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List of Publications by Year
in descending order

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97 papers	3,097 citations	147566 31 h-index	182168 51 g-index
97 all docs	97 docs citations	97 times ranked	3945 citing authors

#	Article	IF	Citations
1	Connecting TNF-Â Signaling Pathways to iNOS Expression in a Mouse Model of Alzheimer's Disease: Relevance for the Behavioral and Synaptic Deficits Induced by Amyloid Â Protein. Journal of Neuroscience, 2007, 27, 5394-5404.	1.7	265
2	Methylmercury neurotoxicity is associated with inhibition of the antioxidant enzyme glutathione peroxidase. Free Radical Biology and Medicine, 2009, 47, 449-457.	1.3	214
3	Prenatal methylmercury exposure hampers glutathione antioxidant system ontogenesis and causes long-lasting oxidative stress in the mouse brain. Toxicology and Applied Pharmacology, 2008, 227, 147-154.	1.3	191
4	Mercurial-Induced Hydrogen Peroxide Generation in Mouse Brain Mitochondria: Protective Effects of Quercetin. Chemical Research in Toxicology, 2007, 20, 1919-1926.	1.7	117
5	Cerebellar thiol status and motor deficit after lactational exposure to methylmercury. Environmental Research, 2006, 102, 22-28.	3.7	91
6	Antioxidant status and stress proteins in the gills of the brown mussel Perna perna exposed to zinc. Chemico-Biological Interactions, 2006, 160, 232-240.	1.7	87
7	Protective effects of Polygala paniculata extract against methylmercury-induced neurotoxicity in miceâ€. Journal of Pharmacy and Pharmacology, 2010, 57, 1503-1508.	1.2	81
8	Differential susceptibility following Î²-amyloid peptide-(1â€“40) administration in C57BL/6 and Swiss albino mice: Evidence for a dissociation between cognitive deficits and the glutathione system response. Behavioural Brain Research, 2007, 177, 205-213.	1.2	79
9	Zinc Attenuates Malathion-Induced Depressant-like Behavior and Confers Neuroprotection in the Rat Brain. Toxicological Sciences, 2007, 97, 140-148.	1.4	73
10	Effects of Hg(II) Exposure on MAPK Phosphorylation and Antioxidant System inD. melanogaster. Environmental Toxicology, 2014, 29, 621-630.	2.1	64
11	Structureâ€“activity relationship of flavonoids derived from medicinal plants in preventing methylmercury-induced mitochondrial dysfunction. Environmental Toxicology and Pharmacology, 2010, 30, 272-278.	2.0	63
12	Effects of 2,3-dimercapto-1-propanesulfonic acid (DMPS) on methylmercury-induced locomotor deficits and cerebellar toxicity in mice. Toxicology, 2007, 239, 195-203.	2.0	61
13	Complex Methylmercuryâ€“Cysteine Alters Mercury Accumulation in Different Tissues of Mice. Basic and Clinical Pharmacology and Toxicology, 2010, 107, 789-792.	1.2	55
14	Involvement of glutathione, ERK1/2 phosphorylation and BDNF expression in the antidepressant-like effect of zinc in rats. Behavioural Brain Research, 2008, 188, 316-323.	1.2	50
15	Eugenia uniflora leaves essential oil induces toxicity in Drosophila melanogaster: involvement of oxidative stress mechanisms. Toxicology Research, 2015, 4, 634-644.	0.9	47
16	Evidences for a role of glutathione peroxidase 4 (GPx4) in methylmercury induced neurotoxicity in vivo. Toxicology, 2012, 302, 60-67.	2.0	45
17	Zinc reverses malathion-induced impairment in antioxidant defenses. Toxicology Letters, 2009, 187, 137-143.	0.4	44
18	Antioxidant effect of diphenyl diselenide against sodium nitroprusside (SNP) induced lipid peroxidation in human platelets and erythrocyte membranes: An in vitro evaluation. Chemico-Biological Interactions, 2006, 164, 126-135.	1.7	43

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19	Cipura paludosa Extract Prevents Methyl Mercury-Induced Neurotoxicity in Mice. Basic and Clinical Pharmacology and Toxicology, 2007, 101, 127-131.	1.2	41
20	Antioxidant and Acetylcholinesterase Response to Repeated Malathion Exposure in Rat Cerebral Cortex and Hippocampus. Basic and Clinical Pharmacology and Toxicology, 2008, 102, 365-369.	1.2	40
21	Folic acid administration prevents ouabainâ€induced hyperlocomotion and alterations in oxidative stress markers in the rat brain. Bipolar Disorders, 2010, 12, 414-424.	1.1	40
22	Distribution, adaptation and physiological meaning of thiols from vertebrate hemoglobins. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2007, 146, 22-53.	1.3	39
23	Short-term sleep deprivation with exposure to nocturnal light alters mitochondrial bioenergetics in Drosophila. Free Radical Biology and Medicine, 2018, 120, 395-406.	1.3	39
24	Lactational exposure to inorganic mercury: Evidence of neurotoxic effects. Neurotoxicology and Teratology, 2007, 29, 360-367.	1.2	38
25	Diphenyl diselenide confers neuroprotection against hydrogen peroxide toxicity in hippocampal slices. Brain Research, 2008, 1199, 138-147.	1.1	38
26	High-Fat Diet Induces Oxidative Stress and MPK2 and HSP83 Gene Expression inDrosophila melanogaster. Oxidative Medicine and Cellular Longevity, 2016, 2016, 1-12.	1.9	38
27	Cytotoxic and antioxidative potentials of ethanolic extract of Eugenia uniflora L. (Myrtaceae) leaves on human blood cells. Biomedicine and Pharmacotherapy, 2016, 84, 614-621.	2.5	38
28	Manganese induces sustained Ser40 phosphorylation and activation of tyrosine hydroxylase in PC12 cells. Journal of Neurochemistry, 2009, 110, 848-856.	2.1	36
29	Relationship between honeybee nutrition and their microbial communities. Antonie Van Leeuwenhoek, 2015, 107, 921-933.	0.7	36
30	Effects ofBauhinia forficataTea on Oxidative Stress and Liver Damage in Diabetic Mice. Oxidative Medicine and Cellular Longevity, 2016, 2016, 1-9.	1.9	34
31	Cytoprotective effect against mercury chloride and bioinsecticidal activity of Eugenia jambolana Lam.. Arabian Journal of Chemistry, 2014, 7, 165-170.	2.3	33
32	Is the lobster cockroach Nauphoeta cinerea a valuable model for evaluating mercury induced oxidative stress?. Chemosphere, 2013, 92, 1177-1182.	4.2	32
33	Diphenyl diselenide induces apoptotic cell death and modulates ERK1/2 phosphorylation in human neuroblastoma SH-SY5Y cells. Archives of Toxicology, 2011, 85, 645-651.	1.9	31
34	The Impact of Previous Physical Training on Redox Signaling after Traumatic Brain Injury in Rats: A Behavioral and Neurochemical Approach. Journal of Neurotrauma, 2016, 33, 1317-1330.	1.7	31
35	Eugenia uniflora leaf essential oil promotes mitochondrial dysfunction in Drosophila melanogaster through the inhibition of oxidative phosphorylation. Toxicology Research, 2017, 6, 526-534.	0.9	28
36	Mancozeb exposure results in manganese accumulation and Nrf2-related antioxidant responses in the brain of common carp Cyprinus carpio. Environmental Science and Pollution Research, 2018, 25, 15529-15540.	2.7	27

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37	Evaluation of glutathione metabolism in NMDA preconditioning against quinolinic acid-induced seizures in mice cerebral cortex and hippocampus. Brain Research, 2007, 1184, 38-45.	1.1	26
38	Fumigant Activity of thePsidium guajavaVar. Pomifera (Myrtaceae) Essential Oil inDrosophila melanogasterby Means of Oxidative Stress. Oxidative Medicine and Cellular Longevity, 2014, 2014, 1-8.	1.9	26
39	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. Life Sciences, 2007, 80, 1906-1914.	2.0	25
40	Temporal effects of newly developed oximes (K027, K048) on malathion-induced acetylcholinesterase inhibition and lipid peroxidation in mouse prefrontal cortex. NeuroToxicology, 2008, 29, 184-189.	1.4	25
41	N -acetylcysteine inhibits Mancozeb-induced impairments to the normal development of zebrafish embryos. Neurotoxicology and Teratology, 2018, 68, 1-12.	1.2	23
42	Exposure of Drosophila melanogaster to Mancozeb Induces Oxidative Damage and Modulates Nrf2 and HSP70/83. Oxidative Medicine and Cellular Longevity, 2018, 2018, 1-11.	1.9	23
43	Modulation of dopaminergic neurotransmission induced by sublethal Doses of the organophosphate trichlorfon in cockroaches. Ecotoxicology and Environmental Safety, 2014, 109, 56-62.	2.9	22
44	Expression of Tyrosine Hydroxylase Increases the Resistance of Human Neuroblastoma Cells to Oxidative Insults. Toxicological Sciences, 2010, 113, 150-157.	1.4	21
45	Oxidative stress markers in fish (Astyanax sp. and Danio rerio) exposed to urban and agricultural effluents in the Brazilian Pampa biome. Environmental Science and Pollution Research, 2015, 22, 15526-15535.	2.7	21
46	Caffeine and acetaminophen association: Effects on mitochondrial bioenergetics. Life Sciences, 2018, 193, 234-241.	2.0	21
47	Biochemical alterations in juvenile carp (Cyprinus carpio) exposed to zinc: Glutathione reductase as a target. Marine Environmental Research, 2008, 66, 88-89.	1.1	19
48	Diphenyl ditelluride targets brain selenoproteins in vivo: inhibition of cerebral thioredoxin reductase and glutathione peroxidase in mice after acute exposure. Molecular and Cellular Biochemistry, 2012, 370, 173-182.	1.4	18
49	Reproductive dysfunction after mercury exposure at low levels: evidence for a role of glutathione peroxidase (GPx) 1 and GPx4 in male rats. Reproduction, Fertility and Development, 2017, 29, 1803.	0.1	18
50	Regulation of Mitochondrial Function and Glutamatergic System Are the Target of Guanosine Effect in Traumatic Brain Injury. Journal of Neurotrauma, 2017, 34, 1318-1328.	1.7	18
51	45Ca2+ Influx in Rat Brain: Effect of Diorganylchalcogenides Compounds. Toxicological Sciences, 2007, 99, 566-571.	1.4	17
52	A Study on the Quality and Identity of Brazilian Pampa Biome Honey: Evidences for Its Beneficial Effects against Oxidative Stress and Hyperglycemia. International Journal of Food Science, 2014, 2014, 1-11.	0.9	16
53	Fungal compound 1-octen-3-ol induces mitochondrial morphological alterations and respiration dysfunctions in Drosophila melanogaster. Ecotoxicology and Environmental Safety, 2020, 206, 111232.	2.9	16
54	Human neuroblastoma cells transfected with tyrosine hydroxylase gain increased resistance to methylmercury-induced cell death. Toxicology in Vitro, 2010, 24, 1498-1503.	1.1	15

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55	Protective effects of organoselenium compounds against methylmercury-induced oxidative stress in mouse brain mitochondrial-enriched fractions. Brazilian Journal of Medical and Biological Research, 2011, 44, 1156-1163.	0.7	15
56	Toxicity Induced byPrasiola crispato Fruit FlyDrosophila melanogasterand CockroachNauphoeta cinerea: Evidence for Bioinsecticide Action. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2014, 77, 115-124.	1.1	15
57	Antioxidant and mercury chelating activity of Psidium guajava var. pomifera L. leaves hydroalcoholic extract. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2017, 80, 1301-1313.	1.1	15
58	Neurochemical mechanisms underlying acute and chronic ethanol-mediated responses in zebrafish: The role of mitochondrial bioenergetics. Neurochemistry International, 2019, 131, 104584.	1.9	15
59	Acute Exposure to Permethrin Modulates Behavioral Functions, Redox, and Bioenergetics Parameters and Induces DNA Damage and Cell Death in Larval Zebrafish. Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-19.	1.9	15
60	Cytoprotective effect of Eugenia uniflora L. against the waste contaminant mercury chloride. Arabian Journal of Chemistry, 2019, 12, 4197-4203.	2.3	15
61	Biochemical alterations in caged Nile tilapia Oreochromis niloticus. Ecotoxicology and Environmental Safety, 2010, 73, 864-872.	2.9	14
62	Ethnobotany and antioxidant evaluation of commercialized medicinal plants from the Brazilian Pampa. Acta Botanica Brasilica, 2016, 30, 47-59.	0.8	14
63	Gender Effects of Acute Malathion or Zinc Exposure on the Antioxidant Response of Rat Hippocampus and Cerebral Cortex. Basic and Clinical Pharmacology and Toxicology, 2010, 107, 965-970.	1.2	13
64	Phytochemical Constituents and Toxicity ofDuguetia furfuraceaHydroalcoholic Extract inDrosophila melanogaster. Evidence-based Complementary and Alternative Medicine, 2014, 2014, 1-11.	0.5	13
65	Phytochemical Composition, Antifungal and Antioxidant Activity ofDuguetia furfuraceaA. St.-Hill. Oxidative Medicine and Cellular Longevity, 2016, 2016, 1-9.	1.9	13
66	Treatment with pentylenetetrazole (PTZ) and 4-aminopyridine (4-AP) differently affects survival, locomotor activity, and biochemical markers in Drosophila melanogaster. Molecular and Cellular Biochemistry, 2018, 442, 129-142.	1.4	13
67	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.	1.5	13
68	Drosophila melanogaster - an embryonic model for studying behavioral and biochemical effects of manganese exposure. EXCLI Journal, 2014, 13, 1239-53.	0.5	13
69	HPLC-DAD phenolic profile, cytotoxic and anti-kinetoplastidae activity ofMelissa officinalis. Pharmaceutical Biology, 2016, 54, 1664-1670.	1.3	12
70	Senecio brasiliensis impairs eclosion rate and induces apoptotic cell death in larvae of Drosophila melanogaster. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2017, 198, 45-57.	1.3	12
71	Drosophila melanogaster: A model to study obesity effects on genes expression and developmental changes on descendants. Journal of Cellular Biochemistry, 2018, 119, 5551-5562.	1.2	12
72	Activation of p38MAPK and NRF2 signaling pathways in the toxicity induced by chlorpyrifos in Drosophila melanogaster: Protective effects of Psidium guajava pomÃfera L. (Myrtaceae) hydroalcoholic extract. Arabian Journal of Chemistry, 2019, 12, 3490-3502.	2.3	12

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73	Acute embryonic exposure of zebrafish to permethrin induces behavioral changes related to anxiety and aggressiveness in adulthood. Journal of Psychiatric Research, 2020, 121, 91-100.	1.5	12
74	Data on the phosphorylation of p38MAPK and JNK induced by chlorpyrifos in Drosophila melanogaster. Data in Brief, 2016, 9, 32-34.	0.5	11
75	Reversal of bioenergetics dysfunction by diphenyl diselenide is critical to protection against the acetaminophen-induced acute liver failure. Life Sciences, 2017, 180, 42-50.	2.0	11
76	Oxidant effects and toxicity of Croton campestris in Drosophila melanogaster. Pharmaceutical Biology, 2016, 54, 3068-3077.	1.3	10
77	Toxicity against Drosophila melanogaster and antiedematogenic and antimicrobial activities of Alternanthera brasiliana (L.) Kuntze (Amaranthaceae). Environmental Science and Pollution Research, 2018, 25, 10353-10361.	2.7	10
78	Guanosine protects against Ca2+-induced mitochondrial dysfunction in rats. Biomedicine and Pharmacotherapy, 2019, 111, 1438-1446.	2.5	10
79	Assessment of water pollution in the Brazilian Pampa biome by means of stress biomarkers in tadpoles of the leaf frogPhyllomedusa iheringii(Anura: Hylidae). PeerJ, 2015, 3, e1016.	0.9	10
80	Ebselen Protects Ca2+Influx Blockage But Does Not Protect Glutamate Uptake Inhibition Caused By Hg2+. Neurochemical Research, 2004, 29, 1801-1806.	1.6	9
81	REDOX MODULATION AT THE PERIPHERAL SITE ALTERS NOCICEPTIVE TRANSMISSION IN VIVO. Clinical and Experimental Pharmacology and Physiology, 2009, 36, 272-277.	0.9	9
82	Behavioral changes occur earlier than redox alterations in developing zebrafish exposed to Mancozeb. Environmental Pollution, 2021, 268, 115783.	3.7	9
83	Assessment of Water Pollution Signs in the Brazilian Pampa Biome Using Stress Biomarkers in Fish (Astyanax sp.). Journal of Ecosystems, 2015, 2015, 1-7.	0.7	8
84	Brazilian Pampa Biome Honey Protects Against Mortality, Locomotor Deficits and Oxidative Stress Induced by Hypoxia/Reperfusion in Adult Drosophila melanogaster. Neurochemical Research, 2016, 41, 116-129.	1.6	8
85	Effects of caffeine on brain antioxidant status and mitochondrial respiration in acetaminophen-intoxicated mice. Toxicology Research, 2020, 9, 726-734.	0.9	8
86	Evaluation of the biological effects of (S)-dimethyl 2-(3-(phenyltellanyl) propanamido) succinate, a new telluroamino acid derivative of aspartic acid. Archives of Toxicology, 2011, 85, 43-49.	1.9	7
87	Croton campestris A. St.-Hill Methanolic Fraction in a Chlorpyrifos-Induced Toxicity Model in Drosophila melanogaster: Protective Role of Gallic Acid. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-10.	1.9	7
88	Effect of fungal indoor air pollutant 1-octen-3-ol on levels of reactive oxygen species and nitric oxide as well as dehydrogenases activities indrosophila melanogastermales. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2022, 85, 573-585.	1.1	7
89	Honey protects against wings posture error and molecular changes related to mitochondrial pathways induced by hypoxia/reoxygenation in adult Drosophila melanogaster. Chemico-Biological Interactions, 2018, 291, 245-252.	1.7	5
90	Anacardium microcarpum extract and fractions protect against paraquat-induced toxicity in Drosophila melanogaster. EXCLI Journal, 2017, 16, 302-312.	0.5	5

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91	Sub-acute administration of (S)-dimethyl 2-(3-(phenyltellanyl) propanamido) succinate induces toxicity and oxidative stress in mice: unexpected effects of N-acetylcysteine. SpringerPlus, 2013, 2, 182.	1.2	4
92	Confinement during field studies may jeopardize antioxidant and physiological responses of Nile tilapia to contaminants. Marine Environmental Research, 2013, 91, 97-103.	1.1	4
93	N-acetylcysteine does not protect behavioral and biochemical toxicological effect after acute exposure of diphenyl ditelluride. Toxicology Mechanisms and Methods, 2014, 24, 529-535.	1.3	4
94	Mancozeb impairs mitochondrial and bioenergetic activity in Drosophila melanogaster. Heliyon, 2021, 7, e06007.	1.4	4
95	Pre-imaginal exposure to mancozeb induces morphological and behavioral deficits and oxidative damage in Drosophila melanogaster. Drug and Chemical Toxicology, 2023, 46, 575-587.	1.2	2
96	P.2.b.007 Effects of chronic mild stress on depression-like behavior and antioxidant status in mice.. European Neuropsychopharmacology, 2007, 17, S336-S336.	0.3	0
97	Determination of the effects of two feed supplements on Drosophila melanogaster. Neotropical Biology and Conservation, 2018, 13, .	0.4	0