

# Silvia M Cadena

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9413099/publications.pdf>

Version: 2024-02-01

62  
papers

1,046  
citations

430874  
18  
h-index

477307  
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.	0.8	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.	6.4	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.	4.0	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.	1.6	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.	2.6	41
6	Metabolic switches during the first steps of adipogenic stem cells differentiation. <i>Stem Cell Research</i> , 2016, 17, 413-421.	0.7	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.	0.8	35
8	Hispidulin: Antioxidant properties and effect on mitochondrial energy metabolism. <i>Free Radical Research</i> , 2005, 39, 1305-1315.	3.3	35
9	Cytotoxic effect of <i>Agaricus bisporus</i> and <i>Lactarius rufus</i> $\beta$ -D-glucans on HepG2 cells. <i>International Journal of Biological Macromolecules</i> , 2013, 58, 95-103.	7.5	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.	2.8	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.	7.5	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.	2.3	24
13	Cytotoxic effect of a mannogalactoglucan extracted from <i>Agaricus bisporus</i> on HepG2 cells. <i>Carbohydrate Polymers</i> , 2017, 170, 33-42.	10.2	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.	2.9	22
15	Production of cachexia mediators by Walker 256 cells from ascitic tumors. <i>Cell Biochemistry and Function</i> , 2008, 26, 731-738.	2.9	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.	1.6	22
17	Leishmanicidal activity of polysaccharides and their oxovanadium(IV/V) complexes. <i>European Journal of Medicinal Chemistry</i> , 2015, 90, 732-741.	5.5	22
18	New data on biological effects of chlorhexidine: Fe <sup>2+</sup> induced lipid peroxidation and mitochondrial permeability transition. <i>Toxicology Letters</i> , 2004, 151, 407-416.	0.8	19

#	ARTICLE	IF	CITATIONS
19	Eupafolin: Effect on mitochondrial energetic metabolism. Bioorganic and Medicinal Chemistry, 2008, 16, 854-861.	3.0	19
20	Effects of the <i>Crotalus durissus terrificus</i> snake venom on hepatic metabolism and oxidative stress. Journal of Biochemical and Molecular Toxicology, 2011, 25, 195-203.	3.0	19
21	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.	2.9	19
22	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.	4.3	18
23	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.	4.3	17
24	Melanogenesis inhibits respiration in B16-F10 melanoma cells whereas enhances mitochondrial cell content. Experimental Cell Research, 2017, 350, 62-72.	2.6	17
25	Effects of a new 1,3,4-thiadiazolium mesoionic compound, MI-D, on the acute inflammatory response. Drug Development Research, 2004, 61, 207-217.	2.9	16
26	Effects of silymarin on angiogenesis and oxidative stress in streptozotocin-induced diabetes in mice. Biomedicine and Pharmacotherapy, 2018, 108, 232-243.	5.6	16
27	Effects of natural flavones on membrane properties and cytotoxicity of HeLa cells. Revista Brasileira De Farmacognosia, 2010, 20, 403-408.	1.4	15
28	Effect of sydnone SYD-1, a mesoionic compound, on energy-linked functions of rat liver mitochondria. Chemico-Biological Interactions, 2007, 169, 160-170.	4.0	14
29	Effects of statins on liver cell function and inflammation in septic rats. Journal of Surgical Research, 2012, 178, 888-897.	1.6	13
30	The antioxidant effect of the mesoionic compound SYD-1 in mitochondria. Chemico-Biological Interactions, 2013, 205, 181-187.	4.0	13
31	Selective Cytotoxicity of 1,3,4-Thiadiazolium Mesoionic Derivatives on Hepatocarcinoma Cells (HepG2). PLoS ONE, 2015, 10, e0130046.	2.5	13
32	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.	10.2	13
33	Functional characterization of mitochondria isolated from the ancient gymnosperm Araucaria angustifolia. Plant Science, 2008, 175, 701-705.	3.6	11
34	Effect of flavonoids on 2-deoxyguanosine and DNA oxidation caused by singlet molecular oxygen. Food and Chemical Toxicology, 2010, 48, 2380-2387.	3.6	11
35	Importance of the core structure of flavones in promoting inhibition of the mitochondrial respiratory chain. Chemico-Biological Interactions, 2010, 188, 52-58.	4.0	10
36	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.	4.1	10

#	ARTICLE	IF	CITATIONS
37	The involvement of PUMP from mitochondria of <i>Araucaria angustifolia</i> embryogenic cells in response to cold stress. <i>Plant Science</i> , 2012, 197, 84-91.	3.6	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.	4.0	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.	4.0	9
40	Effect of sydnone SYD-1 on certain functions of LPS-stimulated macrophages. <i>Molecular and Cellular Biochemistry</i> , 2012, 360, 15-21.	3.1	9
41	Sydnone SYD-1 affects the metabolic functions of isolated rat hepatocytes. <i>Chemico-Biological Interactions</i> , 2014, 218, 107-114.	4.0	9
42	Hypoxia protects against the cell death triggered by oxovanadium(IV)-galactomannan complexes in HepG2 cells. <i>Cellular and Molecular Biology Letters</i> , 2019, 24, 18.	7.0	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.	7.5	8
44	Sensitivities of the alternative respiratory components of potato tuber mitochondria to thiol reagents and Ca <sup>2+</sup> . <i>Plant Physiology and Biochemistry</i> , 2005, 43, 61-67.	5.8	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.	4.0	7
46	Acid heteropolysaccharides with potent antileishmanial effects. <i>International Journal of Biological Macromolecules</i> , 2015, 81, 165-170.	7.5	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.	7.5	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.	1.5	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.	5.2	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.	3.2	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.	3.0	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.	4.0	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.	3.2	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.	3.3	5

#	ARTICLE	IF	CITATIONS
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.	3.0	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.	3.3	4
57	Antioxidant effect of 1,3,4-thiadiazolium mesoionic derivatives on isolated mitochondria. <i>European Journal of Pharmacology</i> , 2016, 770, 78-84.	3.5	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'-diphenyl-4-methoxy-benzamidine, on energy-linked functions of rat liver mitochondria. <i>Chemico-Biological Interactions</i> , 2018, 279, 34-42.	4.0	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.	4.0	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.	3.1	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.	7.5	1