

# Maria Rosa Avila-Costa

## List of Publications by Citations

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37  
papers

729  
citations

18  
h-index

26  
g-index

43  
ext. papers

807  
ext. citations

3.6  
avg, IF

2.83  
L-index

#	Paper	IF	Citations
37	Effects of taurine on ozone-induced memory deficits and lipid peroxidation levels in brains of young, mature, and old rats. <i>Environmental Research</i> , <b>2000</b> , 82, 7-17	7.9	59
36	Memory deterioration in an oxidative stress model and its correlation with cytological changes on rat hippocampus CA1. <i>Neuroscience Letters</i> , <b>1999</b> , 270, 107-9	3.3	54
35	Ultrastructural modifications in the mitochondrion of mouse Sertoli cells after inhalation of lead, cadmium or lead-cadmium mixture. <i>Reproductive Toxicology</i> , <b>2003</b> , 17, 561-6	3.4	47
34	Vanadium in ambient air: concentrations in lung tissue from autopsies of Mexico City residents in the 1960s and 1990s. <i>Archives of Environmental Health</i> , <b>2002</b> , 57, 446-9		47
33	Nigrostriatal modifications after vanadium inhalation: an immunocytochemical and cytological approach. <i>Neurochemical Research</i> , <b>2004</b> , 29, 1365-9	4.6	44
32	Hippocampal cell alterations induced by the inhalation of vanadium pentoxide (V(2)O(5)) promote memory deterioration. <i>NeuroToxicology</i> , <b>2006</b> , 27, 1007-12	4.4	43
31	Ependymal epithelium disruption after vanadium pentoxide inhalation. A mice experimental model. <i>Neuroscience Letters</i> , <b>2005</b> , 381, 21-5	3.3	35
30	Sex differences in bronchiolar epithelium response after the inhalation of lead acetate (Pb). <i>Toxicology</i> , <b>2005</b> , 207, 323-30	4.4	32
29	Manganese mixture inhalation is a reliable Parkinson disease model in rats. <i>NeuroToxicology</i> , <b>2012</b> , 33, 1346-55	4.4	30
28	Lead blood concentrations and renal function evaluation: study in an exposed Mexican population. <i>Environmental Research</i> , <b>2006</b> , 100, 227-31	7.9	29
27	Morphologic alteration of the olfactory bulb after acute ozone exposure in rats. <i>Neuroscience Letters</i> , <b>1999</b> , 274, 1-4	3.3	29
26	Thrombocytosis induced in mice after subacute and subchronic V2O5 inhalation. <i>Toxicology and Industrial Health</i> , <b>2006</b> , 22, 113-6	1.8	28
25	Inhaled vanadium pentoxide decrease gamma-tubulin of mouse testes at different exposure times. <i>Toxicology and Industrial Health</i> , <b>2005</b> , 21, 215-22	1.8	26
24	Ultrastructural findings in murine seminiferous tubules as a consequence of subchronic vanadium pentoxide inhalation. <i>Reproductive Toxicology</i> , <b>2007</b> , 23, 588-92	3.4	22
23	Genotoxic differences by sex in nasal epithelium and blood leukocytes in subjects residing in a highly polluted area. <i>Environmental Research</i> , <b>2004</b> , 94, 243-8	7.9	22
22	Motor impairments in an oxidative stress model and its correlation with cytological changes on rat striatum and prefrontal cortex. <i>International Journal of Neuroscience</i> , <b>2001</b> , 108, 193-200	2	21
21	L-DOPA treatment reverses the motor alterations induced by manganese exposure as a Parkinson disease experimental model. <i>Neuroscience Letters</i> , <b>2010</b> , 471, 79-82	3.3	18

20	DNA damage as an early biomarker of effect in human health. <i>Toxicology and Industrial Health</i> , <b>2005</b> , 21, 155-66	1.8	18
19	Inhalation of cadmium, lead or its mixture Effects on the bronchiolar structure and its relation with metal tissue concentrations. <i>Environmental Toxicology and Pharmacology</i> , <b>2005</b> , 19, 329-34	5.8	16
18	Ontogeny of Lafora bodies and neurocytoskeleton changes in Laforin-deficient mice. <i>Experimental Neurology</i> , <b>2012</b> , 236, 131-40	5.7	13
17	Manganese inhalation as a Parkinson disease model. <i>Parkinsons Disease</i> , <b>2010</b> , 2011, 612989	2.6	13
16	Altered responsiveness of the guinea-pig isolated ileum to smooth muscle stimulants and to electrical stimulation after in situ ischemia. <i>British Journal of Pharmacology</i> , <b>2006</b> , 147, 371-8	8.6	12
15	Effect of chronic L-dopa or melatonin treatments after dopamine deafferentation in rats: dyskinesia, motor performance, and cytological analysis. <i>ISRN Neurology</i> , <b>2012</b> , 2012, 360379		11
14	Bilateral increase of perforated synapses after unilateral dopamine depletion. <i>International Journal of Neuroscience</i> , <b>2005</b> , 115, 79-86	2	9
13	Differences between hippocampus and cerebral cortex in aged rats in an oxidative stress model. <i>International Journal of Neuroscience</i> , <b>2002</b> , 112, 373-81	2	9
12	Bromocriptine treatment in a murine Parkinson's model: ultrastructural evaluation after dopaminergic deafferentation. <i>International Journal of Neuroscience</i> , <b>2005</b> , 115, 851-9	2	8
11	Metal mixture inhalation (Cd-Pb) and its effects on the bronchiolar epithelium. An ultrastructural approach. <i>Toxicology and Industrial Health</i> , <b>2004</b> , 20, 69-75	1.8	6
10	Aluminum. <i>Methods in Enzymology</i> , <b>1988</b> , 158, 289-301	1.7	5
9	The presence of perforated synapses in the striatum after dopamine depletion, is this a sign of maladaptive brain plasticity?. <i>Microscopy (Oxford, England)</i> , <b>2014</b> , 63, 427-35	1.3	4
8	Nasal cytology and genotoxic damage in nasal epithelium and leukocytes: asthmatics versus nonasthmatics. <i>International Archives of Allergy and Immunology</i> , <b>2003</b> , 130, 232-5	3.7	4
7	An Overview of Lung Cancer in Women and the Impact of Estrogen in Lung Carcinogenesis and Lung Cancer Treatment. <i>Frontiers in Medicine</i> , <b>2021</b> , 8, 600121	4.9	4
6	Golgi study of medium spiny neurons from dorsolateral striatum of the turtle <i>Trachemys scripta elegans</i> . <i>Neuroscience Letters</i> , <b>2013</b> , 556, 227-231	3.3	3
5	Schwann Cell Autophagy and Necrosis as Mechanisms of Cell Death by. <i>Pathogens</i> , <b>2020</b> , 9,	4.5	2
4	Neurodegenerative Diseases <b>2014</b> ,		2
3	Manganese Inhalation Induces Dopaminergic Cell Loss: Relevance to Parkinson's Disease <b>2018</b> ,		2

- 2 Alzheimer-like cell death after vanadium pentoxide inhalation. *Heliyon*, **2021**, 7, e07856 3.6 1
- 1 Ipratropium bromide/salbutamol. *Reactions Weekly*, **2007**, &NA;, 22 0