibition of lipoperoxidation by mesoionic compound MI-D: A relationship with its uncoupling effect and scavenging activity. <i>Chemico-Biological Interactions</i> , 2009, 179, 125-130.	1.7	9
39	Interaction of 1,3,4-thiadiazolium mesoionic derivatives with mitochondrial membrane and scavenging activity: Involvement of their effects on mitochondrial energy-linked functions. <i>Chemico-Biological Interactions</i> , 2011, 189, 17-25.	1.7	9
40	Effect of sydnone SYD-1 on certain functions of LPS-stimulated macrophages. <i>Molecular and Cellular Biochemistry</i> , 2012, 360, 15-21.	1.4	9
41	Sydnone SYD-1 affects the metabolic functions of isolated rat hepatocytes. <i>Chemico-Biological Interactions</i> , 2014, 218, 107-114.	1.7	9
42	Hypoxia protects against the cell death triggered by oxovanadium-galactomannan complexes in HepG2 cells. <i>Cellular and Molecular Biology Letters</i> , 2019, 24, 18.	2.7	8
43	Cytotoxicity of xyloglucan from <i>Copaifera langsdorffii</i> and its complex with oxovanadium (IV/V) on B16F10 cells. <i>International Journal of Biological Macromolecules</i> , 2019, 121, 1019-1028.	3.6	8
44	Sensitivities of the alternative respiratory components of potato tuber mitochondria to thiol reagents and Ca ²⁺ . <i>Plant Physiology and Biochemistry</i> , 2005, 43, 61-67.	2.8	7
45	Comparative study of the effects of 1,3,4-thiadiazolium mesoionic derivatives on energy-linked functions of rat liver mitochondria. <i>Chemico-Biological Interactions</i> , 2010, 186, 1-8.	1.7	7
46	Acid heteropolysaccharides with potent antileishmanial effects. <i>International Journal of Biological Macromolecules</i> , 2015, 81, 165-170.	3.6	7
47	Galactomannan from <i>Schizolobium amazonicum</i> seed and its sulfated derivatives impair metabolism in HepG2 cells. <i>International Journal of Biological Macromolecules</i> , 2017, 101, 464-473.	3.6	7
48	Polyphenol-Rich Foods Alleviate Pain and Ameliorate Quality of Life in Fibromyalgic Women. <i>International Journal for Vitamin and Nutrition Research</i> , 2017, 87, 66-74.	0.6	7
49	Short-term high temperature treatment reduces viability and inhibits respiration and DNA repair enzymes in <i>Araucaria angustifolia</i> cells. <i>Physiologia Plantarum</i> , 2019, 166, 513-524.	2.6	6
50	Antineoplastic activity of a novel ruthenium complex against human hepatocellular carcinoma (HepG2) and human cervical adenocarcinoma (HeLa) cells. <i>Heliyon</i> , 2020, 6, e03862.	1.4	6
51	Glutathione modifies the oxidation products of 2-deoxyguanosine by singlet molecular oxygen. <i>Archives of Biochemistry and Biophysics</i> , 2015, 586, 33-44.	1.4	5
52	Impairment of oxidative phosphorylation increases the toxicity of SYD-1 on hepatocarcinoma cells (HepG2). <i>Chemico-Biological Interactions</i> , 2016, 256, 154-160.	1.7	5
53	Intermittent binge-like ethanol exposure during adolescence attenuates the febrile response by reducing brown adipose tissue thermogenesis in rats. <i>Drug and Alcohol Dependence</i> , 2020, 209, 107904.	1.6	5
54	Mitochondrial bioenergetics and enzymatic antioxidant defense differ in <i>Paraná</i> pine cell lines with contrasting embryogenic potential. <i>Free Radical Research</i> , 2021, 55, 255-266.	1.5	5

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55	Metabolism of the mesoionic compound (MI-D) by mouse liver microsome, detection of its metabolite <i>In Vivo</i> , and acute toxicity in mice. <i>Journal of Biochemical and Molecular Toxicology</i> , 2009, 23, 394-405.	1.4	4
56	Cold stress on <i>Araucaria angustifolia</i> embryogenic cells results in oxidative stress and induces adaptation: implications for conservation and propagation. <i>Free Radical Research</i> , 2019, 53, 45-56.	1.5	4
57	Antioxidant effect of 1,3,4-thiadiazolium mesoionic derivatives on isolated mitochondria. <i>European Journal of Pharmacology</i> , 2016, 770, 78-84.	1.7	3
58	Characterization of an alcoholic hepatic steatosis model induced by ethanol and high-fat diet in rats. <i>Brazilian Archives of Biology and Technology</i> , 2015, 58, 367-378.	0.5	2
59	Effects of a new antiprotozoal drug, N,N ² -diphenyl-4-methoxy-benzamidine, on energy-linked functions of rat liver mitochondria. <i>Chemico-Biological Interactions</i> , 2018, 279, 34-42.	1.7	2
60	The toxicity of 1,3,4-thiadiazolium mesoionic derivatives on hepatocarcinoma cells (HepG2) is associated with mitochondrial dysfunction. <i>Chemico-Biological Interactions</i> , 2021, 349, 109675.	1.7	2
61	The mesoionic compound MI-D changes energy metabolism and induces apoptosis in T98G glioma cells. <i>Molecular and Cellular Biochemistry</i> , 2022, 477, 2033-2045.	1.4	2
62	Cytotoxic effect of xyloglucan and oxovanadium (IV/V) xyloglucan complex in HepG2 cells. <i>International Journal of Biological Macromolecules</i> , 2021, 185, 40-48.	3.6	1