

# Nilda V Barbosa

## List of Publications by Year in descending order

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267  
papers

11,892  
citations

30070

54  
h-index

37204

96  
g-index

272  
all docs

272  
docs citations

272  
times ranked

10217  
citing authors

#	ARTICLE	IF	CITATIONS
1	Organoselenium and Organotellurium Compounds: Toxicology and Pharmacology. <i>Chemical Reviews</i> , 2004, 104, 6255-6286.	47.7	1,637
2	Metals, oxidative stress and neurodegeneration: A focus on iron, manganese and mercury. <i>Neurochemistry International</i> , 2013, 62, 575-594.	3.8	439
3	Toxicology and pharmacology of selenium: emphasis on synthetic organoselenium compounds. <i>Archives of Toxicology</i> , 2011, 85, 1313-1359.	4.2	416
4	Mechanisms of methylmercury-induced neurotoxicity: Evidence from experimental studies. <i>Life Sciences</i> , 2011, 89, 555-563.	4.3	349
5	Krebs Cycle Intermediates Modulate Thiobarbituric Acid Reactive Species (TBARS) Production in Rat Brain In Vitro. <i>Neurochemical Research</i> , 2005, 30, 225-235.	3.3	287
6	Oxidative stress in MeHg-induced neurotoxicity. <i>Toxicology and Applied Pharmacology</i> , 2011, 256, 405-417.	2.8	270
7	Polyamines reduces lipid peroxidation induced by different pro-oxidant agents. <i>Brain Research</i> , 2004, 1008, 245-251.	2.2	231
8	Prenatal methylmercury exposure hampers glutathione antioxidant system ontogenesis and causes long-lasting oxidative stress in the mouse brain. <i>Toxicology and Applied Pharmacology</i> , 2008, 227, 147-154.	2.8	191
9	Antioxidant Effects of Different Extracts from <i>Melissa officinalis</i> , <i>Matricaria recutita</i> and <i>Cymbopogon citratus</i> . <i>Neurochemical Research</i> , 2009, 34, 973-983.	3.3	169
10	Effect of Organic Forms of Selenium on $\hat{\Gamma}$ -Aminolevulinatase Dehydratase from Liver, Kidney, and Brain of Adult Rats. <i>Toxicology and Applied Pharmacology</i> , 1998, 149, 243-253.	2.8	165
11	Methylmercury and brain development: A review of recent literature. <i>Journal of Trace Elements in Medicine and Biology</i> , 2016, 38, 99-107.	3.0	132
12	Toxicology and pharmacology of synthetic organoselenium compounds: an update. <i>Archives of Toxicology</i> , 2021, 95, 1179-1226.	4.2	125
13	Organoselenium compounds as mimics of selenoproteins and thiol modifier agents. <i>Metallomics</i> , 2017, 9, 1703-1734.	2.4	119
14	Diphenyl diselenide, a simple organoselenium compound, decreases methylmercury-induced cerebral, hepatic and renal oxidative stress and mercury deposition in adult mice. <i>Brain Research Bulletin</i> , 2009, 79, 77-84.	3.0	116
15	Diphenyl diselenide and diphenyl ditelluride affect the rat glutamatergic system in vitro and in vivo. <i>Brain Research</i> , 2001, 906, 157-163.	2.2	108
16	New Organochalcogen Multitarget Drug: Synthesis and Antioxidant and Antitumoral Activities of Chalcogenozidovudine Derivatives. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 3329-3339.	6.4	107
17	Toxicity of ethylmercury (and Thimerosal): a comparison with methylmercury. <i>Journal of Applied Toxicology</i> , 2013, 33, 700-711.	2.8	103
18	Aminolevulinatase dehydratase ( $\hat{\Gamma}$ -ALA-D) as marker protein of intoxication with metals and other pro-oxidant situations. <i>Toxicology Research</i> , 2012, 1, 85.	2.1	97

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19	Valeriana officinalis attenuates the rotenone-induced toxicity in <i>Drosophila melanogaster</i> . <i>NeuroToxicology</i> , 2013, 37, 118-126.	3.0	96
20	Research trends in food chemistry: A bibliometric review of its 40 <sup>th</sup> years anniversary (1976-2016). <i>Food Chemistry</i> , 2019, 294, 448-457.	8.2	95
21	Quercitrin, a glycoside form of quercetin, prevents lipid peroxidation in vitro. <i>Brain Research</i> , 2006, 1107, 192-198.	2.2	90
22	Diphenyl diselenide reduces temporarily hyperglycemia: Possible relationship with oxidative stress. <i>Chemico-Biological Interactions</i> , 2006, 163, 230-238.	4.0	88
23	Involvement of oxidative stress in 4-vinylcyclohexene-induced toxicity in <i>Drosophila melanogaster</i> . <i>Free Radical Biology and Medicine</i> , 2014, 71, 99-108.	2.9	84
24	A High Fat Diet Inhibits $\hat{\Gamma}$ -Aminolevulinatase Dehydratase and Increases Lipid Peroxidation in Mice ( <i>Mus</i> ) <i>Tj ETQq0 0 0,rgBT /Overlock 10 Tf</i>	2.9	79
25	Methylmercury-induced alterations in astrocyte functions are attenuated by ebselen. <i>NeuroToxicology</i> , 2011, 32, 291-299.	3.0	79
26	Ebselen protects against methylmercury-induced inhibition of glutamate uptake by cortical slices from adult mice. <i>Toxicology Letters</i> , 2003, 144, 351-357.	0.8	78
27	Methylmercury's chemistry: From the environment to the mammalian brain. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2019, 1863, 129284.	2.4	78
28	Acute liver damage induced by 2-nitropropane in rats: Effect of diphenyl diselenide on antioxidant defenses. <i>Chemico-Biological Interactions</i> , 2006, 160, 99-107.	4.0	77
29	Antioxidant properties of Krebs cycle intermediates against malonate pro-oxidant activity in vitro: A comparative study using the colorimetric method and HPLC analysis to determine malondialdehyde in rat brain homogenates. <i>Life Sciences</i> , 2007, 81, 51-62.	4.3	77
30	Association of Oxidative Stress to the Genesis of Anxiety: Implications for Possible Therapeutic Interventions. <i>Current Neuropharmacology</i> , 2014, 12, 120-139.	2.9	75
31	Protective effect of diphenyl diselenide on acute liver damage induced by 2-nitropropane in rats. <i>Toxicology</i> , 2005, 210, 1-8.	4.2	74
32	Coffee, caffeine, chlorogenic acid, and the purinergic system. <i>Food and Chemical Toxicology</i> , 2019, 123, 298-313.	3.6	74
33	Opioid consumption in total intravenous anesthesia is reduced with dexmedetomidine: a comparative study with remifentanil in gynecologic videolaparoscopic surgery. <i>Journal of Clinical Anesthesia</i> , 2007, 19, 280-285.	1.6	73
34	Diphenyl Diselenide Protects Against Mortality, Locomotor Deficits and Oxidative Stress in <i>Drosophila melanogaster</i> Model of Manganese-Induced Neurotoxicity. <i>Neurochemical Research</i> , 2016, 41, 1430-1438.	3.3	73
35	Reduction of Diphenyl Diselenide and Analogs by Mammalian Thioredoxin Reductase Is Independent of Their Gluthathione Peroxidase-Like Activity: A Possible Novel Pathway for Their Antioxidant Activity. <i>Molecules</i> , 2010, 15, 7699-7714.	3.8	72
36	Ebselen attenuates haloperidol-induced orofacial dyskinesia and oxidative stress in rat brain. <i>Pharmacology Biochemistry and Behavior</i> , 2005, 81, 608-615.	2.9	70

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37	Antisecretory and antiulcer effects of diphenyl diselenide. <i>Environmental Toxicology and Pharmacology</i> , 2006, 21, 86-92.	4.0	70
38	In vivo and in vitro inhibition of mice thioredoxin reductase by methylmercury. <i>BioMetals</i> , 2010, 23, 1171-1177.	4.1	70
39	Major Components of Energy Drinks (Caffeine, Taurine, and Guarana) Exert Cytotoxic Effects on Human Neuronal SH-SY5Y Cells by Decreasing Reactive Oxygen Species Production. <i>Oxidative Medicine and Cellular Longevity</i> , 2013, 2013, 1-22.	4.0	70
40	Behavior and brain enzymatic changes after long-term intoxication with cadmium salt or contaminated potatoes. <i>Food and Chemical Toxicology</i> , 2012, 50, 3709-3718.	3.6	68
41	Highly Stereoselective One-Pot Procedure To Prepare Bis- and Tris-chalcogenide Alkenes via Addition of Disulfides and Diselenides to Terminal Alkynes. <i>Journal of Organic Chemistry</i> , 2005, 70, 5257-5268.	3.2	66
42	A Possible Neuroprotective Action of a Vinylic Telluride against Mn-Induced Neurotoxicity. <i>Toxicological Sciences</i> , 2010, 115, 194-201.	3.1	66
43	Oxidative Stress in Methylmercury-Induced Cell Toxicity. <i>Toxics</i> , 2018, 6, 47.	3.7	66
44	Effects of age on reserpine-induced orofacial dyskinesia and possible protection of diphenyl diselenide. <i>Brain Research Bulletin</i> , 2004, 64, 339-345.	3.0	64
45	Synthesis and biological evaluation of new nitrogen-containing diselenides. <i>European Journal of Medicinal Chemistry</i> , 2014, 87, 131-139.	5.5	64
46	Guanosine and synthetic organoselenium compounds modulate methylmercury-induced oxidative stress in rat brain cortical slices: Involvement of oxidative stress and glutamatergic system. <i>Toxicology in Vitro</i> , 2009, 23, 302-307.	2.4	63
47	Ovotoxicants 4-vinylcyclohexene 1,2-monoepoxide and 4-vinylcyclohexene diepoxide disrupt redox status and modify different electrophile sensitive target enzymes and genes in <i>Drosophila melanogaster</i> . <i>Redox Biology</i> , 2015, 5, 328-339.	9.0	63
48	Evaluation of in vitro antioxidant effect of new mono and diselenides. <i>Toxicology in Vitro</i> , 2013, 27, 1433-1439.	2.4	62
49	Chemical composition, antioxidant and anticholinesterase activity of <i>Melissa officinalis</i> . <i>Industrial Crops and Products</i> , 2014, 53, 34-45.	5.2	62
50	High-sucrose diet induces diabetic-like phenotypes and oxidative stress in <i>Drosophila melanogaster</i> : Protective role of <i>Syzygium cumini</i> and <i>Bauhinia forficata</i> . <i>Biomedicine and Pharmacotherapy</i> , 2017, 89, 605-616.	5.6	61
51	Efficient Synthesis of Modular Amino Acid Derivatives Containing Selenium with Pronounced GPx-Like Activity. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 4211-4214.	2.4	59
52	In vitro Antioxidant Activity of <i>Valeriana officinalis</i> Against Different Neurotoxic Agents. <i>Neurochemical Research</i> , 2009, 34, 1372-1379.	3.3	59
53	Diphenyl diselenide and analogs are substrates of cerebral rat thioredoxin reductase: A pathway for their neuroprotective effects. <i>Neuroscience Letters</i> , 2011, 503, 1-5.	2.1	59
54	Dietary diphenyl diselenide reduces the STZ-induced toxicity. <i>Food and Chemical Toxicology</i> , 2008, 46, 186-194.	3.6	58

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55	Diphenyl Diselenide Effectively Reduces Atherosclerotic Lesions in LDLr $\alpha\alpha$ Mice by Attenuation of Oxidative Stress and Inflammation. <i>Journal of Cardiovascular Pharmacology</i> , 2011, 58, 91-101.	1.9	58
56	Protective effect of diphenyl diselenide against peroxynitrite-mediated endothelial cell death: A comparison with ebselen. <i>Nitric Oxide - Biology and Chemistry</i> , 2013, 31, 20-30.	2.7	58
57	Diphenyl diselenide, a simple glutathione peroxidase mimetic, inhibits human LDL oxidation in vitro. <i>Atherosclerosis</i> , 2008, 201, 92-100.	0.8	54
58	Acute reserpine and subchronic haloperidol treatments change synaptosomal brain glutamate uptake and elicit orofacial dyskinesia in rats. <i>Brain Research</i> , 2005, 1031, 202-210.	2.2	53
59	Synthesis of telluroamino acid derivatives with remarkable GPx like activity. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 43-45.	2.8	53
60	Bis selenide alkene derivatives: A class of potential antioxidant and antinociceptive agents. <i>Pharmacology Biochemistry and Behavior</i> , 2006, 83, 221-229.	2.9	50
61	Valeriana officinalis 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, 1478-1486.	4.8	50
62	Mitochondrial Dysfunction Induced by Different Organochalcogens Is Mediated by Thiol Oxidation and Is Not Dependent of the Classical Mitochondrial Permeability Transition Pore Opening. <i>Toxicological Sciences</i> , 2010, 117, 133-143.	3.1	48
63	Molecular Pathways Associated With Methylmercury-Induced Nrf2 Modulation. <i>Frontiers in Genetics</i> , 2018, 9, 373.	2.3	46
64	Effects of mercury and selenite on $\Gamma$ -aminolevulinic acid dehydratase activity and on selected oxidative stress parameters in rats. <i>Environmental Research</i> , 2004, 95, 166-173.	7.5	45
65	Comparative Studies on Dicholesteroyl Diselenide and Diphenyl Diselenide as Antioxidant Agents and their Effect on the Activities of Na <sup>+</sup> /K <sup>+</sup> ATPase and $\Gamma$ -Aminolevulinic acid Dehydratase in the Rat Brain. <i>Neurochemical Research</i> , 2008, 33, 167-178.	3.3	45
66	Diphenyl Diselenide Decreases Serum Levels of Total Cholesterol and Tissue Oxidative Stress in Cholesterol-fed Rabbits. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2009, 105, 17-23.	2.5	45
67	Role of Calcium and Mitochondria in MeHg-Mediated Cytotoxicity. <i>Journal of Biomedicine and Biotechnology</i> , 2012, 2012, 1-15.	3.0	45
68	Diphenyl diselenide abrogates brain oxidative injury and neurobehavioural deficits associated with pesticide chlorpyrifos exposure in rats. <i>Chemico-Biological Interactions</i> , 2018, 296, 105-116.	4.0	45
69	Caffeine supplementation modulates oxidative stress markers in the liver of trained rats. <i>Life Sciences</i> , 2014, 96, 40-45.	4.3	44
70	Behavioral and neurochemical effects induced by reserpine in mice. <i>Psychopharmacology</i> , 2016, 233, 457-467.	3.1	44
71	Protective effects of diphenyl diselenide in a mouse model of brain toxicity. <i>Chemico-Biological Interactions</i> , 2013, 206, 18-26.	4.0	42
72	The Relationship Between Copper, Iron, and Selenium Levels and Alzheimer Disease. <i>Biological Trace Element Research</i> , 2018, 181, 185-191.	3.5	42

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73	Oxalate modulates thiobarbituric acid reactive species (TBARS) production in supernatants of homogenates from rat brain, liver and kidney: Effect of diphenyl diselenide and diphenyl ditelluride. <i>Chemico-Biological Interactions</i> , 2007, 165, 87-98.	4.0	41
74	Evaluation of the Neurotoxic/Neuroprotective Role of Organoselenides Using Differentiated Human Neuroblastoma SH-SY5Y Cell Line Challenged with 6-Hydroxydopamine. <i>Neurotoxicity Research</i> , 2012, 22, 138-149.	2.7	41
75	Diphenyl diselenide protects neuronal cells against oxidative stress and mitochondrial dysfunction: Involvement of the glutathione-dependent antioxidant system. <i>Redox Biology</i> , 2019, 20, 118-129.	9.0	41
76	Low Toxicity of Diphenyl Diselenide in Rabbits: A Long-Term Study. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2007, 101, 47-55.	2.5	40
77	An organotellurium compound with antioxidant activity against excitotoxic agents without neurotoxic effects in brain of rats. <i>Brain Research Bulletin</i> , 2008, 76, 114-123.	3.0	39
78	Synthesis and Biological Evaluation of 2-Picolylamide-Based Diselenides with Non-Bonded Interactions. <i>Molecules</i> , 2015, 20, 10095-10109.	3.8	39
79	Insights into the differential toxicological and antioxidant effects of 4-phenylchalcogenil-7-chloroquinolines in <i>Caenorhabditis elegans</i> . <i>Free Radical Biology and Medicine</i> , 2017, 110, 133-141.	2.9	39
80	Involvement of oxidative stress in seizures induced by diphenyl diselenide in rat pups. <i>Brain Research</i> , 2007, 1147, 226-232.	2.2	38
81	Diphenyl diselenide confers neuroprotection against hydrogen peroxide toxicity in hippocampal slices. <i>Brain Research</i> , 2008, 1199, 138-147.	2.2	38
82	Therapeutic cold: An effective kind to modulate the oxidative damage resulting of a skeletal muscle contusion. <i>Free Radical Research</i> , 2011, 45, 133-146.	3.3	38
83	Antioxidant activity of <i>Peumus boldus</i> extract and alkaloid boldine against damage induced by Fe(II)-citrate in rat liver mitochondria in vitro. <i>Industrial Crops and Products</i> , 2014, 54, 240-247.	5.2	38
84	In vitro evaluation of glutathione peroxidase (GPx)-like activity and antioxidant properties of an organoselenium compound. <i>Toxicology in Vitro</i> , 2015, 29, 947-952.	2.4	38
85	Effect of Group 13 metals on porphobilinogen synthase in vitro. <i>Toxicology and Applied Pharmacology</i> , 2004, 200, 169-176.	2.8	37
86	High fat diet increases the incidence of orofacial dyskinesia and oxidative stress in specific brain regions of rats. <i>Pharmacology Biochemistry and Behavior</i> , 2005, 81, 585-592.	2.9	37
87	Effects of diphenyl diselenide on orofacial dyskinesia model in rats. <i>Brain Research Bulletin</i> , 2006, 70, 165-170.	3.0	37
88	Anxiolytic effects of diphenyl diselenide on adult zebrafish in a novelty paradigm. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2014, 54, 187-194.	4.8	37
89	Extending the analysis of zebrafish behavioral endophenotypes for modeling psychiatric disorders: Fear conditioning to conspecific alarm response. <i>Behavioural Processes</i> , 2018, 149, 35-42.	1.1	37
90	Mercury and Selenium – A Review on Aspects Related to the Health of Human Populations in the Amazon. <i>Environmental Bioindicators</i> , 2009, 4, 222-245.	0.4	36

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91	Hemolytic and genotoxic evaluation of organochalcogens in human blood cells in vitro. <i>Toxicology in Vitro</i> , 2009, 23, 1195-1204.	2.4	36
92	Modulation of methylmercury uptake by methionine: Prevention of mitochondrial dysfunction in rat liver slices by a mimicry mechanism. <i>Toxicology and Applied Pharmacology</i> , 2011, 252, 28-35.	2.8	35
93	Mitochondrial electron transfer chain complexes inhibition by different organochalcogens. <i>Toxicology in Vitro</i> , 2013, 27, 59-70.	2.4	35
94	The Thiol-Modifier Effects of Organoselenium Compounds and Their Cytoprotective Actions in Neuronal Cells. <i>Neurochemical Research</i> , 2021, 46, 120-130.	3.3	35
95	Cytotoxicity and Genotoxicity Evaluation of Organochalcogens in Human Leucocytes: A Comparative Study between Ebselen, Diphenyl Diselenide, and Diphenyl Ditelluride. <i>BioMed Research International</i> , 2013, 2013, 1-6.	1.9	34
96	Diphenyl diselenide administration enhances cortical mitochondrial number and activity by increasing hemeoxygenase type 1 content in a methylmercury-induced neurotoxicity mouse model. <i>Molecular and Cellular Biochemistry</i> , 2014, 390, 1-8.	3.1	34
97	Antioxidant properties of diorganoyl diselenides and ditellurides: modulation by organic aryl or naphthyl moiety. <i>Molecular and Cellular Biochemistry</i> , 2012, 371, 97-104.	3.1	33
98	<i>In silico</i> Studies on the Interaction between Mpro and PLpro From SARS-CoV-2 and Ebselen, its Metabolites and Derivatives. <i>Molecular Informatics</i> , 2021, 40, e2100028.	2.5	33
99	Diethyl 2-phenyl-2 tellurophenyl vinylphosphonate: An organotellurium compound with low toxicity. <i>Toxicology</i> , 2006, 224, 100-107.	4.2	32
100	Diphenyl Diselenide Prevents Cortico-cerebral Mitochondrial Dysfunction and Oxidative Stress Induced by Hypercholesterolemia in LDL Receptor Knockout Mice. <i>Neurochemical Research</i> , 2013, 38, 2028-2036.	3.3	32
101	Diphenyl diselenide (PhSe) <sub>2</sub> inhibits biofilm formation by <i>Candida albicans</i> , increasing both ROS production and membrane permeability. <i>Journal of Trace Elements in Medicine and Biology</i> , 2015, 29, 289-295.	3.0	32
102	Butane-2,3-dionethiosemicarbazone: An oxime with antioxidant properties. <i>Chemico-Biological Interactions</i> , 2009, 177, 153-160.	4.0	31
103	Association between oxidative stress and contextual fear conditioning in Carioca high- and low-conditioned freezing rats. <i>Brain Research</i> , 2013, 1512, 60-67.	2.2	31
104	HPLC Analysis of Polyphenolic Compounds and Antioxidant Activity in <i>Nasturtium officinale</i> . <i>International Journal of Food Properties</i> , 2013, 16, 61-69.	3.0	31
105	Effects of Diphenyl Diselenide on Methylmercury Toxicity in Rats. <i>BioMed Research International</i> , 2013, 2013, 1-12.	1.9	31
106	Oxidative stress, caspase-3 activation and cleavage of ROCK-1 play an essential role in MeHg-induced cell death in primary astroglial cells. <i>Food and Chemical Toxicology</i> , 2018, 113, 328-336.	3.6	31
107	Diclofenac pretreatment effects on the toll-like receptor 4/nuclear factor kappa B-mediated inflammatory response to eccentric exercise in rat liver. <i>Life Sciences</i> , 2016, 148, 247-253.	4.3	30
108	Inhibitory effect of ebselen on lactate dehydrogenase activity from mammals: a comparative study with diphenyl diselenide and diphenyl ditelluride. <i>Drug and Chemical Toxicology</i> , 2011, 34, 66-76.	2.3	29

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109	Diphenyl diselenide modulates oxLDL-induced cytotoxicity in macrophage by improving the redox signaling. <i>Biochimie</i> , 2013, 95, 1544-1551.	2.6	29
110	Neurobehavioral and biochemical changes in <i>Nauphoeta cinerea</i> following dietary exposure to chlorpyrifos. <i>Pesticide Biochemistry and Physiology</i> , 2016, 130, 22-30.	3.6	29
111	Long-term sucrose and glucose consumption decreases the $\hat{\Gamma}$ -aminolevulinate dehydratase activity in mice. <i>Nutrition</i> , 2007, 23, 818-826.	2.4	27
112	<i>Valeriana officinalis</i> ameliorates vacuous chewing movements induced by reserpine in rats. <i>Journal of Neural Transmission</i> , 2011, 118, 1547-1557.	2.8	27
113	Oxidative stress and $\hat{\Gamma}$ -ALA-D activity in chronic renal failure patients. <i>Biomedicine and Pharmacotherapy</i> , 2007, 61, 180-185.	5.6	26
114	Diphenyl diselenide supplementation delays the development of N-nitroso-N-methylurea-induced mammary tumors. <i>Archives of Toxicology</i> , 2008, 82, 655-663.	4.2	26
115	Diphenyl diselenide diet intake improves spatial learning and memory deficits in hypothyroid female rats. <i>International Journal of Developmental Neuroscience</i> , 2012, 30, 83-89.	1.6	26
116	Resveratrol reduces vacuous chewing movements induced by acute treatment with fluphenazine. <i>Pharmacology Biochemistry and Behavior</i> , 2012, 101, 307-310.	2.9	26
117	Clomipramine Treatment and Repeated Restraint Stress Alter Parameters of Oxidative Stress in Brain Regions of Male Rats. <i>Neurochemical Research</i> , 2010, 35, 1761-1770.	3.3	25
118	Acute Treatment with Diphenyl Diselenide Inhibits Glutamate Uptake into Rat Hippocampal Slices and Modifies Glutamate Transporters, SNAP-25, and GFAP Immunoccontent. <i>Toxicological Sciences</i> , 2010, 113, 434-443.	3.1	25
119	Antioxidant activity of $\hat{\Gamma}^2$ -selenoamines and their capacity to mimic different enzymes. <i>Molecular and Cellular Biochemistry</i> , 2012, 365, 85-92.	3.1	25
120	Diphenyl diselenide protects endothelial cells against oxidized low density lipoprotein-induced injury: Involvement of mitochondrial function. <i>Biochimie</i> , 2014, 105, 172-181.	2.6	25
121	Influence of diphenyl diselenide on chlorpyrifos-induced toxicity in <i>Drosophila melanogaster</i> . <i>Journal of Trace Elements in Medicine and Biology</i> , 2015, 32, 52-59.	3.0	25
122	Neuroprotection of luteolin against methylmercury-induced toxicity in lobster cockroach <i>Nauphoeta cinerea</i> . <i>Environmental Toxicology and Pharmacology</i> , 2016, 42, 243-251.	4.0	25
123	$\hat{\Gamma}$ -Aminolevulinate Dehydratase Inhibition by Phenyl Selenoacetylene: Effect of Reaction with Hydrogen Peroxide. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2002, 90, 214-219.	0.0	24
124	Ebselen and diphenyl diselenide do not change the inhibitory effect of lead acetate on delta-aminolevulinate dehidratase. <i>Environmental Toxicology and Pharmacology</i> , 2005, 19, 239-248.	4.0	24
125	Protective effect of binaphthyl diselenide, a synthetic organoselenium compound, on 2- $\hat{\Gamma}$ -nitropropane-induced hepatotoxicity in rats. <i>Cell Biochemistry and Function</i> , 2010, 28, 258-265.	2.9	24
126	Caffeine Intake May Modulate Inflammation Markers in Trained Rats. <i>Nutrients</i> , 2014, 6, 1678-1690.	4.1	24



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127	Biochemical CuSO <sub>4</sub> Toxicity in <i>Drosophila melanogaster</i> Depends on Sex and Developmental Stage of Exposure. <i>Biological Trace Element Research</i> , 2019, 189, 574-585.	3.5	24
128	Diphenyl diselenide decreases the prevalence of vacuous chewing movements induced by fluphenazine in rats. <i>Psychopharmacology</i> , 2007, 194, 423-432.	3.1	23
129	High-fat diet and hydrochlorothiazide increase oxidative stress in brain of rats. <i>Cell Biochemistry and Function</i> , 2009, 27, 473-478.	2.9	23
130	Reduction of Diphenyl Diselenide and Analogs by Mammalian Thioredoxin Reductase Is Independent of Their Glutathione Peroxidase-Like Activity: A Possible Novel Pathway for Their Antioxidant Activity. <i>Molecules</i> , 2010, 15, 7699-7714.	3.8	23
131	Catuaba ( <i>Trichilia catigua</i> ) Prevents Against Oxidative Damage Induced by In Vitro Ischemia-Reperfusion in Rat Hippocampal Slices. <i>Neurochemical Research</i> , 2012, 37, 2826-2835.	3.3	23
132	Protective effect of (±)-bisabolol on rotenone-induced toxicity in <i>Drosophila melanogaster</i> . <i>Canadian Journal of Physiology and Pharmacology</i> , 2018, 96, 359-365.	1.4	23
133	Diphenyl diselenide protects against glycerol-induced renal damage in rats. <i>Journal of Applied Toxicology</i> , 2009, 29, 612-618.	2.8	22
134	Diphenyl diselenide supplemented diet reduces depressive-like behavior in hypothyroid female rats. <i>Physiology and Behavior</i> , 2014, 124, 116-122.	2.1	22
135	Diselenoamino acid derivatives as GPx mimics and as substrates of TrxR: in vitro and in silico studies. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 3777-3787.	2.8	22
136	Hyperglycemia elicits anxiety-like behaviors in zebrafish: Protective role of dietary diphenyl diselenide. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2018, 85, 128-135.	4.8	21
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265	A toxicological comparison between two uranium compounds in <i>Artemia salina</i> : Artificial seawater containing CaCO <sub>3</sub> . <i>Marine Environmental Research</i> , 2021, 163, 105221.	2.5	1
266	Short exposure to ethyl and methylmercury prompts similar toxic responses in <i>Drosophila melanogaster</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2022, 252, 109216.	2.6	1
267	Highly Stereoselective One-Pot Procedure to Prepare Bis- and Tris-chalcogenide Alkenes via Addition of Disulfides and Diselenides to Terminal Alkynes.. <i>ChemInform</i> , 2005, 36, no.	0.0	0