

# Domnec J Sanchez

## List of Publications by Citations

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55  
papers

1,490  
citations

25  
h-index

36  
g-index

55  
ext. papers

1,612  
ext. citations

4.5  
avg, IF

3.94  
L-index

#	Paper	IF	Citations
55	Toxicology of vanadium compounds in diabetic rats: the action of chelating agents on vanadium accumulation. <i>Molecular and Cellular Biochemistry</i> , <b>1995</b> , 153, 233-40	4.2	88
54	Effects of exposure to BDE-99 on oxidative status of liver and kidney in adult rats. <i>Toxicology</i> , <b>2010</b> , 271, 51-6	4.4	63
53	Maternal and developmental toxicity of manganese in the mouse. <i>Toxicology Letters</i> , <b>1993</b> , 69, 45-52	4.4	59
52	Sulfasalazine induced oxidative stress: a possible mechanism of male infertility. <i>Reproductive Toxicology</i> , <b>2009</b> , 27, 35-40	3.4	58
51	Aluminum-induced pro-oxidant effects in rats: protective role of exogenous melatonin. <i>Journal of Pineal Research</i> , <b>2003</b> , 35, 32-9	10.4	58
50	Assessment of the pro-oxidant activity of uranium in kidney and testis of rats. <i>Toxicology Letters</i> , <b>2006</b> , 167, 152-61	4.4	54
49	Influence of age on aluminum-induced neurobehavioral effects and morphological changes in rat brain. <i>NeuroToxicology</i> , <b>2002</b> , 23, 775-81	4.4	54
48	Combined action of uranium and stress in the rat. II. Effects on male reproduction. <i>Toxicology Letters</i> , <b>2005</b> , 158, 186-95	4.4	52
47	The effect of age on aluminum retention in rats. <i>Toxicology</i> , <b>1997</b> , 116, 1-8	4.4	48
46	Behavioral effects and oxidative status in brain regions of adult rats exposed to BDE-99. <i>Toxicology Letters</i> , <b>2010</b> , 194, 1-7	4.4	45
45	Effects of BDE-99 on hormone homeostasis and biochemical parameters in adult male rats. <i>Food and Chemical Toxicology</i> , <b>2010</b> , 48, 2206-11	4.7	45
44	Pro-oxidant effects in the brain of rats concurrently exposed to uranium and stress. <i>Toxicology</i> , <b>2007</b> , 236, 82-91	4.4	41
43	Oral subchronic exposure to silver nanoparticles in rats. <i>Food and Chemical Toxicology</i> , <b>2016</b> , 92, 177-87	4.7	41
42	Oral exposure to silver nanoparticles increases oxidative stress markers in the liver of male rats and deregulates the insulin signalling pathway and p53 and cleaved caspase 3 protein expression. <i>Food and Chemical Toxicology</i> , <b>2018</b> , 115, 398-404	4.7	37
41	Effects of oral exposure to silver nanoparticles on the sperm of rats. <i>Reproductive Toxicology</i> , <b>2016</b> , 60, 133-9	3.4	36
40	Nephrotoxicity of simultaneous exposure to mercury and uranium in comparison to individual effects of these metals in rats. <i>Biological Trace Element Research</i> , <b>2001</b> , 84, 139-54	4.5	35
39	Melatonin reduces uranium-induced nephrotoxicity in rats. <i>Journal of Pineal Research</i> , <b>2007</b> , 43, 87-95	10.4	34

38	Perinatal exposure to BDE-99 causes learning disorders and decreases serum thyroid hormone levels and BDNF gene expression in hippocampus in rat offspring. <i>Toxicology</i> , <b>2013</b> , 308, 122-8	4.4	33
37	Lipid peroxidation and antioxidant status in kidney and liver of rats treated with sulfasalazine. <i>Toxicology</i> , <b>2009</b> , 256, 152-6	4.4	31
36	Combined action of uranium and stress in the rat. I. Behavioral effects. <i>Toxicology Letters</i> , <b>2005</b> , 158, 176-85	4.4	31
35	Effects of vanadium on activity and learning in rats. <i>Physiology and Behavior</i> , <b>1998</b> , 63, 345-50	3.5	29
34	Polyvinyl pyrrolidone-coated silver nanoparticles in a human lung cancer cells: time- and dose-dependent influence over p53 and caspase-3 protein expression and epigenetic effects. <i>Archives of Toxicology</i> , <b>2017</b> , 91, 651-666	5.8	28
33	Silicon reduces aluminum accumulation in rats: relevance to the aluminum hypothesis of Alzheimer disease. <i>Alzheimer Disease and Associated Disorders</i> , <b>1998</b> , 12, 83-7	2.5	28
32	BDE-99 deregulates BDNF, Bcl-2 and the mRNA expression of thyroid receptor isoforms in rat cerebellar granular neurons. <i>Toxicology</i> , <b>2011</b> , 290, 305-11	4.4	27
31	Age-related effects of aluminum ingestion on brain aluminum accumulation and behavior in rats. <i>Life Sciences</i> , <b>1996</b> , 58, 1387-95	6.8	27
30	Interactions in developmental toxicology: effects of concurrent exposure to lead, organic mercury, and arsenic in pregnant mice. <i>Archives of Environmental Contamination and Toxicology</i> , <b>2002</b> , 42, 93-8	3.2	24
29	Gestational exposure to BDE-99 produces toxicity through upregulation of CYP isoforms and ROS production in the fetal rat liver. <i>Toxicological Sciences</i> , <b>2012</b> , 127, 296-302	4.4	22
28	Interactions in developmental toxicology: combined action of restraint stress, caffeine, and aspirin in pregnant mice. <i>Teratology</i> , <b>2001</b> , 63, 144-51		21
27	Effects of aluminium on the mineral metabolism of rats in relation to age. <i>Basic and Clinical Pharmacology and Toxicology</i> , <b>1997</b> , 80, 11-7		20
26	Restraint stress does not enhance the uranium-induced developmental and behavioral effects in the offspring of uranium-exposed male rats. <i>Toxicology</i> , <b>2005</b> , 215, 69-79	4.4	19
25	Interactions of caffeine and restraint stress during pregnancy in mice. <i>Experimental Biology and Medicine</i> , <b>2002</b> , 227, 779-85	3.7	19
24	Behavioral effects of aluminum in mice: influence of restraint stress. <i>Neuropsychobiology</i> , <b>1999</b> , 40, 142-9		19
23	Relative efficacy of chelating agents on excretion and tissue distribution of manganese in mice. <i>Journal of Applied Toxicology</i> , <b>1995</b> , 15, 285-8	4.1	19
22	Exposure of pregnant rats to uranium and restraint stress: effects on postnatal development and behavior of the offspring. <i>Toxicology</i> , <b>2006</b> , 228, 323-32	4.4	18
21	Evaluation of the protective activity of deferiprone, an aluminum chelator, on aluminum-induced developmental toxicity in mice. <i>Teratology</i> , <b>2000</b> , 62, 86-92		16

20	Prevention by sodium 4,5-dihydroxybenzene-1,3-disulfonate (Tiron) of vanadium-induced behavioral toxicity in rats. <i>Biological Trace Element Research</i> , <b>1999</b> , 69, 249-59	4.5	16
19	Effect of various dietary constituents on gastrointestinal absorption of aluminum from drinking water and diet. <i>Research Communications in Chemical Pathology and Pharmacology</i> , <b>1993</b> , 79, 377-80		16
18	Obesogenic effects of chlorpyrifos and its metabolites during the differentiation of 3T3-L1 preadipocytes. <i>Food and Chemical Toxicology</i> , <b>2020</b> , 137, 111171	4.7	15
17	Influence of maternal stress on uranium-induced developmental toxicity in rats. <i>Experimental Biology and Medicine</i> , <b>2003</b> , 228, 1072-7	3.7	15
16	Evaluation of the protective activity of 2,3-dimercaptopropanol and sodium 2,3-dimercaptopropane-1-sulfonate on methylmercury-induced developmental toxicity in mice. <i>Archives of Environmental Contamination and Toxicology</i> , <b>1994</b> , 26, 64-8	3.2	14
15	Tiron administration minimizes the toxicity of vanadate but not its insulin mimetic properties in diabetic rats. <i>Life Sciences</i> , <b>1992</b> , 50, 1311-7	6.8	14
14	Effects of oral aluminum on essential trace elements metabolism during pregnancy. <i>Biological Trace Element Research</i> , <b>2001</b> , 79, 67-81	4.5	13
13	Effects of meso-2,3-dimercaptosuccinic acid (DMSA) on methyl mercury-induced teratogenesis in mice. <i>Ecotoxicology and Environmental Safety</i> , <b>1993</b> , 26, 33-9	7	13
12	Concentrations of some essential elements in the brain of aluminum-exposed rats in relation to the age of exposure. <i>Archives of Gerontology and Geriatrics</i> , <b>1997</b> , 24, 287-94	4	12
11	Prenatal effects of caffeine and restraint stress in mice. <i>Proceedings of the Society for Experimental Biology and Medicine</i> , <b>1999</b> , 220, 106-11		12
10	Perinatal exposure to BDE-99 causes decreased protein levels of cyclin D1 via GSK3 $\beta$ activation and increased ROS production in rat pup livers. <i>Toxicological Sciences</i> , <b>2014</b> , 137, 491-8	4.4	11
9	Lack of protective effects of dietary silicon on aluminium-induced maternal and developmental toxicity in mice. <i>Basic and Clinical Pharmacology and Toxicology</i> , <b>1999</b> , 85, 1-6		11
8	Embryotoxic and teratogenic effects of intraperitoneally administered metavanadate in mice. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , <b>1992</b> , 37, 47-56	3.2	11
7	New mechanistic insights on the metabolic-disruptor role of chlorpyrifos in apoE mice: a focus on insulin- and leptin-signalling pathways. <i>Archives of Toxicology</i> , <b>2018</b> , 92, 1717-1728	5.8	10
6	Assessment of the protective activity of monisoamyl meso-2,3-dimercaptosuccinate against methylmercury-induced maternal and embryo/fetal toxicity in mice. <i>Toxicology</i> , <b>1996</b> , 106, 93-7	4.4	8
5	Oral vanadate and Tiron in treatment of diabetes mellitus in rats: improvement of glucose homeostasis and negative side-effects. <i>Veterinary and Human Toxicology</i> , <b>1993</b> , 35, 495-500		6
4	Prenatal Effects of Caffeine and Restraint Stress in Mice. <i>Experimental Biology and Medicine</i> , <b>1999</b> , 220, 106-111	3.7	5
3	Exposure of pregnant mice to aluminum and restraint stress: Effects on postnatal development and behavior of the offspring. <i>Cognitive, Affective and Behavioral Neuroscience</i> , <b>1999</b> , 27, 521-529		5

- 2 Administration of vanadyl sulfate by gavage does not normalize blood glucose levels in streptozotocin-induced diabetic rats. *Research Communications in Chemical Pathology and Pharmacology*, **1992**, 75, 369-72 2
- 1 Developmental toxicity of cyclohexanediaminetetraacetic acid (CDTA) in mice. *Research Communications in Chemical Pathology and Pharmacology*, **1994**, 83, 329-40 2