

# Jeferson L Franco

## List of Publications by Citations

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96  
papers

2,530  
citations

27  
h-index

46  
g-index

97  
ext. papers

2,821  
ext. citations

4.4  
avg, IF

4.27  
L-index

#	Paper	IF	Citations
96	Connecting TNF-alpha signaling pathways to iNOS expression in a mouse model of Alzheimer's disease: relevance for the behavioral and synaptic deficits induced by amyloid beta protein. <i>Journal of Neuroscience</i> , <b>2007</b> , 27, 5394-404	6.6	238
95	Methylmercury neurotoxicity is associated with inhibition of the antioxidant enzyme glutathione peroxidase. <i>Free Radical Biology and Medicine</i> , <b>2009</b> , 47, 449-57	7.8	179
94	Prenatal methylmercury exposure hampers glutathione antioxidant system ontogenesis and causes long-lasting oxidative stress in the mouse brain. <i>Toxicology and Applied Pharmacology</i> , <b>2008</b> , 227, 147-54	4.6	168
93	Mercurial-induced hydrogen peroxide generation in mouse brain mitochondria: protective effects of quercetin. <i>Chemical Research in Toxicology</i> , <b>2007</b> , 20, 1919-26	4	102
92	Cerebellar thiol status and motor deficit after lactational exposure to methylmercury. <i>Environmental Research</i> , <b>2006</b> , 102, 22-8	7.9	84
91	Antioxidant status and stress proteins in the gills of the brown mussel <i>Perna perna</i> exposed to zinc. <i>Chemico-Biological Interactions</i> , <b>2006</b> , 160, 232-40	5	80
90	Differential susceptibility following beta-amyloid peptide-(1-40) administration in C57BL/6 and Swiss albino mice: Evidence for a dissociation between cognitive deficits and the glutathione system response. <i>Behavioural Brain Research</i> , <b>2007</b> , 177, 205-13	3.4	75
89	Protective effects of <i>Polygala paniculata</i> extract against methylmercury-induced neurotoxicity in mice. <i>Journal of Pharmacy and Pharmacology</i> , <b>2005</b> , 57, 1503-8	4.8	72
88	Zinc attenuates malathion-induced depressant-like behavior and confers neuroprotection in the rat brain. <i>Toxicological Sciences</i> , <b>2007</b> , 97, 140-8	4.4	63
87	Effects of 2,3-dimercapto-1-propanesulfonic acid (DMPS) on methylmercury-induced locomotor deficits and cerebellar toxicity in mice. <i>Toxicology</i> , <b>2007</b> , 239, 195-203	4.4	58
86	Structure-activity relationship of flavonoids derived from medicinal plants in preventing methylmercury-induced mitochondrial dysfunction. <i>Environmental Toxicology and Pharmacology</i> , <b>2010</b> , 30, 272-278	5.8	53
85	Effects of Hg(II) exposure on MAPK phosphorylation and antioxidant system in <i>D. melanogaster</i> . <i>Environmental Toxicology</i> , <b>2014</b> , 29, 621-30	4.2	52
84	Complex methylmercury-cysteine alters mercury accumulation in different tissues of mice. <i>Basic and Clinical Pharmacology and Toxicology</i> , <b>2010</b> , 107, 789-92	3.1	47
83	Involvement of glutathione, ERK1/2 phosphorylation and BDNF expression in the antidepressant-like effect of zinc in rats. <i>Behavioural Brain Research</i> , <b>2008</b> , 188, 316-23	3.4	45
82	Antioxidant effect of diphenyl diselenide against sodium nitroprusside (SNP) induced lipid peroxidation in human platelets and erythrocyte membranes: an in vitro evaluation. <i>Chemico-Biological Interactions</i> , <b>2006</b> , 164, 126-35	5	40
81	Evidences for a role of glutathione peroxidase 4 (GPx4) in methylmercury induced neurotoxicity in vivo. <i>Toxicology</i> , <b>2012</b> , 302, 60-7	4.4	39
80	Zinc reverses malathion-induced impairment in antioxidant defenses. <i>Toxicology Letters</i> , <b>2009</b> , 187, 137-43	4.3	39

79	Folic acid administration prevents ouabain-induced hyperlocomotion and alterations in oxidative stress markers in the rat brain. <i>Bipolar Disorders</i> , <b>2010</b> , 12, 414-24	3.8	38
78	Cipura paludosa extract prevents methyl mercury-induced neurotoxicity in mice. <i>Basic and Clinical Pharmacology and Toxicology</i> , <b>2007</b> , 101, 127-31	3.1	38
77	Diphenyl diselenide confers neuroprotection against hydrogen peroxide toxicity in hippocampal slices. <i>Brain Research</i> , <b>2008</b> , 1199, 138-47	3.7	37
76	Manganese induces sustained Ser40 phosphorylation and activation of tyrosine hydroxylase in PC12 cells. <i>Journal of Neurochemistry</i> , <b>2009</b> , 110, 848-56	6	35
75	Distribution, adaptation and physiological meaning of thiols from vertebrate hemoglobins. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , <b>2007</b> , 146, 22-53	3.2	33
74	Lactational exposure to inorganic mercury: evidence of neurotoxic effects. <i>Neurotoxicology and Teratology</i> , <b>2007</b> , 29, 360-7	3.9	32
73	Eugenia uniflora leaves essential oil induces toxicity in Drosophila melanogaster: involvement of oxidative stress mechanisms. <i>Toxicology Research</i> , <b>2015</b> , 4, 634-644	2.6	31
72	Cytoprotective effect against mercury chloride and bioinsecticidal activity of Eugenia jambolana Lam.. <i>Arabian Journal of Chemistry</i> , <b>2014</b> , 7, 165-170	5.9	30
71	Antioxidant and acetylcholinesterase response to repeated malathion exposure in rat cerebral cortex and hippocampus. <i>Basic and Clinical Pharmacology and Toxicology</i> , <b>2008</b> , 102, 365-9	3.1	29
70	Diphenyl diselenide induces apoptotic cell death and modulates ERK1/2 phosphorylation in human neuroblastoma SH-SY5Y cells. <i>Archives of Toxicology</i> , <b>2011</b> , 85, 645-51	5.8	27
69	Relationship between honeybee nutrition and their microbial communities. <i>Antonie Van Leeuwenhoek</i> , <b>2015</b> , 107, 921-33	2.1	26
68	High-Fat Diet Induces Oxidative Stress and MPK2 and HSP83 Gene Expression in Drosophila melanogaster. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2016</b> , 2016, 4018157	6.7	26
67	The Impact of Previous Physical Training on Redox Signaling after Traumatic Brain Injury in Rats: A Behavioral and Neurochemical Approach. <i>Journal of Neurotrauma</i> , <b>2016</b> , 33, 1317-30	5.4	25
66	Is the lobster cockroach Nauphoeta cinerea a valuable model for evaluating mercury induced oxidative stress?. <i>Chemosphere</i> , <b>2013</b> , 92, 1177-82	8.4	24
65	Effects of Bauhinia forficata Tea on Oxidative Stress and Liver Damage in Diabetic Mice. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2016</b> , 2016, 8902954	6.7	24
64	Temporal effects of newly developed oximes (K027, K048) on malathion-induced acetylcholinesterase inhibition and lipid peroxidation in mouse prefrontal cortex. <i>NeuroToxicology</i> , <b>2008</b> , 29, 184-9	4.4	23
63	Evaluation of glutathione metabolism in NMDA preconditioning against quinolinic acid-induced seizures in mice cerebral cortex and hippocampus. <i>Brain Research</i> , <b>2007</b> , 1184, 38-45	3.7	23
62	Cytotoxic and antioxidative potentials of ethanolic extract of Eugenia uniflora L. (Myrtaceae) leaves on human blood cells. <i>Biomedicine and Pharmacotherapy</i> , <b>2016</b> , 84, 614-621	7.5	23

61	Antioxidant responses and lipid peroxidation following intranasal 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP) administration in rats: increased susceptibility of olfactory bulb. <i>Life Sciences</i> , <b>2007</b> , 80, 1906-14	6.8	21
60	Short-term sleep deprivation with exposure to nocturnal light alters mitochondrial bioenergetics in <i>Drosophila</i> . <i>Free Radical Biology and Medicine</i> , <b>2018</b> , 120, 395-406	7.8	20
59	Regulation of Mitochondrial Function and Glutamatergic System Are the Target of Guanosine Effect in Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , <b>2017</b> , 34, 1318-1328	5.4	17
58	Mancozeb exposure results in manganese accumulation and Nrf2-related antioxidant responses in the brain of common carp <i>Cyprinus carpio</i> . <i>Environmental Science and Pollution Research</i> , <b>2018</b> , 25, 15529-15540	5.1	17
57	Modulation of dopaminergic neurotransmission induced by sublethal doses of the organophosphate trichlorfon in cockroaches. <i>Ecotoxicology and Environmental Safety</i> , <b>2014</b> , 109, 56-62	7	17
56	Fumigant activity of the <i>Psidium guajava</i> var. <i>pomifera</i> (Myrtaceae) essential oil in <i>Drosophila melanogaster</i> by means of oxidative stress. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2014</b> , 2014, 696785	6.7	17
55	(45)Ca(2+) influx in rat brain: effect of diorganylchalcogenides compounds. <i>Toxicological Sciences</i> , <b>2007</b> , 99, 566-71	4.4	17
54	leaf essential oil promotes mitochondrial dysfunction in through the inhibition of oxidative phosphorylation. <i>Toxicology Research</i> , <b>2017</b> , 6, 526-534	2.6	16
53	Expression of tyrosine hydroxylase increases the resistance of human neuroblastoma cells to oxidative insults. <i>Toxicological Sciences</i> , <b>2010</b> , 113, 150-7	4.4	16
52	Biochemical alterations in juvenile carp ( <i>Cyprinus carpio</i> ) exposed to zinc: glutathione reductase as a target. <i>Marine Environmental Research</i> , <b>2008</b> , 66, 88-9	3.3	16
51	Exposure of to Mancozeb Induces Oxidative Damage and Modulates Nrf2 and HSP70/83. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2018</b> , 2018, 5456928	6.7	15
50	Oxidative stress markers in fish ( <i>Astyanax</i> sp. and <i>Danio rerio</i> ) exposed to urban and agricultural effluents in the Brazilian Pampa biome. <i>Environmental Science and Pollution Research</i> , <b>2015</b> , 22, 15526-35	5.1	15
49	Diphenyl ditelluride targets brain selenoproteins in vivo: inhibition of cerebral thioredoxin reductase and glutathione peroxidase in mice after acute exposure. <i>Molecular and Cellular Biochemistry</i> , <b>2012</b> , 370, 173-82	4.2	15
48	Protective effects of organoselenium compounds against methylmercury-induced oxidative stress in mouse brain mitochondrial-enriched fractions. <i>Brazilian Journal of Medical and Biological Research</i> , <b>2011</b> , 44, 1156-63	2.8	15
47	Caffeine and acetaminophen association: Effects on mitochondrial bioenergetics. <i>Life Sciences</i> , <b>2018</b> , 193, 234-241	6.8	13
46	A Study on the Quality and Identity of Brazilian Pampa Biome Honey: Evidences for Its Beneficial Effects against Oxidative Stress and Hyperglycemia. <i>International Journal of Food Science</i> , <b>2014</b> , 2014, 470214	3.4	13
45	Biochemical alterations in caged Nile tilapia <i>Oreochromis niloticus</i> . <i>Ecotoxicology and Environmental Safety</i> , <b>2010</b> , 73, 864-72	7	13
44	Human neuroblastoma cells transfected with tyrosine hydroxylase gain increased resistance to methylmercury-induced cell death. <i>Toxicology in Vitro</i> , <b>2010</b> , 24, 1498-503	3.6	13

43	Reproductive dysfunction after mercury exposure at low levels: evidence for a role of glutathione peroxidase (GPx) 1 and GPx4 in male rats. <i>Reproduction, Fertility and Development</i> , <b>2017</b> , 29, 1803-1812	1.8	12
42	Toxicity induced by <i>Prasiola crispa</i> to fruit fly <i>Drosophila melanogaster</i> and cockroach <i>Nauphoeta cinerea</i> : evidence for bioinsecticide action. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , <b>2014</b> , 77, 115-24	3.2	12
41	<i>Drosophila melanogaster</i> - an embryonic model for studying behavioral and biochemical effects of manganese exposure. <i>EXCLI Journal</i> , <b>2014</b> , 13, 1239-53	2.4	12
40	Cytoprotective effect of <i>Eugenia uniflora</i> L. against the waste contaminant mercury chloride. <i>Arabian Journal of Chemistry</i> , <b>2019</b> , 12, 4197-4203	5.9	12
39	<i>Senecio brasiliensis</i> impairs eclosion rate and induces apoptotic cell death in larvae of <i>Drosophila melanogaster</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , <b>2017</b> , 198, 45-57	3.2	11
38	Antioxidant and mercury chelating activity of <i>Psidium guajava</i> var. <i>pomifera</i> L. leaves hydroalcoholic extract. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , <b>2017</b> , 80, 1301-1313	3.2	11
37	N-acetylcysteine inhibits Mancozeb-induced impairments to the normal development of zebrafish embryos. <i>Neurotoxicology and Teratology</i> , <b>2018</b> , 68, 1-12	3.9	11
36	Neurochemical mechanisms underlying acute and chronic ethanol-mediated responses in zebrafish: The role of mitochondrial bioenergetics. <i>Neurochemistry International</i> , <b>2019</b> , 131, 104584	4.4	10
35	Gender effects of acute malathion or zinc exposure on the antioxidant response of rat hippocampus and cerebral cortex. <i>Basic and Clinical Pharmacology and Toxicology</i> , <b>2010</b> , 107, 965-70	3.1	10
34	Acute Exposure to Permethrin Modulates Behavioral Functions, Redox, and Bioenergetics Parameters and Induces DNA Damage and Cell Death in Larval Zebrafish. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2019</b> , 2019, 9149203	6.7	10
33	<i>Drosophila melanogaster</i> : A model to study obesity effects on genes expression and developmental changes on descendants. <i>Journal of Cellular Biochemistry</i> , <b>2018</b> , 119, 5551-5562	4.7	9
32	Treatment with pentylenetetrazole (PTZ) and 4-aminopyridine (4-AP) differently affects survival, locomotor activity, and biochemical markers in <i>Drosophila melanogaster</i> . <i>Molecular and Cellular Biochemistry</i> , <b>2018</b> , 442, 129-142	4.2	9
31	Data on the phosphorylation of p38MAPK and JNK induced by chlorpyrifos in <i>Drosophila melanogaster</i> . <i>Data in Brief</i> , <b>2016</b> , 9, 32-4	1.2	9
30	Ebselen protects Ca <sup>2+</sup> influx blockage but does not protect glutamate uptake inhibition caused by Hg <sup>2+</sup> . <i>Neurochemical Research</i> , <b>2004</b> , 29, 1801-6	4.6	9
29	Oxidant effects and toxicity of <i>Croton campestris</i> in <i>Drosophila melanogaster</i> . <i>Pharmaceutical Biology</i> , <b>2016</b> , 54, 3068-3077	3.8	8
28	Brazilian Pampa Biome Honey Protects Against Mortality, Locomotor Deficits and Oxidative Stress Induced by Hypoxia/Reperfusion in Adult <i>Drosophila melanogaster</i> . <i>Neurochemical Research</i> , <b>2016</b> , 41, 116-29	4.6	8
27	Redox modulation at the peripheral site alters nociceptive transmission in vivo. <i>Clinical and Experimental Pharmacology and Physiology</i> , <b>2009</b> , 36, 272-7	3	8
26	Phytochemical Composition, Antifungal and Antioxidant Activity of <i>Duguetia furfuracea</i> A. St.-Hill. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2016</b> , 2016, 7821051	6.7	8

25	Reversal of bioenergetics dysfunction by diphenyl diselenide is critical to protection against the acetaminophen-induced acute liver failure. <i>Life Sciences</i> , <b>2017</b> , 180, 42-50	6.8	7
24	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> , <b>2019</b> , 53, 34-40	4.1	7
23	HPLC-DAD phenolic profile, cytotoxic and anti-kinetoplastidae activity of <i>Melissa officinalis</i> . <i>Pharmaceutical Biology</i> , <b>2016</b> , 54, 1664-70	3.8	7
22	Evaluation of the biological effects of (S)-dimethyl 2-(3-(phenyltellanyl) propanamido) succinate, a new telluroamino acid derivative of aspartic acid. <i>Archives of Toxicology</i> , <b>2011</b> , 85, 43-9	5.8	7
21	Assessment of water pollution in the Brazilian Pampa biome by means of stress biomarkers in tadpoles of the leaf frog <i>Phyllomedusa iheringii</i> (Anura: Hylidae). <i>PeerJ</i> , <b>2015</b> , 3, e1016	3.1	7
20	Acute embryonic exposure of zebrafish to permethrin induces behavioral changes related to anxiety and aggressiveness in adulthood. <i>Journal of Psychiatric Research</i> , <b>2020</b> , 121, 91-100	5.2	7
19	Activation of p38MAPK and NRF2 signaling pathways in the toxicity induced by chlorpyrifos in <i>Drosophila melanogaster</i> : Protective effects of <i>Psidium guajava pomifera</i> L. (Myrtaceae) hydroalcoholic extract. <i>Arabian Journal of Chemistry</i> , <b>2019</b> , 12, 3490-3502	5.9	7
18	Guanosine protects against Ca-induced mitochondrial dysfunction in rats. <i>Biomedicine and Pharmacotherapy</i> , <b>2019</b> , 111, 1438-1446	7.5	6
17	Phytochemical Constituents and Toxicity of <i>Duguetia furfuracea</i> Hydroalcoholic Extract in <i>Drosophila melanogaster</i> . <i>Evidence-based Complementary and Alternative Medicine</i> , <b>2014</b> , 2014, 838101	2.3	6
16	Fungal compound 1-octen-3-ol induces mitochondrial morphological alterations and respiration dysfunctions in <i>Drosophila melanogaster</i> . <i>Ecotoxicology and Environmental Safety</i> , <b>2020</b> , 206, 111232	7	6
15	Toxicity against <i>Drosophila melanogaster</i> and antiedematogenic and antimicrobial activities of <i>Alternanthera brasiliana</i> (L.) Kuntze (Amaranthaceae). <i>Environmental Science and Pollution Research</i> , <b>2018</b> , 25, 10353-10361	5.1	5
14	Ethnobotany and antioxidant evaluation of commercialized medicinal plants from the Brazilian Pampa. <i>Acta Botanica Brasilica</i> , <b>2016</b> , 30, 47-59	1	5
13	N-Acetylcysteine does not protect behavioral and biochemical toxicological effect after acute exposure of diphenyl ditelluride. <i>Toxicology Mechanisms and Methods</i> , <b>2014</b> , 24, 529-35	3.6	4
12	Confinement during field studies may jeopardize antioxidant and physiological responses of Nile tilapia to contaminants. <i>Marine Environmental Research</i> , <b>2013</b> , 91, 97-103	3.3	4
11	Assessment of Water Pollution Signs in the Brazilian Pampa Biome Using Stress Biomarkers in Fish ( <i>Astyanax</i> sp.). <i>Journal of Ecosystems</i> , <b>2015</b> , 2015, 1-7		4
10	<i>Anacardium microcarpum</i> extract and fractions protect against paraquat-induced toxicity in <i>Drosophila melanogaster</i> . <i>EXCLI Journal</i> , <b>2017</b> , 16, 302-312	2.4	4
9	Honey protects against wings posture error and molecular changes related to mitochondrial pathways induced by hypoxia/reoxygenation in adult <i>Drosophila melanogaster</i> . <i>Chemico-Biological Interactions</i> , <b>2018</b> , 291, 245-252	5	4
8	A. St.-Hill Methanolic Fraction in a Chlorpyrifos-Induced Toxicity Model in : Protective Role of Gallic Acid. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2020</b> , 2020, 3960170	6.7	3

7	Sub-acute administration of (S)-dimethyl 2-(3-(phenyltellanyl) propanamido) succinate induces toxicity and oxidative stress in mice: unexpected effects of N-acetylcysteine. <i>SpringerPlus</i> , <b>2013</b> , 2, 182		3
6	Behavioral changes occur earlier than redox alterations in developing zebrafish exposed to Mancozeb. <i>Environmental Pollution</i> , <b>2021</b> , 268, 115783	9.3	2
5	Effects of caffeine on brain antioxidant status and mitochondrial respiration in acetaminophen-intoxicated mice. <i>Toxicology Research</i> , <b>2020</b> , 9, 726-734	2.6	1
4	Mancozeb impairs mitochondrial and bioenergetic activity in. <i>Heliyon</i> , <b>2021</b> , 7, e06007	3.6	1
3	Effect of fungal indoor air pollutant 1-octen-3-ol on levels of reactive oxygen species and nitric oxide as well as dehydrogenases activities in males.. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , <b>2022</b> , 1-13	3.2	0
2	Pre-imaginal exposure to mancozeb induces morphological and behavioral deficits and oxidative damage in .. <i>Drug and Chemical Toxicology</i> , <b>2022</b> , 1-13	2.3	0
1	P.2.b.007 Effects of chronic mild stress on depression-like behavior and antioxidant status in mice.. <i>European Neuropsychopharmacology</i> , <b>2007</b> , 17, S336-S336	1.2	