

Daiana Silva vila

List of Publications by Citations

Source: <https://exaly.com/author-pdf/6545855/daiana-silva-avila-publications-by-citations.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

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	Metals, oxidative stress and neurodegeneration: a focus on iron, manganese and mercury. <i>Neurochemistry International</i> , 2013 , 62, 575-94	4.4	347
97	"Manganese-induced neurotoxicity: a review of its behavioral consequences and neuroprotective strategies". <i>BMC Pharmacology & Toxicology</i> , 2016 , 17, 57	2.6	174
96	Extracellular dopamine potentiates mn-induced oxidative stress, lifespan reduction, and dopaminergic neurodegeneration in a BLI-3-dependent manner in <i>Caenorhabditis elegans</i> . <i>PLoS Genetics</i> , 2010 , 6, e1001084	6	141
95	Manganese in health and disease. <i>Metal Ions in Life Sciences</i> , 2013 , 13, 199-227	2.6	117
94	Swimming training prevents pentylenetetrazol-induced inhibition of Na ⁺ , K ⁺ -ATPase activity, seizures, and oxidative stress. <i>Epilepsia</i> , 2009 , 50, 811-23	6.4	61
93	A possible neuroprotective action of a vinylic telluride against Mn-induced neurotoxicity. <i>Toxicological Sciences</i> , 2010 , 115, 194-201	4.4	57
92	Neem oil based nanopesticide as an environmentally-friendly formulation for applications in sustainable agriculture: An ecotoxicological perspective. <i>Science of the Total Environment</i> , 2019 , 677, 57-67	10.2	55
91	Organotellurium and organoselenium compounds attenuate Mn-induced toxicity in <i>Caenorhabditis elegans</i> by preventing oxidative stress. <i>Free Radical Biology and Medicine</i> , 2012 , 52, 1903-10	7.8	53
90	The <i>Caenorhabditis elegans</i> model as a reliable tool in neurotoxicology. <i>Human and Experimental Toxicology</i> , 2012 , 31, 236-43	3.4	53
89	Protective effect of <i>Melissa officinalis</i> aqueous extract against Mn-induced oxidative stress in chronically exposed mice. <i>Brain Research Bulletin</i> , 2012 , 87, 74-9	3.9	51
88	Baker yeast-induced fever in young rats: characterization and validation of an animal model for antipyretics screening. <i>Journal of Neuroscience Methods</i> , 2005 , 147, 29-35	3	50
87	Antiulcerogenic activity of <i>Scutia buxifolia</i> on gastric ulcers induced by ethanol in rats. <i>Acta Pharmaceutica Sinica B</i> , 2014 , 4, 358-67	15.5	47
86	Safety assessment of nanopesticides using the roundworm <i>Caenorhabditis elegans</i> . <i>Ecotoxicology and Environmental Safety</i> , 2017 , 139, 245-253	7	46
85	Additive anticonvulsant effects of creatine supplementation and physical exercise against pentylenetetrazol-induced seizures. <i>Neurochemistry International</i> , 2009 , 55, 333-40	4.4	46
84	<i>Valeriana officinalis</i> does not alter the orofacial dyskinesia induced by haloperidol in rats: role of dopamine transporter. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2007 , 31, 1478-86	5.5	45
83	Utility of <i>Caenorhabditis elegans</i> in high throughput neurotoxicological research. <i>Neurotoxicology and Teratology</i> , 2010 , 32, 62-7	3.9	41
82	alpha-Tocopherol protects against pentylenetetrazol- and methylmalonate-induced convulsions. <i>Epilepsy Research</i> , 2005 , 66, 185-94	3	41

81	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. <i>Neurochemical Research</i> , 2008 , 33, 167-78	4.6	39
80	Caenorhabditis elegans as an alternative in vivo model to determine oral uptake, nanotoxicity, and efficacy of melatonin-loaded lipid-core nanocapsules on paraquat damage. <i>International Journal of Nanomedicine</i> , 2015 , 10, 5093-106	7.3	38
79	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. <i>Food Chemistry</i> , 2016 , 209, 185-95	8.5	37
78	An organotellurium compound with antioxidant activity against excitotoxic agents without neurotoxic effects in brain of rats. <i>Brain Research Bulletin</i> , 2008 , 76, 114-23	3.9	36
77	Purple pitanga fruit (Eugenia uniflora L.) protects against oxidative stress and increase the lifespan in Caenorhabditis elegans via the DAF-16/FOXO pathway. <i>Food and Chemical Toxicology</i> , 2018 , 120, 639-650	4.7	35
76	Insights into the differential toxicological and antioxidant effects of 4-phenylchalcogenil-7-chloroquinolines in Caenorhabditis elegans. <i>Free Radical Biology and Medicine</i> , 2017 , 110, 133-141	7.8	32
75	Chlorpyrifos-, diisopropylphosphorofluoridate-, and parathion-induced behavioral and oxidative stress effects: are they mediated by analogous mechanisms of action?. <i>Toxicological Sciences</i> , 2013 , 131, 206-16	4.4	32
74	The antioxidant properties of different phthalocyanines. <i>Toxicology in Vitro</i> , 2012 , 26, 125-32	3.6	32
73	Diethyl 2-phenyl-2 tellurophenyl vinylphosphonate: an organotellurium compound with low toxicity. <i>Toxicology</i> , 2006 , 224, 100-7	4.4	32
72	Insights from Caenorhabditis elegans on the role of metals in neurodegenerative diseases. <i>Metallomics</i> , 2011 , 3, 271-9	4.5	29
71	Co-nanoencapsulation of antimalarial drugs increases their in vitro efficacy against Plasmodium falciparum and decreases their toxicity to Caenorhabditis elegans. <i>European Journal of Pharmaceutical Sciences</i> , 2018 , 118, 1-12	5.1	28
70	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. <i>Journal of Ethnopharmacology</i> , 2013 , 148, 81-7	5	28
69	Butane-2,3-dionethiosemicarbazone: an oxime with antioxidant properties. <i>Chemico-Biological Interactions</i> , 2009 , 177, 153-60	5	27
68	Stressed-induced TMEM135 protein is part of a conserved genetic network involved in fat storage and longevity regulation in Caenorhabditis elegans. <i>PLoS ONE</i> , 2010 , 5, e14228	3.7	26
67	Direct synthesis of 4-organylsulfenyl-7-chloro quinolines and their toxicological and pharmacological activities in Caenorhabditis elegans. <i>European Journal of Medicinal Chemistry</i> , 2014 , 75, 448-59	6.8	25
66	Ilex paraguariensis Extract Increases Lifespan and Protects Against the Toxic Effects Caused by Paraquat in Caenorhabditis elegans. <i>International Journal of Environmental Research and Public Health</i> , 2014 , 11, 10091-104	4.6	24
65	Seleno- and telluro-xylofuranosides attenuate Mn-induced toxicity in C. elegans via the DAF-16/FOXO pathway. <i>Food and Chemical Toxicology</i> , 2014 , 64, 192-9	4.7	24
64	Anti-aging effects of deuterium depletion on Mn-induced toxicity in a C. elegans model. <i>Toxicology Letters</i> , 2012 , 211, 319-24	4.4	22

63	High-fat diet and hydrochlorothiazide increase oxidative stress in brain of rats. <i>Cell Biochemistry and Function</i> , 2009 , 27, 473-8	4.2	21
62	Diacerein decreases TNF-alpha and IL-1beta levels in peritoneal fluid and prevents Baker's yeast-induced fever in young rats. <i>Inflammation Research</i> , 2010 , 59, 189-96	7.2	21
61	Protective effects of novel organic selenium compounds against oxidative stress in the nematode. <i>Toxicology Reports</i> , 2015 , 2, 961-967	4.8	20
60	Euphorbia tirucalli aqueous extract induces cytotoxicity, genotoxicity and changes in antioxidant gene expression in human leukocytes. <i>Toxicology Research</i> , 2015 , 4, 739-748	2.6	20
59	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. <i>NeuroToxicology</i> , 2008 , 29, 1062-8	4.4	20
58	Involvement of heat shock proteins on Mn-induced toxicity in <i>Caenorhabditis elegans</i> . <i>BMC Pharmacology & Toxicology</i> , 2016 , 17, 54	2.6	20
57	Optimization of Curcuma Oil/Quinine-Loaded Nanocapsules for Malaria Treatment. <i>AAPS PharmSciTech</i> , 2018 , 19, 551-564	3.9	19
56	A biochemical and toxicological study with diethyl 2-phenyl-2-tellurophenyl vinylphosphonate in a sub-chronic intraperitoneal treatment in mice. <i>Life Sciences</i> , 2007 , 80, 1865-72	6.8	19
55	Environmental exposure, obesity, and Parkinson's disease: lessons from fat and old worms. <i>Environmental Health Perspectives</i> , 2011 , 119, 20-8	8.4	18
54	Diphenyl diselenide supplementation reduces biochemical alterations associated with oxidative stress in rats fed with fructose and hydrochlorothiazide. <i>Chemico-Biological Interactions</i> , 2013 , 204, 191-5	4.6	17
53	Evaluation of toxic metals and essential elements in children with learning disabilities from a rural area of southern Brazil. <i>International Journal of Environmental Research and Public Health</i> , 2014 , 11, 10806-23	4.6	17
52	Hepatoprotective activity of a vinylic telluride against acute exposure to acetaminophen. <i>European Journal of Pharmacology</i> , 2011 , 661, 92-101	5.3	17
51	Behavioral and dopaminergic damage induced by acute iron toxicity in <i>Caenorhabditis elegans</i> . <i>Toxicology Research</i> , 2015 , 4, 878-884	2.6	16
50	Gene-environment interactions: neurodegeneration in non-mammals and mammals. <i>NeuroToxicology</i> , 2010 , 31, 582-8	4.4	16
49	The impact of manganese on neurotransmitter systems. <i>Journal of Trace Elements in Medicine and Biology</i> , 2020 , 61, 126554	4.1	16
48	Reversible reprotoxic effects of manganese through DAF-16 transcription factor activation and vitellogenin downregulation in <i>Caenorhabditis elegans</i> . <i>Life Sciences</i> , 2016 , 151, 218-223	6.8	15
47	Clozapine-Loaded Polysorbate-Coated Polymeric Nanocapsules: Physico-Chemical Characterization and Toxicity Evaluation in <i>Caenorhabditis elegans</i> Model. <i>Journal of Nanoscience and Nanotechnology</i> , 2016 , 16, 1257-64	1.3	15
46	Reprotoxicity of glyphosate-based formulation in <i>Caenorhabditis elegans</i> is not due to the active ingredient only. <i>Environmental Pollution</i> , 2019 , 252, 1854-1862	9.3	14

45	Thimerosal inhibits <i>Drosophila melanogaster</i> tyrosine hydroxylase (DmTyrH) leading to changes in dopamine levels and impaired motor behavior: implications for neurotoxicity. <i>Metallomics</i> , 2019 , 11, 362-374	4.5	14
44	Metabolic effects of manganese in the nematode <i>Caenorhabditis elegans</i> through DAergic pathway and transcription factors activation. <i>NeuroToxicology</i> , 2018 , 67, 65-72	4.4	13
43	Genome-Wide Analyses of Metal Responsive Genes in <i>Caenorhabditis elegans</i> . <i>Frontiers in Genetics</i> , 2012 , 3, 52	4.5	13
42	Potentially adverse interactions between haloperidol and valerian. <i>Food and Chemical Toxicology</i> , 2008 , 46, 2369-75	4.7	13
41	Comparison of the Toxic Effects of Quinolinic Acid and 3-Nitropropionic Acid in <i>C. elegans</i> : Involvement of the SKN-1 Pathway. <i>Neurotoxicity Research</i> , 2018 , 33, 259-267	4.3	12
40	Are delta-aminolevulinatase dehydratase inhibition and metal concentrations additional factors for the age-related cognitive decline?. <i>International Journal of Environmental Research and Public Health</i> , 2014 , 11, 10851-67	4.6	12
39	Neurodegeneration Induced by Metals in <i>Caenorhabditis elegans</i> . <i>Advances in Neurobiology</i> , 2017 , 18, 355-383	2.1	11
38	Resveratrol attenuates iron-induced toxicity in a chronic post-treatment paradigm in <i>Caenorhabditis elegans</i> . <i>Free Radical Research</i> , 2018 , 52, 939-951	4	10
37	<i>Ilex paraguariensis</i> 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. <i>Journal of the Science of Food and Agriculture</i> , 2017 , 97, 2007-2014	4.3	10
36	Airborne toluene exposure causes germline apoptosis and neuronal damage that promotes neurobehavioural changes in <i>Caenorhabditis elegans</i> . <i>Environmental Pollution</i> , 2020 , 256, 113406	9.3	10
35	L. (chia) seeds oil extracts reduce lipid accumulation and produce stress resistance in. <i>Nutrition and Metabolism</i> , 2018 , 15, 83	4.6	10
34	Low concentrations of methamidophos do not alter AChE activity but modulate neurotransmitters uptake in hippocampus and striatum in vitro. <i>Life Sciences</i> , 2011 , 88, 89-95	6.8	9
33	Effect of N-1 arylation of monastrol on kinesin Eg5 inhibition in glioma cell lines. <i>MedChemComm</i> , 2018 , 9, 995-1010	5	8
32	Organoselenotriazoles attenuate oxidative damage induced by mitochondrial dysfunction in mev-1 <i>Caenorhabditis elegans</i> mutants. <i>Journal of Trace Elements in Medicine and Biology</i> , 2019 , 53, 34-40	4.1	7
31	Cooperation of non-effective concentration of glutamatergic system modulators and antioxidant against oxidative stress induced by quinolinic acid. <i>Neurochemical Research</i> , 2012 , 37, 1993-2003	4.6	7
30	Hydrochlorothiazide and high-fat diets reduce plasma magnesium levels and increase hepatic oxidative stress in rats. <i>Magnesium Research</i> , 2013 , 26, 32-40	1.7	7
29	Synthesis of enantiomerically pure glycerol derivatives containing an organochalcogen unit: In vitro and in vivo antioxidant activity. <i>Arabian Journal of Chemistry</i> , 2020 , 13, 883-899	5.9	7
28	Mitochondrial Effects of Organoselenium and Organotellurium Compounds. <i>Current Organic Chemistry</i> , 2015 , 20, 198-210	1.7	6

27	Baru Pulp (Vogel): Fruit from the Brazilian Savanna Protects against Oxidative Stress and Increases the Life Expectancy of via SOD-3 and DAF-16. <i>Biomolecules</i> , 2020 , 10,	5.9	6
26	Antioxidant and lipid lowering effects of dried fruits oil extract of Pterodon emarginatus in Caenorhabditis elegans. <i>Arabian Journal of Chemistry</i> , 2019 , 12, 4131-4141	5.9	6
25	Nanomaterials in the Environment: Perspectives on in Vivo Terrestrial Toxicity Testing. <i>Frontiers in Environmental Science</i> , 2017 , 5,	4.8	5
24	Buti Fruit extract (Butia eriospatha) protects against oxidative damage and increases lifespan on Caenorhabditis elegans. <i>Journal of Food Biochemistry</i> , 2020 , 44, e13139	3.3	5
23	Nanotoxicology assessment in complementary/alternative models. <i>Energy, Ecology and Environment</i> , 2018 , 3, 72-80	3.5	4
22	Lipid reducing potential of liposomes loaded with ethanolic extract of purple (administered to. <i>Journal of Liposome Research</i> , 2019 , 29, 274-282	6.1	4
21	Neurotoxicity induced by toluene: In silico and in vivo evidences of mitochondrial dysfunction and dopaminergic neurodegeneration.. <i>Environmental Pollution</i> , 2022 , 298, 118856	9.3	3
20	Activation of SOD-3 is involved in the antioxidant effect of a new class of Aryl-chalcogenium azide compounds in Caenorhabditis elegans. <i>Anais Da Academia Brasileira De Ciencias</i> , 2020 , 92, e20181147	1.4	3
19	Antioxidant Activity of some Medicinal Plant Extracts: Implications for Neuroprotection. <i>Pharmacologia</i> , 2015 , 6, 282-292		3
18	Clove oil-loaded zein nanoparticles as potential bioinsecticide agent with low toxicity. <i>Sustainable Chemistry and Pharmacy</i> , 2021 , 24, 100554	3.9	3
17	Pre-clinical evidence of safety and protective effect of isatin and oxime derivatives against malathion-induced toxicity. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2020 , 126, 399-410	3.1	3
16	Piperazine designer drugs elicit toxicity in the alternative in vivo model Caenorhabditis elegans. <i>Journal of Applied Toxicology</i> , 2020 , 40, 363-372	4.1	3
15	Gut Microbiota as a Potential Player in Mn-Induced Neurotoxicity. <i>Biomolecules</i> , 2021 , 11,	5.9	3
14	Antidepressant-like effect of (3Z)-5-Chloro-3-(hydroxyimino)indolin-2-one in rats exposed to malathion: Involvement of BDNF-Trk pathway and AChE. <i>Life Sciences</i> , 2020 , 256, 117892	6.8	2
13	Dihydropyrimidinone-derived selenoesters efficacy and safety in an in vivo model of A β aggregation. <i>NeuroToxicology</i> , 2021 , 88, 14-24	4.4	2
12	Co-nanoencapsulated meloxicam and curcumin improves cognitive impairment induced by amyloid-beta through modulation of cyclooxygenase-2 in mice. <i>Neural Regeneration Research</i> , 2021 , 16, 783-789	4.5	2
11	Manganese Neurotoxicity 2014 , 843-864		1
10	Caenorhabditis elegans as a model to assess reproductive and developmental toxicity 2011 , 193-205		1

9	Pitanga (<i>Eugenia uniflora</i> L.) as a source of bioactive compounds for health benefits: A review. <i>Arabian Journal of Chemistry</i> , 2022 , 15, 103691	5.9	1
8	Risk Assessment of Nanofertilizers and Nanopesticides 2020 , 299-316		1
7	Aqueous Bark Extract of (<i>A. St.-Hill</i>) Ravenna Protects against Glucose Toxicity in. <i>Oxidative Medicine and Cellular Longevity</i> , 2020 , 2020, 1321354	6.7	1
6	Caffeic acid and caffeine attenuate toxicity associated with malonic or methylmalonic acid exposure in <i>Drosophila melanogaster</i> . <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2021 , 394, 227-240	3.4	1
5	Ecotoxicological assessment of Uruguay River and affluents pre- and post-pesticides application using <i>Caenorhabditis elegans</i> for biomonitoring. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 21730-21741	5.1	0
4	Cellular Responses in <i>Drosophila melanogaster</i> Following Teratogen Exposure. <i>Methods in Molecular Biology</i> , 2018 , 1797, 243-276	1.4	
3	Chapter 8: Manganese and Oxidative Stress. <i>Issues in Toxicology</i> , 2014 , 199-220	0.3	
2	Manganese Neurotoxicity 2021 , 1-26		
1	Review of current neurotoxicology biomarkers 2021 , 215-231		