Daiana Silva vila

List of Publications by Year in Descending Order

98 papers	2,557 citations	28 h-index	46 g-index
104 ext. papers	2,970 ext. citations	4.8 avg, IF	4.98 L-index

#	Paper	IF	Citations
98	Neurotoxicity induced by toluene: In silico and in vivo evidences of mitochondrial dysfunction and dopaminergic neurodegeneration.. *Environmental Pollution*, **2022**, 298, 118856	9.3	3
97	Pitanga (Eugenia uniflora L.) as a source of bioactive compounds for health benefits: A review. *Arabian Journal of Chemistry*, **2022**, 15, 103691	5.9	1
96	Dihydropyrimidinone-derived selenoesters efficacy and safety in an in vivo model of A aggregation. *NeuroToxicology*, **2021**, 88, 14-24	4.4	2
95	Clove oil-loaded zein nanoparticles as potential bioinsecticide agent with low toxicity. *Sustainable Chemistry and Pharmacy*, **2021**, 24, 100554	3.9	3
94	Caffeic acid and caffeine attenuate toxicity associated with malonic or methylmalonic acid exposure in Drosophila melanogaster. *Naunyn-Schmiedeberg's Archives of Pharmacology*, **2021**, 394, 227-240	3.4	1
93	Ecotoxicological assessment of Uruguay River and affluents pre- and post-pesticides application using Caenorhabditis elegans for biomonitoring. *Environmental Science and Pollution Research*, **2021**, 28, 21730-21741	5.1	0
92	Co-nanoencapsulated meloxicam and curcumin improves cognitive impairment induced by amyloid-beta through modulation of cyclooxygenase-2 in mice. *Neural Regeneration Research*, **2021**, 16, 783-789	4.5	2
91	Manganese Neurotoxicity **2021**, 1-26		
90	Review of current neurotoxicology biomarkers **2021**, 215-231		
89	Gut Microbiota as a Potential Player in Mn-Induced Neurotoxicity. *Biomolecules*, **2021**, 11,	5.9	3
88	Antidepressant-like effect of (3Z)-5-Chloro-3-(hydroxyimino)indolin-2-one in rats exposed to malathion: Involvement of BDNF-Trk pathway and AChE. *Life Sciences*, **2020**, 256, 117892	6.8	2
87	Activation of SOD-3 is involved in the antioxidant effect of a new class of aryl-chalcogenium azide compounds in Caenorhabditis elegans. *Anais Da Academia Brasileira De Ciencias*, **2020**, 92, e20181147	1.4	3
86	Risk Assessment of Nanofertilizers and Nanopesticides **2020**, 299-316		1
85	The impact of manganese on neurotransmitter systems. *Journal of Trace Elements in Medicine and Biology*, **2020**, 61, 126554	4.1	16
84	Pre-clinical evidence of safety and protective effect of isatin and oxime derivatives against malathion-induced toxicity. *Basic and Clinical Pharmacology and Toxicology*, **2020**, 126, 399-410	3.1	3
83	Airborne toluene exposure causes germline apoptosis and neuronal damage that promotes neurobehavioural changes in Caenorhabditis elegans. *Environmental Pollution*, **2020**, 256, 113406	9.3	10
82	Piperazine designer drugs elicit toxicity in the alternative in vivo model Caenorhabditis elegans. *Journal of Applied Toxicology*, **2020**, 40, 363-372	4.1	3

81	Butiﬁ fruit extract (Butia eriospatha) protects against oxidative damage and increases lifespan on Caenorhabditis elegans. *Journal of Food Biochemistry*, **2020**, 44, e13139	3.3	5
80	Baru Pulp (Vogel): Fruit from the Brazilian Savanna Protects against Oxidative Stress and Increases the Life Expectancy of via SOD-3 and DAF-16. *Biomolecules*, **2020**, 10,	5.9	6
79	Aqueous Bark Extract of (A. St.-Hill) Ravenna Protects against Glucose Toxicity in. *Oxidative Medicine and Cellular Longevity*, **2020**, 2020, 1321354	6.7	1
78	Synthesis of enantiomerically pure glycerol derivatives containing an organochalcogen unit: In vitro and in vivo antioxidant activity. *Arabian Journal of Chemistry*, **2020**, 13, 883-899	5.9	7
77	Organoselenotriazoles attenuate oxidative damage induced by mitochondrial dysfunction in mev-1 Caenorhabditis elegans mutants. *Journal of Trace Elements in Medicine and Biology*, **2019**, 53, 34-40	4.1	7
76	Neem oil based nanopesticide as an environmentally-friendly formulation for applications in sustainable agriculture: An ecotoxicological perspective. *Science of the Total Environment*, **2019**, 677, 57-67	10.2	55
75	Reprotoxicity of glyphosate-based formulation in Caenorhabditis elegans is not due to the active ingredient only. *Environmental Pollution*, **2019**, 252, 1854-1862	9.3	14
74	Lipid reducing potential of liposomes loaded with ethanolic extract of purple (administered to. *Journal of Liposome Research*, **2019**, 29, 274-282	6.1	4
73	Thimerosal inhibits Drosophila melanogaster tyrosine hydroxylase (DmTyrH) leading to changes in dopamine levels and impaired motor behavior: implications for neurotoxicity. *Metallomics*, **2019**, 11, 362-374	4.5	14
72	Antioxidant and lipid lowering effects of dried fruits oil extract of Pterodon emarginatusin Caenorhabditis elegans. *Arabian Journal of Chemistry*, **2019**, 12, 4131-4141	5.9	6
71	Metabolic effects of manganese in the nematode Caenorhabditis elegans through DAergic pathway and transcription factors activation. *NeuroToxicology*, **2018**, 67, 65-72	4.4	13
70	Nanotoxicology assessment in complementary/alternative models. *Energy, Ecology and Environment*, **2018**, 3, 72-80	3.5	4
69	Co-nanoencapsulation of antimalarial drugs increases their in vitro efficacy against Plasmodium falciparum and decreases their toxicity to Caenorhabditis elegans. *European Journal of Pharmaceutical Sciences*, **2018**, 118, 1-12	5.1	28
68	Optimization of Curcuma Oil/Quinine-Loaded Nanocapsules for Malaria Treatment. *AAPS PharmSciTech*, **2018**, 19, 551-564	3.9	19
67	Comparison of the Toxic Effects of Quinolinic Acid and 3-Nitropropionic Acid in C. elegans: Involvement of the SKN-1 Pathway. *Neurotoxicity Research*, **2018**, 33, 259-267	4.3	12
66	Purple pitanga fruit (Eugenia uniflora L.) protects against oxidative stress and increase the lifespan in Caenorhabditis elegans via the DAF-16/FOXO pathway. *Food and Chemical Toxicology*, **2018**, 120, 639-650	4.7	35
65	Resveratrol attenuates iron-induced toxicity in a chronic post-treatment paradigm in Caenorhabditis elegans. *Free Radical Research*, **2018**, 52, 939-951	4	10
64	Cellular Responses in Drosophila melanogaster Following Teratogen Exposure. *Methods in Molecular Biology*, **2018**, 1797, 243-276	1.4	

63	L. (chia) seeds oil extracts reduce lipid accumulation and produce stress resistance in. *Nutrition and Metabolism*, **2018**, 15, 83	4.6	10
62	Effect of N-1 arylation of monastrol on kinesin Eg5 inhibition in glioma cell lines. *MedChemComm*, **2018**, 9, 995-1010	5	8
61	Safety assessment of nanopesticides using the roundworm Caenorhabditis elegans. *Ecotoxicology and Environmental Safety*, **2017**, 139, 245-253	7	46
60	Insights into the differential toxicological and antioxidant effects of 4-phenylchalcogenil-7-chloroquinolines in Caenorhabditis elegans. *Free Radical Biology and Medicine*, **2017**, 110, 133-141	7.8	32
59	Neurodegeneration Induced by Metals in Caenorhabditis elegans. *Advances in Neurobiology*, **2017**, 18, 355-383	2.1	11
58	Ilex paraguariensis crude extract acts on protection and reversion from damage induced by t-butyl hydroperoxide in human erythrocytes: a comparative study with isolated caffeic and/or chlorogenic acids. *Journal of the Science of Food and Agriculture*, **2017**, 97, 2007-2014	4.3	10
57	Nanomaterials in the Environment: Perspectives on in Vivo Terrestrial Toxicity Testing. *Frontiers in Environmental Science*, **2017**, 5,	4.8	5
56	"Manganese-induced neurotoxicity: a review of its behavioral consequences and neuroprotective strategies". *BMC Pharmacology & Toxicology*, **2016**, 17, 57	2.6	174
55	Reversible reprotoxic effects of manganese through DAF-16 transcription factor activation and vitellogenin downregulation in Caenorhabditis elegans. *Life Sciences*, **2016**, 151, 218-223	6.8	15
54	Clozapine-Loaded Polysorbate-Coated Polymeric Nanocapsules: Physico-Chemical Characterization and Toxicity Evaluation in Caenorhabditis elegans Model. *Journal of Nanoscience and Nanotechnology*, **2016**, 16, 1257-64	1.3	15
53	Involvement of heat shock proteins on Mn-induced toxicity in Caenorhabditis elegans. *BMC Pharmacology & Toxicology*, **2016**, 17, 54	2.6	20
52	Yerba mate (Ilex paraguariensis St. Hill.)-based beverages: How successive extraction influences the extract composition and its capacity to chelate iron and scavenge free radicals. *Food Chemistry*, **2016**, 209, 185-95	8.5	37
51	Protective effects of novel organic selenium compounds against oxidative stress in the nematode. *Toxicology Reports*, **2015**, 2, 961-967	4.8	20
50	Euphorbia tirucalli aqueous extract induces cytotoxicity, genotoxicity and changes in antioxidant gene expression in human leukocytes. *Toxicology Research*, **2015**, 4, 739-748	2.6	20
49	Behavioral and dopaminergic damage induced by acute iron toxicity in Caenorhabditis elegans. *Toxicology Research*, **2015**, 4, 878-884	2.6	16
48	Caenorhabditis elegans as an alternative in vivo model to determine oral uptake, nanotoxicity, and efficacy of melatonin-loaded lipid-core nanocapsules on paraquat damage. *International Journal of Nanomedicine*, **2015**, 10, 5093-106	7.3	38
47	Mitochondrial Effects of Organoselenium and Organotellurium Compounds. *Current Organic Chemistry*, **2015**, 20, 198-210	1.7	6
46	Antioxidant Activity of some Medicinal Plant Extracts: Implications for Neuroprotection. *Pharmacologia*, **2015**, 6, 282-292		3

45	Direct synthesis of 4-organylsulfenyl-7-chloro quinolines and their toxicological and pharmacological activities in Caenorhabditis elegans. *European Journal of Medicinal Chemistry*, **2014**, 75, 448-59	6.8	25
44	Antiulcerogenic activity of Scutia buxifolia on gastric ulcers induced by ethanol in rats. *Acta Pharmaceutica Sinica B*, **2014**, 4, 358-67	15.5	47
43	Ilex paraguariensis Extract Increases Lifespan and Protects Against the Toxic Effects Caused by Paraquat in Caenorhabditis elegans. *International Journal of Environmental Research and Public Health*, **2014**, 11, 10091-104	4.6	24
42	Evaluation of toxic metals and essential elements in children with learning disabilities from a rural area of southern Brazil. *International Journal of Environmental Research and Public Health*, **2014**, 11, 10806-23	4.6	17
41	Are delta-aminolevulinate dehydratase inhibition and metal concentrations additional factors for the age-related cognitive decline?. *International Journal of Environmental Research and Public Health*, **2014**, 11, 10851-67	4.6	12
40	Chapter 8:Manganese and Oxidative Stress. *Issues in Toxicology*, **2014**, 199-220	0.3	
39	Manganese Neurotoxicity **2014**, 843-864		1
38	Seleno- and telluro-xylofuranosides attenuate Mn-induced toxicity in C. elegans via the DAF-16/FOXO pathway. *Food and Chemical Toxicology*, **2014**, 64, 192-9	4.7	24
37	The influence of Bauhinia forficata Link subsp. pruinosa tea on lipid peroxidation and non-protein SH groups in human erythrocytes exposed to high glucose concentrations. *Journal of Ethnopharmacology*, **2013**, 148, 81-7	5	28
36	Diphenyl diselenide supplementation reduces biochemical alterations associated with oxidative stress in rats fed with fructose and hydrochlorothiazide. *Chemico-Biological Interactions*, **2013**, 204, 191-9	5	17
35	Chlorpyrifos-, diisopropylphosphorofluoridate-, and parathion-induced behavioral and oxidative stress effects: are they mediated by analogous mechanisms of action?. *Toxicological Sciences*, **2013**, 131, 206-16	4.4	32
34	Metals, oxidative stress and neurodegeneration: a focus on iron, manganese and mercury. *Neurochemistry International*, **2013**, 62, 575-94	4.4	347
33	Hydrochlorothiazide and high-fat diets reduce plasma magnesium levels and increase hepatic oxidative stress in rats. *Magnesium Research*, **2013**, 26, 32-40	1.7	7
32	Manganese in health and disease. *Metal Ions in Life Sciences*, **2013**, 13, 199-227	2.6	117
31	The antioxidant properties of different phthalocyanines. *Toxicology in Vitro*, **2012**, 26, 125-32	3.6	32
30	Anti-aging effects of deuterium depletion on Mn-induced toxicity in a C. elegans model. *Toxicology Letters*, **2012**, 211, 319-24	4.4	22
29	Protective effect of Melissa officinalis aqueous extract against Mn-induced oxidative stress in chronically exposed mice. *Brain Research Bulletin*, **2012**, 87, 74-9	3.9	51
28	Cooperation of non-effective concentration of glutamatergic system modulators and antioxidant against oxidative stress induced by quinolinic acid. *Neurochemical Research*, **2012**, 37, 1993-2003	4.6	7

27	Genome-Wide Analyses of Metal Responsive Genes in Caenorhabditis elegans. *Frontiers in Genetics*, **2012**, 3, 52	4.5	13
26	Organotellurium and organoselenium compounds attenuate Mn-induced toxicity in Caenorhabditis elegans by preventing oxidative stress. *Free Radical Biology and Medicine*, **2012**, 52, 1903-10	7.8	53
25	The Caenorhabiditis elegans model as a reliable tool in neurotoxicology. *Human and Experimental Toxicology*, **2012**, 31, 236-43	3.4	53
24	Low concentrations of methamidophos do not alter AChE activity but modulate neurotransmitters uptake in hippocampus and striatum in vitro. *Life Sciences*, **2011**, 88, 89-95	6.8	9
23	Insights from Caenorhabditis elegans on the role of metals in neurodegenerative diseases. *Metallomics*, **2011**, 3, 271-9	4.5	29
22	Caenorhabditis elegans as a model to assess reproductive and developmental toxicity **2011**, 193-205		1
21	Hepatoprotective activity of a vinylic telluride against acute exposure to acetaminophen. *European Journal of Pharmacology*, **2011**, 661, 92-101	5.3	17
20	Environmental exposure, obesity, and Parkinson's disease: lessons from fat and old worms. *Environmental Health Perspectives*, **2011**, 119, 20-8	8.4	18
19	A possible neuroprotective action of a vinylic telluride against Mn-induced neurotoxicity. *Toxicological Sciences*, **2010**, 115, 194-201	4.4	57
18	Extracellular dopamine potentiates mn-induced oxidative stress, lifespan reduction, and dopaminergic neurodegeneration in a BLI-3-dependent manner in Caenorhabditis elegans. *PLoS Genetics*, **2010**, 6, e1001084	6	141
17	Gene-environment interactions: neurodegeneration in non-mammals and mammals. *NeuroToxicology*, **2010**, 31, 582-8	4.4	16
16	Diacerein decreases TNF-alpha and IL-1beta levels in peritoneal fluid and prevents Baker's yeast-induced fever in young rats. *Inflammation Research*, **2010**, 59, 189-96	7.2	21
15	Utility of Caenorhabditis elegans in high throughput neurotoxicological research. *Neurotoxicology and Teratology*, **2010**, 32, 62-7	3.9	41
14	Stressed-induced TMEM135 protein is part of a conserved genetic network involved in fat storage and longevity regulation in Caenorhabditis elegans. *PLoS ONE*, **2010**, 5, e14228	3.7	26
13	Butane-2,3-dionethiosemicarbazone: an oxime with antioxidant properties. *Chemico-Biological Interactions*, **2009**, 177, 153-60	5	27
12	High-fat diet and hydrochlorothiazide increase oxidative stress in brain of rats. *Cell Biochemistry and Function*, **2009**, 27, 473-8	4.2	21
11	Swimming training prevents pentylenetetrazol-induced inhibition of Na+, K+-ATPase activity, seizures, and oxidative stress. *Epilepsia*, **2009**, 50, 811-23	6.4	61
10	Additive anticonvulsant effects of creatine supplementation and physical exercise against pentylenetetrazol-induced seizures. *Neurochemistry International*, **2009**, 55, 333-40	4.4	46

9	Involvement of striatal lipid peroxidation and inhibition of calcium influx into brain slices in neurobehavioral alterations in a rat model of short-term oral exposure to manganese. *NeuroToxicology*, **2008**, 29, 1062-8	4.4	20
8	An organotellurium compound with antioxidant activity against excitotoxic agents without neurotoxic effects in brain of rats. *Brain Research Bulletin*, **2008**, 76, 114-23	3.9	36
7	Potentially adverse interactions between haloperidol and valerian. *Food and Chemical Toxicology*, **2008**, 46, 2369-75	4.7	13
6	Comparative studies on dicholesteroyl diselenide and diphenyl diselenide as antioxidant agents and their effect on the activities of Na+/K+ ATPase and delta-aminolevulinic acid dehydratase in the rat brain. *Neurochemical Research*, **2008**, 33, 167-78	4.6	39
5	Valeriana officinalis does not alter the orofacial dyskinesia induced by haloperidol in rats: role of dopamine transporter. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*, **2007**, 31, 1478-86	5.5	45
4	A biochemical and toxicological study with diethyl 2-phenyl-2-tellurophenyl vinylphosphonate in a sub-chronic intraperitoneal treatment in mice. *Life Sciences*, **2007**, 80, 1865-72	6.8	19
3	Diethyl 2-phenyl-2 tellurophenyl vinylphosphonate: an organotellurium compound with low toxicity. *Toxicology*, **2006**, 224, 100-7	4.4	32
2	Baker yeast-induced fever in young rats: characterization and validation of an animal model for antipyretics screening. *Journal of Neuroscience Methods*, **2005**, 147, 29-35	3	50
1	alpha-Tocopherol protects against pentylenetetrazol- and methylmalonate-induced convulsions. *Epilepsy Research*, **2005**, 66, 185-94	3	41