

# Mercedes Gmez

## List of Publications by Citations

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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.

52  
papers

1,582  
citations

24  
h-index

38  
g-index

52  
ext. papers

1,711  
ext. citations

6  
avg, IF

4.15  
L-index

#	Paper	IF	Citations
52	Perfluorinated chemicals in blood of residents in Catalonia (Spain) in relation to age and gender: a pilot study. <i>Environment International</i> , <b>2007</b> , 33, 616-23	12.9	126
51	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
50	Oral vanadium administration to streptozotocin-diabetic rats has marked negative side-effects which are independent of the form of vanadium used. <i>Toxicology</i> , <b>1991</b> , 66, 279-87	4.4	83
49	Pro-oxidant activity of aluminum in the rat hippocampus: gene expression of antioxidant enzymes after melatonin administration. <i>Free Radical Biology and Medicine</i> , <b>2005</b> , 38, 104-11	7.8	80
48	Melatonin reduces oxidative stress and increases gene expression in the cerebral cortex and cerebellum of aluminum-exposed rats. <i>Journal of Pineal Research</i> , <b>2005</b> , 39, 129-36	10.4	77
47	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
46	Oxidative stress status and RNA expression in hippocampus of an animal model of Alzheimer's disease after chronic exposure to aluminum. <i>Hippocampus</i> , <b>2010</b> , 20, 218-25	3.5	54
45	Influence of some dietary constituents on aluminum absorption and retention in rats. <i>Kidney International</i> , <b>1991</b> , 39, 598-601	9.9	53
44	Vanadium compounds for the treatment of human diabetes mellitus: A scientific curiosity? A review of thirty years of research. <i>Food and Chemical Toxicology</i> , <b>2016</b> , 95, 137-41	4.7	51
43	The effect of age on aluminum retention in rats. <i>Toxicology</i> , <b>1997</b> , 116, 1-8	4.4	48
42	Developmental toxicity evaluation of oral aluminum in rats: influence of citrate. <i>Neurotoxicology and Teratology</i> , <b>1991</b> , 13, 323-8	3.9	47
41	Aluminum exposure through the diet: metal levels in AbetaPP transgenic mice, a model for Alzheimer's disease. <i>Toxicology</i> , <b>2008</b> , 249, 214-9	4.4	46
40	Developmental toxicity of vanadium in mice after oral administration. <i>Journal of Applied Toxicology</i> , <b>1990</b> , 10, 181-6	4.1	46
39	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
38	Oral subchronic exposure to silver nanoparticles in rats. <i>Food and Chemical Toxicology</i> , <b>2016</b> , 92, 177-87	4.7	41
37	Acute toxicity studies of aluminium compounds: antidotal efficacy of several chelating agents. <i>Basic and Clinical Pharmacology and Toxicology</i> , <b>1987</b> , 60, 280-3		39
36	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

35	Improvement of glucose homeostasis by oral vanadyl or vanadate treatment in diabetic rats is accompanied by negative side effects. <i>Basic and Clinical Pharmacology and Toxicology</i> , <b>1991</b> , 68, 249-53		35
34	Evaluation of the protective role of melatonin on the behavioral effects of aluminum in a mouse model of Alzheimer's disease. <i>Toxicology</i> , <b>2009</b> , 265, 49-55	4.4	34
33	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
32	Comparative aluminum mobilizing actions of deferoxamine and four 3-hydroxypyrid-4-ones in aluminum-loaded rats. <i>Toxicology</i> , <b>1998</b> , 130, 175-81	4.4	29
31	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
30	Treatment of experimental acute uranium poisoning by chelating agents. <i>Basic and Clinical Pharmacology and Toxicology</i> , <b>1989</b> , 64, 247-51		28
29	Chronic exposure to aluminum and melatonin through the diet: neurobehavioral effects in a transgenic mouse model of Alzheimer disease. <i>Food and Chemical Toxicology</i> , <b>2014</b> , 69, 320-9	4.7	26
28	Lack of teratogenicity of aluminum hydroxide in mice. <i>Life Sciences</i> , <b>1989</b> , 45, 243-7	6.8	24
27	Oral silicon supplementation: an effective therapy for preventing oral aluminum absorption and retention in mammals. <i>Nutrition Reviews</i> , <b>2011</b> , 69, 41-51	6.4	23
26	Citric, malic and succinic acids as possible alternatives to deferoxamine in aluminum toxicity. <i>Journal of Toxicology: Clinical Toxicology</i> , <b>1988</b> , 26, 67-79		23
25	Effect of ascorbic acid on gastrointestinal aluminium absorption. <i>Lancet, The</i> , <b>1991</b> , 338, 1467	4.0	22
24	Aluminium distribution and excretion: a comparative study of a number of chelating agents in rats. <i>Basic and Clinical Pharmacology and Toxicology</i> , <b>1998</b> , 82, 295-300		21
23	Effects on the reproductive system of young male rats of subcutaneous exposure to n-butylparaben. <i>Food and Chemical Toxicology</i> , <b>2017</b> , 106, 47-57	4.7	20
22	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
21	Lack of maternal and developmental toxicity in mice given high doses of aluminium hydroxide and ascorbic acid during gestation. <i>Basic and Clinical Pharmacology and Toxicology</i> , <b>1994</b> , 74, 236-9		19
20	Protective role of melatonin on oxidative stress status and RNA expression in cerebral cortex and cerebellum of AbetaPP transgenic mice after chronic exposure to aluminum. <i>Biological Trace Element Research</i> , <b>2010</b> , 135, 220-32	4.5	18
19	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
18	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

17	Developmental toxicity evaluation of gallium nitrate in mice. <i>Archives of Toxicology</i> , <b>1992</b> , 66, 188-92	5.8	15
16	Bioinspired Porous ZnO Nanomaterials from Fungal Polysaccharides: Advanced Materials with Unprecedented Low Toxicity in Vitro for Human Cells. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2015</b> , 3, 2716-2725	8.3	13
15	Role of Melatonin in Aluminum-Related Neurodegenerative Disorders: a Review. <i>Biological Trace Element Research</i> , <b>2019</b> , 188, 60-67	4.5	13
14	Mechanochemically synthesized Ag-based nanohybrids with unprecedented low toxicity in biomedical applications. <i>Environmental Research</i> , <b>2017</b> , 154, 204-211	7.9	12
13	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
12	Recognition memory and ß-amyloid plaques in adult Tg2576 mice are not modified after oral exposure to aluminum. <i>Alzheimer Disease and Associated Disorders</i> , <b>2012</b> , 26, 179-85	2.5	11
11	Age-Related differences on aluminium mobilization by chelating agents in aluminium-loaded uraemic rats. <i>Basic and Clinical Pharmacology and Toxicology</i> , <b>2000</b> , 87, 33-8		11
10	Role of deferoxamine on enzymatic stress markers in an animal model of Alzheimer's disease after chronic aluminum exposure. <i>Biological Trace Element Research</i> , <b>2011</b> , 141, 232-45	4.5	10
9	Effects of some chelating agents on urinary copper excretion by the rat. <i>Chemical Research in Toxicology</i> , <b>1995</b> , 8, 942-8	4	9
8	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
7	Oxidative stress in testes of rats exposed to n-butylparaben. <i>Food and Chemical Toxicology</i> , <b>2019</b> , 131, 110573	4.7	7
6	Oral exposure of rats to dienestrol during gestation and lactation: Effects on the reproductive system of male offspring. <i>Food and Chemical Toxicology</i> , <b>2019</b> , 128, 193-201	4.7	5
5	Melatonin does not modify the concentration of different metals in ABP transgenic mice. <i>Food and Chemical Toxicology</i> , <b>2014</b> , 70, 252-9	4.7	3
4	Maternal exposure to mixtures of dienestrol, linuron and flutamide. Part I: Feminization effects on male rat offspring. <i>Food and Chemical Toxicology</i> , <b>2020</b> , 139, 111256	4.7	2
3	Concurrent administration of D-penicillamine and zinc has no advantages over the use of either single agent on copper excretion in the rat. <i>Toxicology</i> , <b>1998</b> , 126, 195-201	4.4	2
2	Comparative efficacy of several potential treatments for copper mobilization in copper-overloaded rats. <i>Biological Trace Element Research</i> , <b>2000</b> , 74, 127-39	4.5	
1	Toxicology of vanadium compounds in diabetic rats: The action of chelating agents on vanadium accumulation <b>1995</b> , 233-240		