

# Silvia M Cadena

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	The mesoionic compound MI-D changes energy metabolism and induces apoptosis in T98G glioma cells.. <i>Molecular and Cellular Biochemistry</i> , <b>2022</b> , 1	4.2	1
61	Mitochondrial bioenergetics and enzymatic antioxidant defense differ in Paraneoplastic cell lines with contrasting embryogenic potential. <i>Free Radical Research</i> , <b>2021</b> , 55, 255-266	4	1
60	Cytotoxic effect of xyloglucan and oxovanadium (IV/V) xyloglucan complex in HepG2 cells. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 185, 40-48	7.9	
59	The toxicity of 1,3,4-thiadiazolium mesoionic derivatives on hepatocarcinoma cells (HepG2) is associated with mitochondrial dysfunction. <i>Chemico-Biological Interactions</i> , <b>2021</b> , 349, 109675	5	1
58	Antineoplastic activity of a novel ruthenium complex against human hepatocellular carcinoma (HepG2) and human cervical adenocarcinoma (HeLa) cells. <i>Heliyon</i> , <b>2020</b> , 6, e03862	3.6	2
57	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> , <b>2020</b> , 209, 107904	4.9	3
56	Hypoxia protects against the cell death triggered by oxovanadium-galactomannan complexes in HepG2 cells. <i>Cellular and Molecular Biology Letters</i> , <b>2019</b> , 24, 18	8.1	3
55	Cold stress on Araucaria angustifolia embryogenic cells results in oxidative stress and induces adaptation: implications for conservation and propagation. <i>Free Radical Research</i> , <b>2019</b> , 53, 45-56	4	3
54	Short-term high temperature treatment reduces viability and inhibits respiration and DNA repair enzymes in Araucaria angustifolia cells. <i>Physiologia Plantarum</i> , <b>2019</b> , 166, 513-524	4.6	5
53	Cytotoxicity of xyloglucan from Copaifera langsdorffii and its complex with oxovanadium (IV/V) on B16F10 cells. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 121, 1019-1028	7.9	4
52	Anti-fatigue activity of an arabinan-rich pectin from acerola (Malpighia emarginata). <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 109, 1147-1153	7.9	19
51	Effects of a new antiprotozoal drug, N,NSdiphenyl-4-methoxy-benzamidine, on energy-linked functions of rat liver mitochondria. <i>Chemico-Biological Interactions</i> , <b>2018</b> , 279, 34-42	5	2
50	Effects of silymarin on angiogenesis and oxidative stress in streptozotocin-induced diabetes in mice. <i>Biomedicine and Pharmacotherapy</i> , <b>2018</b> , 108, 232-243	7.5	11
49	Cytotoxic effect of a mannogalactoglucan extracted from Agaricus bisporus on HepG2 cells. <i>Carbohydrate Polymers</i> , <b>2017</b> , 170, 33-42	10.3	16
48	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> , <b>2017</b> , 110, 228-239	7.8	13
47	Toxicity of native and oxovanadium (IV/V) galactomannan complexes on HepG2 cells is related to impairment of mitochondrial functions. <i>Carbohydrate Polymers</i> , <b>2017</b> , 173, 665-675	10.3	11
46	Galactomannan from Schizolobium amazonicum seed and its sulfated derivatives impair metabolism in HepG2 cells. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 101, 464-473	7.9	6

45	Melanogenesis inhibits respiration in B16-F10 melanoma cells whereas enhances mitochondrial cell content. <i>Experimental Cell Research</i> , <b>2017</b> , 350, 62-72	4.2	12
44	Polyphenol-Rich Foods Alleviate Pain and Ameliorate Quality of Life in Fibromyalgic Women. <i>International Journal for Vitamin and Nutrition Research</i> , <b>2017</b> , 87, 66-74	1.7	5
43	Impairment of oxidative phosphorylation increases the toxicity of SYD-1 on hepatocarcinoma cells (HepG2). <i>Chemico-Biological Interactions</i> , <b>2016</b> , 256, 154-60	5	5
42	Antioxidant effect of 1,3,4-thiadiazolium mesoionic derivatives on isolated mitochondria. <i>European Journal of Pharmacology</i> , <b>2016</b> , 770, 78-84	5.3	3
41	Metabolic switches during the first steps of adipogenic stem cells differentiation. <i>Stem Cell Research</i> , <b>2016</b> , 17, 413-421	1.6	30
40	Acid heteropolysaccharides with potent antileishmanial effects. <i>International Journal of Biological Macromolecules</i> , <b>2015</b> , 81, 165-70	7.9	6
39	Leishmanicidal activity of polysaccharides and their oxovanadium(IV/V) complexes. <i>European Journal of Medicinal Chemistry</i> , <b>2015</b> , 90, 732-41	6.8	20
38	Converting potent indeno[1,2-b]indole inhibitors of protein kinase CK2 into selective inhibitors of the breast cancer resistance protein ABCG2. <i>Journal of Medicinal Chemistry</i> , <b>2015</b> , 58, 265-77	8.3	43
37	Glutathione modifies the oxidation products of 2Sdeoxyguanosine by singlet molecular oxygen. <i>Archives of Biochemistry and Biophysics</i> , <b>2015</b> , 586, 33-44	4.1	5
36	Selective Cytotoxicity of 1,3,4-Thiadiazolium Mesoionic Derivatives on Hepatocarcinoma Cells (HepG2). <i>PLoS ONE</i> , <b>2015</b> , 10, e0130046	3.7	12
35	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> , <b>2015</b> , 9, 3481-95	4.4	17
34	Characterization of an alcoholic hepatic steatosis model induced by ethanol and high-fat diet in rats. <i>Brazilian Archives of Biology and Technology</i> , <b>2015</b> , 58, 367-378	1.8	0
33	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> , <b>2014</b> , 172-173, 21-8	2.3	44
32	The lectin BJcuL induces apoptosis through TRAIL expression, caspase cascade activation and mitochondrial membrane permeability in a human colon adenocarcinoma cell line. <i>Toxicol</i> , <b>2014</b> , 90, 299-307	2.8	16
31	Sydnone SYD-1 affects the metabolic functions of isolated rat hepatocytes. <i>Chemico-Biological Interactions</i> , <b>2014</b> , 218, 107-14	5	8
30	Quinoxaline-substituted chalcones as new inhibitors of breast cancer resistance protein ABCG2: polyspecificity at B-ring position. <i>Drug Design, Development and Therapy</i> , <b>2014</b> , 8, 609-19	4.4	15
29	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> , <b>2013</b> , 58, 95-103	7.9	25
28	The antioxidant effect of the mesoionic compound SYD-1 in mitochondria. <i>Chemico-Biological Interactions</i> , <b>2013</b> , 205, 181-7	5	10

27	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> , <b>2012</b> , 318, 1913-25	4.2	35
26	Effect of sydnone SYD-1 on certain functions of LPS-stimulated macrophages. <i>Molecular and Cellular Biochemistry</i> , <b>2012</b> , 360, 15-21	4.2	7
25	The involvement of PUMP from mitochondria of Araucaria angustifolia embryogenic cells in response to cold stress. <i>Plant Science</i> , <b>2012</b> , 197, 84-91	5.3	9
24	Effects of statins on liver cell function and inflammation in septic rats. <i>Journal of Surgical Research</i> , <b>2012</b> , 178, 888-97	2.5	8
23	Standardized extract of Dicksonia sellowiana Presl. Hook (Dicksoniaceae) decreases oxidative damage in cultured endothelial cells and in rats. <i>Journal of Ethnopharmacology</i> , <b>2011</b> , 133, 999-1007	5	6
22	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> , <b>2011</b> , 189, 17-25	5	9
21	Involvement of catalase in the apoptotic mechanism induced by apigenin in HepG2 human hepatoma cells. <i>Chemico-Biological Interactions</i> , <b>2011</b> , 193, 180-9	5	48
20	Effects of the Crotalus durissus terrificus snake venom on hepatic metabolism and oxidative stress. <i>Journal of Biochemical and Molecular Toxicology</i> , <b>2011</b> , 25, 195-203	3.4	13
19	Effects of natural flavones on membrane properties and cytotoxicity of HeLa cells. <i>Revista Brasileira De Farmacognosia</i> , <b>2010</b> , 20, 403-408	2	10
18	Effect of flavonoids on 2Sdeoxyguanosine and DNA oxidation caused by singlet molecular oxygen. <i>Food and Chemical Toxicology</i> , <b>2010</b> , 48, 2380-7	4.7	11
17	Celecoxib prevents tumor growth in an animal model by a COX-2 independent mechanism. <i>Cancer Chemotherapy and Pharmacology</i> , <b>2010</b> , 65, 267-76	3.5	23
16	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> , <b>2010</b> , 186, 1-8	5	7
15	Importance of the core structure of flavones in promoting inhibition of the mitochondrial respiratory chain. <i>Chemico-Biological Interactions</i> , <b>2010</b> , 188, 52-8	5	7
14	The inhibition of lipoperoxidation by mesoionic compound MI-D: a relationship with its uncoupling effect and scavenging activity. <i>Chemico-Biological Interactions</i> , <b>2009</b> , 179, 125-30	5	8
13	Metabolism of the mesoionic compound (MI-D) by mouse liver microsome, detection of its metabolite in vivo, and acute toxicity in mice. <i>Journal of Biochemical and Molecular Toxicology</i> , <b>2009</b> , 23, 394-405	3.4	3
12	Functional characterization of mitochondria isolated from the ancient gymnosperm Araucaria angustifolia. <i>Plant Science</i> , <b>2008</b> , 175, 701-705	5.3	10
11	Production of cachexia mediators by Walker 256 cells from ascitic tumors. <i>Cell Biochemistry and Function</i> , <b>2008</b> , 26, 731-8	4.2	18
10	Eupafolin: Effect on mitochondrial energetic metabolism. <i>Bioorganic and Medicinal Chemistry</i> , <b>2008</b> , 16, 854-61	3.4	12

9	Effect of sydnone SYD-1, a mesoionic compound, on energy-linked functions of rat liver mitochondria. <i>Chemico-Biological Interactions</i> , <b>2007</b> , 169, 160-70	5	12
8	Effect of triclosan (TRN) on energy-linked functions of rat liver mitochondria. <i>Toxicology Letters</i> , <b>2005</b> , 160, 49-59	4.4	63
7	Hispidulin: antioxidant properties and effect on mitochondrial energy metabolism. <i>Free Radical Research</i> , <b>2005</b> , 39, 1305-15	4	28
6	Sensitivities of the alternative respiratory components of potato tuber mitochondria to thiol reagents and Ca <sup>2+</sup> . <i>Plant Physiology and Biochemistry</i> , <b>2005</b> , 43, 61-7	5.4	6
5	Effects of a new 1,3,4-thiadiazolium mesoionic compound, MI-D, on the acute inflammatory response. <i>Drug Development Research</i> , <b>2004</b> , 61, 207-217	5.1	16
4	New data on biological effects of chlorhexidine: Fe <sup>2+</sup> induced lipid peroxidation and mitochondrial permeability transition. <i>Toxicology Letters</i> , <b>2004</b> , 151, 407-16	4.4	17
3	Effects of deltamethrin on functions of rat liver mitochondria and on native and synthetic model membranes. <i>Toxicology Letters</i> , <b>2004</b> , 152, 191-202	4.4	31
2	Interference of MI-D, a new mesoionic compound, on artificial and native membranes. <i>Cell Biochemistry and Function</i> , <b>2002</b> , 20, 31-7	4.2	21
1	Effect of MI-D, a new mesoionic compound, on energy-linked functions of rat liver mitochondria. <i>FEBS Letters</i> , <b>1998</b> , 440, 46-50	3.8	26