

# Cristina W. Nogueira

## List of Publications by Citations

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

395 papers	11,384 citations	47 h-index	83 g-index
403 ext. papers	12,255 ext. citations	4.4 avg, IF	6.38 L-index

#	Paper	IF	Citations
395	Organoselenium and organotellurium compounds: toxicology and pharmacology. <i>Chemical Reviews</i> , <b>2004</b> , 104, 6255-85	68.1	1405
394	Toxicology and pharmacology of selenium: emphasis on synthetic organoselenium compounds. <i>Archives of Toxicology</i> , <b>2011</b> , 85, 1313-59	5.8	355
393	Diphenyl diselenide and ascorbic acid changes deposition of selenium and ascorbic acid in liver and brain of mice. <i>Basic and Clinical Pharmacology and Toxicology</i> , <b>2001</b> , 88, 119-25		344
392	Krebs cycle intermediates modulate thiobarbituric acid reactive species (TBARS) production in rat brain in vitro. <i>Neurochemical Research</i> , <b>2005</b> , 30, 225-35	4.6	235
391	Diphenyl diselenide a janus-faced molecule. <i>Journal of the Brazilian Chemical Society</i> , <b>2010</b> , 21, 2055-2071	1.5	170
390	Dihydropyrimidin-(2H)-ones obtained by ultrasound irradiation: a new class of potential antioxidant agents. <i>European Journal of Medicinal Chemistry</i> , <b>2006</b> , 41, 513-8	6.8	114
389	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> , <b>2009</b> , 79, 77-84	3.9	108
388	Electrophilic cyclization of 2-chalcogenealkynylanisoles: versatile access to 2-chalcogen-benzo[b]furans. <i>Journal of Organic Chemistry</i> , <b>2009</b> , 74, 2153-62	4.2	106
387	Diphenyl diselenide and diphenyl ditelluride affect the rat glutamatergic system in vitro and in vivo. <i>Brain Research</i> , <b>2001</b> , 906, 157-63	3.7	105
386	Antinociceptive properties of diphenyl diselenide: evidences for the mechanism of action. <i>European Journal of Pharmacology</i> , <b>2007</b> , 555, 129-38	5.3	101
385	Diphenyl diselenide reverses cadmium-induced oxidative damage on mice tissues. <i>Chemico-Biological Interactions</i> , <b>2005</b> , 151, 159-65	5	93
384	Aminolevulinate dehydratase (ALA-D) as marker protein of intoxication with metals and other pro-oxidant situations. <i>Toxicology Research</i> , <b>2012</b> , 1, 85	2.6	89
383	Organoselenium compounds as mimics of selenoproteins and thiol modifier agents. <i>Metallomics</i> , <b>2017</b> , 9, 1703-1734	4.5	83
382	Oral administration of diphenyl diselenide protects against cadmium-induced liver damage in rats. <i>Chemico-Biological Interactions</i> , <b>2008</b> , 171, 15-25	5	78
381	Quercitrin, a glycoside form of quercetin, prevents lipid peroxidation in vitro. <i>Brain Research</i> , <b>2006</b> , 1107, 192-8	3.7	77
380	Thiophenes and furans derivatives: a new class of potential pharmacological agents. <i>Environmental Toxicology and Pharmacology</i> , <b>2003</b> , 15, 37-44	5.8	75
379	Electrophilic cyclization of (Z)-selenoenynes: synthesis and reactivity of 3-iodoselenophenes. <i>Journal of Organic Chemistry</i> , <b>2007</b> , 72, 6726-34	4.2	73

378	Acute liver damage induced by 2-nitropropane in rats: effect of diphenyl diselenide on antioxidant defenses. <i>Chemico-Biological Interactions</i> , <b>2006</b> , 160, 99-107	5	70
377	Comparative study of quercetin and its two glycoside derivatives quercitrin and rutin against methylmercury (MeHg)-induced ROS production in rat brain slices. <i>Archives of Toxicology</i> , <b>2010</b> , 84, 89-97	5.8	68
376	Cadmium induced testicular damage and its response to administration of succimer and diphenyl diselenide in mice. <i>Toxicology Letters</i> , <b>2004</b> , 152, 255-63	4.4	68
375	Diphenyl diselenide exerts antidepressant-like and anxiolytic-like effects in mice: involvement of L-arginine-nitric oxide-soluble guanylate cyclase pathway in its antidepressant-like action. <i>Pharmacology Biochemistry and Behavior</i> , <b>2008</b> , 88, 418-26	3.9	67
374	Brain and lungs of rats are differently affected by cigarette smoke exposure: antioxidant effect of an organoselenium compound. <i>Pharmacological Research</i> , <b>2009</b> , 59, 194-201	10.2	66
373	In vivo and in vitro inhibition of mice thioredoxin reductase by methylmercury. <i>BioMetals</i> , <b>2010</b> , 23, 1171-74	7.4	66
372	Involvement of L-arginine-nitric oxide-cyclic guanosine monophosphate pathway in the antidepressant-like effect of tramadol in the rat forced swimming test. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>2008</b> , 32, 1838-43	5.5	66
371	Monoaminergic agents modulate antidepressant-like effect caused by diphenyl diselenide in rats. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>2007</b> , 31, 1261-9	5.5	65
370	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> , <b>2007</b> , 81, 51-62	6.8	65
369	Antisecretory and antiulcer effects of diphenyl diselenide. <i>Environmental Toxicology and Pharmacology</i> , <b>2006</b> , 21, 86-92	5.8	65
368	Protective effect of diphenyl diselenide on acute liver damage induced by 2-nitropropane in rats. <i>Toxicology</i> , <b>2005</b> , 210, 1-8	4.4	65
367	Anti-allodynic property of flavonoid myricitrin in models of persistent inflammatory and neuropathic pain in mice. <i>Biochemical Pharmacology</i> , <b>2006</b> , 72, 1707-13	6	63
366	Hydroselenation of alkynes by lithium butylselenolate: an approach in the synthesis of vinylic selenides. <i>Organic Letters</i> , <b>2004</b> , 6, 1135-8	6.2	62
365	Efficacy of diphenyl diselenide against cerebral and pulmonary damage induced by cadmium in mice. <i>Toxicology Letters</i> , <b>2007</b> , 173, 181-90	4.4	60
364	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> , <b>2005</b> , 70, 5257-68	4.2	60
363	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
362	Chlorpyrifos acute exposure induces hyperglycemia and hyperlipidemia in rats. <i>Chemosphere</i> , <b>2012</b> , 89, 602-8	8.4	57
361	Anticonvulsant and antioxidant effects of 3-alkynyl selenophene in 21-day-old rats on pilocarpine model of seizures. <i>Brain Research Bulletin</i> , <b>2009</b> , 79, 281-7	3.9	56

- 360 Guanosine and synthetic organoselenium compounds modulate methylmercury-induced oxidative stress in rat brain cortical slices: involvement of oxidative stress and glutamatergic system. *Toxicology in Vitro*, **2009**, 23, 302-7 3.6 55
- 359 Palladium-catalyzed Suzuki cross-coupling of 2-haloselenophenes: synthesis of 2-arylselenophenes, 2,5-diarylselenophenes, and 2-arylselenophenyl ketones. *Journal of Organic Chemistry*, **2006**, 71, 3786-92 4.2 55
- 358 Exposure to ebselen changes glutamate uptake and release by rat brain synaptosomes. *Neurochemical Research*, **2002**, 27, 283-8 4.6 55
- 357 Synthesis of organochalcogen propargyl aryl ethers and their application in the electrophilic cyclization reaction: an efficient preparation of 3-halo-4-chalcogen-2H-benzopyrans. *Journal of Organic Chemistry*, **2009**, 74, 3469-77 4.2 54
- 356 Involvement of oxidative stress in the pre-malignant and malignant states of cervical cancer in women. *Clinical Biochemistry*, **2005**, 38, 1071-5 3.5 53
- 355 Hepatoprotective effect of 3-alkynyl selenophene on acute liver injury induced by D-galactosamine and lipopolysaccharide. *Experimental and Molecular Pathology*, **2009**, 87, 20-6 4.4 50
- 354 Synthesis and anti-inflammatory activity of acetylenic thiophenes. *Tetrahedron Letters*, **2001**, 42, 7921-7923 5.0 50
- 353 Antioxidant effect of alkynylselenoalcohol compounds on liver and brain of rats in vitro. *Environmental Toxicology and Pharmacology*, **2009**, 28, 280-7 5.8 49
- 352 New acetylenic furan derivatives: synthesis and anti-inflammatory activity. *Tetrahedron Letters*, **2001**, 42, 8927-8930 2 49
- 351 Antidepressant-like effect of a new selenium-containing compound is accompanied by a reduction of neuroinflammation and oxidative stress in lipopolysaccharide-challenged mice. *Journal of Psychopharmacology*, **2017**, 31, 1263-1273 4.6 48
- 350 Copper iodide-catalyzed cyclization of (Z)-chalcogenoenynes. *Organic Letters*, **2008**, 10, 4983-6 6.2 48
- 349 Diphenyl diselenide, a simple glutathione peroxidase mimetic, inhibits human LDL oxidation in vitro. *Atherosclerosis*, **2008**, 201, 92-100 3.1 48
- 348 Monosodium glutamate, a food additive, induces depressive-like and anxiogenic-like behaviors in young rats. *Life Sciences*, **2014**, 107, 27-31 6.8 47
- 347 Antinociceptive and anti-allodynic effects of 3-alkynyl selenophene on different models of nociception in mice. *Pharmacology Biochemistry and Behavior*, **2009**, 93, 419-25 3.9 47
- 346 Protective effect of caffeine and a selective A2A receptor antagonist on impairment of memory and oxidative stress of aged rats. *Experimental Gerontology*, **2011**, 46, 309-15 4.5 46
- 345 Bis selenide alkene derivatives: A class of potential antioxidant and antinociceptive agents. *Pharmacology Biochemistry and Behavior*, **2006**, 83, 221-9 3.9 46
- 344 Efficacy of 2,3-dimercapto-1-propanesulfonic acid (DMPS) and diphenyl diselenide on cadmium induced testicular damage in mice. *Food and Chemical Toxicology*, **2005**, 43, 1723-30 4.7 46
- 343 Anthocyanins control neuroinflammation and consequent memory dysfunction in mice exposed to lipopolysaccharide. *Molecular Neurobiology*, **2017**, 54, 3350-3367 6.2 45

342	Therapeutic effect of organoselenium dietary supplementation in a sporadic dementia of Alzheimer's type model in rats. <i>Journal of Nutritional Biochemistry</i> , <b>2013</b> , 24, 311-7	6.3	45
341	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> , <b>2010</b> , 117, 133-43	4.4	45
340	Organoselenium improves memory decline in mice: involvement of acetylcholinesterase activity. <i>Neuroscience Letters</i> , <b>2010</b> , 472, 56-60	3.3	45
339	Synthesis and antidepressant-like activity of selenophenes obtained via iron(III)-PhSeSePh-mediated cyclization of Z-selenoenynes. <i>Organic and Biomolecular Chemistry</i> , <b>2012</b> , 10, 798-807	3.9	44
338	Ebselen attenuates reserpine-induced orofacial dyskinesia and oxidative stress in rat striatum. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>2003</b> , 27, 135-40	5.5	44
337	Depression-like behavior and mechanical allodynia are reduced by bis selenide treatment in mice with chronic constriction injury: a comparison with fluoxetine, amitriptyline, and bupropion. <i>Psychopharmacology</i> , <b>2010</b> , 212, 513-22	4.7	42
336	A multifunctional compound ebselen reverses memory impairment, apoptosis and oxidative stress in a mouse model of sporadic Alzheimer's disease. <i>Journal of Psychiatric Research</i> , <b>2019</b> , 109, 107-117	5.2	42
335	Diphenyl diselenide decreases serum levels of total cholesterol and tissue oxidative stress in cholesterol-fed rabbits. <i>Basic and Clinical Pharmacology and Toxicology</i> , <b>2009</b> , 105, 17-23	3.1	41
334	On the mechanisms involved in antinociception induced by diphenyl diselenide. <i>Environmental Toxicology and Pharmacology</i> , <b>2005</b> , 19, 283-9	5.8	41
333	m-Trifluoromethyl-diphenyl diselenide, a multi-target selenium compound, prevented mechanical allodynia and depressive-like behavior in a mouse comorbid pain and depression model. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>2015</b> , 63, 35-46	5.5	40
332	Protective effect of diphenyl diselenide on ischemia and reperfusion-induced cerebral injury: involvement of oxidative stress and pro-inflammatory cytokines. <i>Neurochemical Research</i> , <b>2012</b> , 37, 2249-58	4.6	40
331	Antidepressant-like effect of m-trifluoromethyl-diphenyl diselenide in the mouse forced swimming test involves opioid and serotonergic systems. <i>European Journal of Pharmacology</i> , <b>2011</b> , 658, 145-9	5.3	40
330	Diphenyl diselenide attenuates acute thermal hyperalgesia and persistent inflammatory and neuropathic pain behavior in mice. <i>Brain Research</i> , <b>2007</b> , 1175, 54-9	3.7	40
329	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
328	Stereoselective sp <sup>2</sup> sp <sup>2</sup> bond formation via Negishi cross-coupling of vinylic tellurides and 2-heteroarylzinc chlorides. <i>Tetrahedron Letters</i> , <b>2004</b> , 45, 4823-4826	2	40
327	Toxicology and pharmacology of synthetic organoselenium compounds: an update. <i>Archives of Toxicology</i> , <b>2021</b> , 95, 1179-1226	5.8	40
326	Comparative studies on dicholesteryl diselenide and diphenyl diselenide as antioxidant agents and their effect on the activities of Na <sup>+</sup> /K <sup>+</sup> ATPase and delta-aminolevulinic acid dehydratase in the rat brain. <i>Neurochemical Research</i> , <b>2008</b> , 33, 167-78	4.6	39
325	Mineral concentrations in the embryo and seed coat of common bean cultivars. <i>Journal of Food Composition and Analysis</i> , <b>2012</b> , 26, 89-95	4.1	38

324	Candida dubliniensis: epidemiology and phenotypic methods for identification. <i>Mycopathologia</i> , <b>2010</b> , 169, 431-43	2.9	38
323	Low toxicity of diphenyl diselenide in rabbits: a long-term study. <i>Basic and Clinical Pharmacology and Toxicology</i> , <b>2007</b> , 101, 47-55	3.1	38
322	Effects of undernutrition on glutamatergic parameters in rat brain. <i>Neurochemical Research</i> , <b>2003</b> , 28, 1181-6	4.6	38
321	Involvement of oxidative stress in seizures induced by diphenyl diselenide in rat pups. <i>Brain Research</i> , <b>2007</b> , 1147, 226-32	3.7	37
320	Depressive-like behavior induced by tumor necrosis factor- $\alpha$ s attenuated by m-trifluoromethyl-diphenyl diselenide in mice. <i>Journal of Psychiatric Research</i> , <b>2015</b> , 66-67, 75-83	5.2	36
319	An organotellurium compound with antioxidant activity against excitotoxic agents without neurotoxic effects in brain of rats. <i>Brain Research Bulletin</i> , <b>2008</b> , 76, 114-23	3.9	36
318	High fat diet increases the incidence of orofacial dyskinesia and oxidative stress in specific brain regions of rats. <i>Pharmacology Biochemistry and Behavior</i> , <b>2005</b> , 81, 585-92	3.9	36
317	Antiviral Action of Diphenyl Diselenide on Herpes Simplex Virus 2 Infection in Female BALB/c Mice. <i>Journal of Cellular Biochemistry</i> , <b>2016</b> , 117, 1638-48	4.7	35
316	Diphenyl diselenide ameliorates monosodium glutamate induced anxiety-like behavior in rats by modulating hippocampal BDNF-Akt pathway and uptake of GABA and serotonin neurotransmitters. <i>Physiology and Behavior</i> , <b>2016</b> , 155, 1-8	3.5	35
315	Sub-chronical exposure to diphenyl diselenide enhances acquisition and retention of spatial memory in rats. <i>Brain Research</i> , <b>2008</b> , 1201, 106-13	3.7	35
314	Sub-chronic administration of diphenyl diselenide potentiates cadmium-induced testicular damage in mice. <i>Reproductive Toxicology</i> , <b>2006</b> , 22, 546-50	3.4	35
313	The antidepressant-like effect of 7-fluoro-1,3-diphenylisoquinoline-1-amine in the mouse forced swimming test is mediated by serotonergic and dopaminergic systems. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>2014</b> , 54, 179-86	5.5	34
312	Depression-related behavior and mechanical allodynia are blocked by 3-(4-fluorophenylselenenyl)-2,5-diphenylselenophene in a mouse model of neuropathic pain induced by partial sciatic nerve ligation. <i>Neuropharmacology</i> , <b>2014</b> , 79, 580-9	5.5	34
311	Human erythrocyte hemolysis induced by selenium and tellurium compounds increased by GSH or glucose: a possible involvement of reactive oxygen species. <i>Chemico-Biological Interactions</i> , <b>2009</b> , 177, 28-33	5	34
310	Copper-promoted carbon-nitrogen bond formation with 2-iodo-selenophene and amides. <i>Journal of Organic Chemistry</i> , <b>2006</b> , 71, 1552-7	4.2	34
309	Enhanced photostability, radical scavenging and antitumor activity of indole-3-carbinol-loaded rose hip oil nanocapsules. <i>Materials Science and Engineering C</i> , <b>2017</b> , 74, 279-286	8.3	33
308	Bis-vinyl selenides obtained via iron(III) catalyzed addition of PhSeSePh to alkynes: synthesis and antinociceptive activity. <i>Organic and Biomolecular Chemistry</i> , <b>2013</b> , 11, 1199-208	3.9	33
307	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> , <b>2007</b> , 165, 87-98	5	33



306	Ketoprofen-loaded pomegranate seed oil nanoemulsion stabilized by pullulan: Selective antiglioma formulation for intravenous administration. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2015</b> , 130, 272-7	6	32
305	Synthesis of natural polyacetylenes bearing furan rings. <i>Journal of Natural Products</i> , <b>2009</b> , 72, 857-60	4.9	32
304	Diphenyl diselenide improves scopolamine-induced memory impairment in mice. <i>Behavioural Pharmacology</i> , <b>2010</b> , 21, 556-62	2.4	32
303	Role of nitric oxide/cyclic GMP/K(+) channel pathways in the antinociceptive effect caused by 2,3-bis(mesitylseleno)propenol. <i>Life Sciences</i> , <b>2007</b> , 81, 1694-702	6.8	32
302	Diethyl 2-phenyl-2 tellurophenyl vinylphosphonate: an organotellurium compound with low toxicity. <i>Toxicology</i> , <b>2006</b> , 224, 100-7	4.4	32
301	Diphenyl ditelluride impairs short-term memory and alters neurochemical parameters in young rats. <i>Pharmacology Biochemistry and Behavior</i> , <b>2009</b> , 91, 430-5	3.9	31
300	Antioxidant effect of diphenyl diselenide on oxidative stress caused by acute physical exercise in skeletal muscle and lungs of mice. <i>Cell Biochemistry and Function</i> , <b>2009</b> , 27, 216-22	4.2	31
299	Involvement of the serotonergic system in the anxiolytic-like effect caused by m-trifluoromethyl-diphenyl diselenide in mice. <i>Behavioural Brain Research</i> , <b>2009</b> , 205, 511-7	3.4	31
298	Antidepressant-like effect of diphenyl diselenide on rats exposed to malathion: involvement of Na <sup>+</sup> /K <sup>+</sup> ATPase activity. <i>Neuroscience Letters</i> , <b>2009</b> , 455, 168-72	3.3	31
297	Cadmium inhibits delta-aminolevulinate dehydratase from rat lung in vitro: interaction with chelating and antioxidant agents. <i>Chemico-Biological Interactions</i> , <b>2007</b> , 165, 127-37	5	31
296	The selenium-containing compound 3-((4-chlorophenyl)selenyl)-1-methyl-1H-indole reverses depressive-like behavior induced by acute restraint stress in mice: modulation of oxido-nitrosative stress and inflammatory pathway. <i>Psychopharmacology</i> , <b>2019</b> , 236, 2867-2880	4.7	31
295	Diphenyl diselenide ameliorates behavioral and oxidative parameters in an animal model of mania induced by ouabain. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>2012</b> , 38, 168-74	5.5	30
294	Sporadic dementia of Alzheimer's type induced by streptozotocin promotes anxiogenic behavior in mice. <i>Behavioural Brain Research</i> , <b>2011</b> , 223, 1-6	3.4	30
293	Changes in biochemical parameters in rabbits blood after oral exposure to diphenyl diselenide for long periods. <i>Chemico-Biological Interactions</i> , <b>2006</b> , 162, 1-10	5	30
292	Pomegranate seed oil nanoemulsions improve the photostability and in vivo antinociceptive effect of a non-steroidal anti-inflammatory drug. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2016</b> , 144, 214-221	6	30
291	Swimming exercise and diphenyl diselenide-supplemented diet affect the serum levels of pro- and anti-inflammatory cytokines differently depending on the age of rats. <i>Cytokine</i> , <b>2015</b> , 71, 119-23	4	29
290	Comparative excretion and tissue distribution of selenium in mice and rats following treatment with diphenyl diselenide. <i>Biological Trace Element Research</i> , <b>2012</b> , 150, 272-7	4.5	29
289	In vitro antifungal evaluation and structure-activity relationship of diphenyl diselenide and synthetic analogues. <i>Mycoses</i> , <b>2011</b> , 54, e572-6	5.2	29

288	Antidepressant-like pharmacological profile of 3-(4-fluorophenylselenenyl)-2,5-diphenylselenophene: Involvement of serotonergic system. <i>Neuropharmacology</i> , <b>2010</b> , 59, 172-9	5.5	29
287	Evaluation of antioxidant activity and potential toxicity of 1-buthyltelurenyl-2-methylthioheptene. <i>Life Sciences</i> , <b>2006</b> , 79, 1546-52	6.8	29
286	Interaction between metals and chelating agents affects glutamate binding on brain synaptic membranes. <i>Neurochemical Research</i> , <b>2003</b> , 28, 1859-65	4.6	29
285	Evidence for the involvement of the serotonergic 5-HT <sub>2A/C</sub> and 5-HT <sub>3</sub> receptors in the antidepressant-like effect caused by oral administration of bis selenide in mice. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>2010</b> , 34, 294-302	5.5	28
284	Protective effect of disubstituted diaryl diselenides on cerebral oxidative damage caused by sodium nitroprusside. <i>Biochemical Engineering Journal</i> , <b>2009</b> , 45, 94-99	4.2	28
283	Antioxidant effect of diphenyl diselenide on oxidative damage induced by smoke in rats: involvement of glutathione. <i>Ecotoxicology and Environmental Safety</i> , <b>2009</b> , 72, 248-254	7	28
282	Regio- and stereoselective synthesis of vinyl sulfides via PhSeBr-catalyzed hydrothiolation of alkynes. <i>Tetrahedron Letters</i> , <b>2007</b> , 48, 4805-4808	2	28
281	Further analysis of the antinociceptive action caused by p-methoxyl-diphenyl diselenide in mice. <i>Pharmacology Biochemistry and Behavior</i> , <b>2009</b> , 91, 573-80	3.9	27
280	Studies on preventive effects of diphenyl diselenide on acetaminophen-induced hepatotoxicity in rats. <i>Pathophysiology</i> , <b>2009</b> , 16, 31-7	1.8	27
279	Evidence for the involvement of the noradrenergic system, dopaminergic and imidazoline receptors in the antidepressant-like effect of tramadol in mice. <i>Pharmacology Biochemistry and Behavior</i> , <b>2010</b> , 95, 344-50	3.9	27
278	Synthesis of 3-Alkynylselenophene Derivatives by a Copper-Free Sonogashira Cross-Coupling Reaction. <i>European Journal of Organic Chemistry</i> , <b>2008</b> , 2008, 377-382	3.2	27
277	Diphenyl diselenide in its selenol form has dehydroascorbate reductase and glutathione S-transferase-like activity dependent on the glutathione content. <i>Journal of Pharmacy and Pharmacology</i> , <b>2010</b> , 62, 1146-51	4.8	26
276	The potential antioxidant activity of 2,3-dihydroselenophene, a prototype drug of 4-aryl-2,3-dihydroselenophenes. <i>Bioorganic and Medicinal Chemistry</i> , <b>2011</b> , 19, 1418-25	3.4	26
275	Antioxidant effect of a novel class of telluroacetilene compounds: studies in vitro and in vivo. <i>Life Sciences</i> , <b>2009</b> , 84, 351-7	6.8	26
274	Protective effect of unsymmetrical dichalcogenide, a novel antioxidant agent, in vitro and an in vivo model of brain oxidative damage. <i>Chemico-Biological Interactions</i> , <b>2008</b> , 176, 129-36	5	26
273	Diphenyl diselenide supplementation delays the development of N-nitroso-N-methylurea-induced mammary tumors. <i>Archives of Toxicology</i> , <b>2008</b> , 82, 655-63	5.8	26
272	2,2RDithienyl diselenide pro-oxidant activity accounts for antibacterial and antifungal activities. <i>Microbiological Research</i> , <b>2013</b> , 168, 563-8	5.3	25
271	Diphenyl diselenide reduces inflammation in the mouse model of pleurisy induced by carrageenan: reduction of pro-inflammatory markers and reactive species levels. <i>Inflammation Research</i> , <b>2012</b> , 61, 1117-24	7.2	25



270	Antioxidant properties of diorganoyl diselenides and ditellurides: modulation by organic aryl or naphthyl moiety. <i>Molecular and Cellular Biochemistry</i> , <b>2012</b> , 371, 97-104	4.2	25
269	Diphenyl diselenide diet intake improves spatial learning and memory deficits in hypothyroid female rats. <i>International Journal of Developmental Neuroscience</i> , <b>2012</b> , 30, 83-9	2.7	25
268	2,2Rdipyridyl diselenide is a better antioxidant than other disubstituted diaryl diselenides. <i>Molecular and Cellular Biochemistry</i> , <b>2012</b> , 367, 153-63	4.2	25
267	Neuroprotector effect of p,pRmethoxyl-diphenyl diselenide in a model of sporadic dementia of Alzheimer's type in mice: contribution of antioxidant mechanism. <i>Cell Biochemistry and Function</i> , <b>2011</b> , 29, 235-43	4.2	25
266	Structural modifications into diphenyl diselenide molecule do not cause toxicity in mice. <i>Environmental Toxicology and Pharmacology</i> , <b>2009</b> , 27, 271-6	5.8	25
265	3-Alkynyl selenophene protects against carbon-tetrachloride-induced and 2-nitropropane-induced hepatic damage in rats. <i>Cell Biology and Toxicology</i> , <b>2010</b> , 26, 569-77	7.4	25
264	A novel isoquinoline compound abolishes chronic unpredictable mild stress-induced depressive-like behavior in mice. <i>Behavioural Brain Research</i> , <b>2016</b> , 307, 73-83	3.4	25
263	Guanosine Protects Against Traumatic Brain Injury-Induced Functional Impairments and Neuronal Loss by Modulating Excitotoxicity, Mitochondrial Dysfunction, and Inflammation. <i>Molecular Neurobiology</i> , <b>2017</b> , 54, 7585-7596	6.2	24
262	The protective effect of melatonin against brain oxidative stress and hyperlocomotion in a rat model of mania induced by ouabain. <i>Behavioural Brain Research</i> , <b>2014</b> , 271, 316-24	3.4	24
261	Evidence for the involvement of $\mu$ -opioid and $\delta$ -opioid receptors in the antinociceptive effect caused by oral administration of m-trifluoromethyl-diphenyl diselenide in mice. <i>Behavioural Pharmacology</i> , <b>2010</b> , 21, 621-6	2.4	24
260	Diphenyl diselenide prevents oxidative damage induced by cigarette smoke exposure in lung of rat pups. <i>Toxicology</i> , <b>2007</b> , 230, 189-96	4.4	24
259	Diphenyl diselenide elicits antidepressant-like activity in rats exposed to monosodium glutamate: A contribution of serotonin uptake and Na(+), K(+)-ATPase activity. <i>Behavioural Brain Research</i> , <b>2016</b> , 301, 161-7	3.4	23
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257	The peroxisome proliferator-activated receptor- $\gamma$ agonist pioglitazone protects against cisplatin-induced renal damage in mice. <i>Journal of Applied Toxicology</i> , <b>2014</b> , 34, 25-32	4.1	23
256	Involvement of GABAergic and glutamatergic systems in the anticonvulsant activity of 3-alkynyl selenophene in 21 day-old rats. <i>Molecular and Cellular Biochemistry</i> , <b>2012</b> , 365, 175-80	4.2	23
255	2-Phenylethynyl-butyltellurium enhances learning and memory impaired by scopolamine in mice. <i>Behavioural Pharmacology</i> , <b>2013</b> , 24, 249-54	2.4	23
254	Iron(III) Chloride/Diorganoyl Diselenides-Promoted Regioselective Cyclization of Alkynyl Aryl Ketones: Synthesis of 3-Organoselenyl Chromenones under Ambient Atmosphere. <i>Advanced Synthesis and Catalysis</i> , <b>2011</b> , 353, 2042-2050	5.6	23
253	Hypolipidaemic activity of orally administered diphenyl diselenide in Triton WR-1339-induced hyperlipidaemia in mice. <i>Journal of Pharmacy and Pharmacology</i> , <b>2010</b> , 61, 1673-1679	4.8	23

252	Stereoselective preparation of conjugated E-enynes from E-vinyl tellurides and terminal alkynes via Sonogashira cross-coupling. <i>Organic and Biomolecular Chemistry</i> , <b>2004</b> , 2, 803-5	3.9	23
251	Inhibitory effect of ebselen on cerebral acetylcholinesterase activity in vitro: kinetics and reversibility of inhibition. <i>Current Pharmaceutical Design</i> , <b>2015</b> , 21, 920-4	3.3	23
250	Involvement of BDNF/TrkB signaling in the effect of diphenyl diselenide on motor function in a Parkinson's disease rat model. <i>European Journal of Pharmacology</i> , <b>2017</b> , 795, 28-35	5.3	22
249	Diphenyl diselenide regulates Nrf2/Keap-1 signaling pathway and counteracts hepatic oxidative stress induced by bisphenol A in male mice. <i>Environmental Research</i> , <b>2018</b> , 164, 280-287	7.9	22
248	Diphenyl diselenide in vitro and in vivo activity against the oomycete <i>Pythium insidiosum</i> . <i>Veterinary Microbiology</i> , <b>2012</b> , 156, 222-6	3.3	22
247	p,p'-Methoxy-diphenyl diselenide protects against amyloid- $\beta$ -induced cytotoxicity in vitro and improves memory deficits in vivo. <i>Behavioural Brain Research</i> , <b>2013</b> , 247, 241-7	3.4	22
246	Correlations between behavioural and oxidative parameters in a rat quinolinic acid model of Huntington's disease: protective effect of melatonin. <i>European Journal of Pharmacology</i> , <b>2013</b> , 701, 65-72	5.3	22
245	2,2'-Dithienyl diselenide, an organoselenium compound, elicits antioxidant action and inhibits monoamine oxidase activity in vitro. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2013</b> , 28, 677-84	5.6	22
244	Highly Stereoselective One-Pot Procedure to Prepare Unsymmetrical Bis- and Tris-chalcogenide Alkenes via Addition of Chalcogens to Alkynes. <i>Organometallics</i> , <b>2007</b> , 26, 4252-4256	3.8	22
243	Ebselen and diphenyl diselenide do not change the inhibitory effect of lead acetate on delta-aminolevulinate dehydratase. <i>Environmental Toxicology and Pharmacology</i> , <b>2005</b> , 19, 239-48	5.8	22
242	Hemolytic effects of sodium selenite and mercuric chloride in human blood. <i>Drug and Chemical Toxicology</i> , <b>2005</b> , 28, 397-407	2.3	22
241	Palladium-catalyzed cross-coupling of 2-haloselenophene with terminal alkynes in the absence of additive. <i>Tetrahedron Letters</i> , <b>2006</b> , 47, 2179-2182	2	22
240	High sucrose consumption potentiates the sub-acute cadmium effect on Na <sup>+</sup> /K <sup>+</sup> -ATPase but not on delta-aminolevulinate dehydratase in mice. <i>Toxicology Letters</i> , <b>2004</b> , 153, 333-41	4.4	22
239	Delta-aminolevulinate dehydratase inhibition by phenyl selenoacetylene: effect of reaction with hydrogen peroxide. <i>Basic and Clinical Pharmacology and Toxicology</i> , <b>2002</b> , 90, 214-9		22
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236	Diphenyl diselenide protects against glycerol-induced renal damage in rats. <i>Journal of Applied Toxicology</i> , <b>2009</b> , 29, 612-8	4.1	21
235	Protective effect of binaphthyl diselenide, a synthetic organoselenium compound, on 2-nitropropane-induced hepatotoxicity in rats. <i>Cell Biochemistry and Function</i> , <b>2010</b> , 28, 258-65	4.2	21

234	Spinal mechanisms of antinociceptive effect caused by oral administration of bis-selenide in mice. <i>Brain Research</i> , <b>2008</b> , 1231, 25-33	3.7	21
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232	Synthesis of polyacetylenic acids isolated from <i>Nanodea muscosa</i> . <i>Tetrahedron Letters</i> , <b>2005</b> , 46, 8761-8764	3.6	21
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230	Diphenyl diselenide supplemented diet reduces depressive-like behavior in hypothyroid female rats. <i>Physiology and Behavior</i> , <b>2014</b> , 124, 116-22	3.5	20
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226	pH-dependent Fe (II) pathophysiology and protective effect of an organoselenium compound. <i>FEBS Letters</i> , <b>2009</b> , 583, 1011-6	3.8	20
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223	Diphenyl diselenide protects against hematological and immunological alterations induced by mercury in mice. <i>Journal of Biochemical and Molecular Toxicology</i> , <b>2008</b> , 22, 311-9	3.4	20
222	Diphenyl diselenide and 2,3-dimercaptopropanol increase the PTZ-induced chemical seizure and mortality in mice. <i>Brain Research Bulletin</i> , <b>2006</b> , 68, 414-8	3.9	20
221	Exposure of mothers to diphenyl ditelluride during the suckling period changes behavioral tendencies in their offspring. <i>Brain Research Bulletin</i> , <b>2006</b> , 69, 311-7	3.9	20
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217	Chronic administration of methylmalonate on young rats alters neuroinflammatory markers and spatial memory. <i>Immunobiology</i> , <b>2013</b> , 218, 1175-83	3.4	19

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215	Neuroprotective effect caused by MPEP, an antagonist of metabotropic glutamate receptor mGluR5, on seizures induced by pilocarpine in 21-day-old rats. <i>Brain Research</i> , <b>2008</b> , 1198, 197-203	3.7	19
214	Spinal mechanisms of antinociceptive action caused by diphenyl diselenide. <i>Brain Research</i> , <b>2007</b> , 1162, 32-7	3.7	19
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211	Ebselen inhibits the activity of acetylcholinesterase globular isoform G4 in vitro and attenuates scopolamine-induced amnesia in mice. <i>Journal of Cellular Biochemistry</i> , <b>2018</b> , 119, 5598-5608	4.7	18
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207	p-Chloro-diphenyl diselenide, an organoselenium compound, with antidepressant-like and memory enhancer actions in aging male rats. <i>Biogerontology</i> , <b>2012</b> , 13, 237-49	4.5	18
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204	3-Iodoselenophene derivatives: a versatile substrate for Negishi cross-coupling reaction. <i>Tetrahedron Letters</i> , <b>2008</b> , 49, 538-542	2	18
203	7-Fluoro-1,3-diphenylisoquinoline-1-amine abolishes depressive-like behavior and prefrontal cortical oxidative damage induced by acute restraint stress in mice. <i>Physiology and Behavior</i> , <b>2015</b> , 149, 294-302	3.5	17
202	Guanosine Attenuates Behavioral Deficits After Traumatic Brain Injury by Modulation of Adenosinergic Receptors. <i>Molecular Neurobiology</i> , <b>2019</b> , 56, 3145-3158	6.2	17
201	Synthesis of pharmacologically active 1-amino-isoquinolines prepared via silver triflate-catalyzed cyclization of o-alkynylbenzaloximes with isocyanates. <i>European Journal of Pharmaceutical Sciences</i> , <b>2014</b> , 51, 196-203	5.1	17
200	Acute creatine administration improves mitochondrial membrane potential and protects against pentylene-tetrazol-induced seizures. <i>Amino Acids</i> , <b>2013</b> , 44, 857-68	3.5	17
199	Repeated malathion exposure induces behavioral impairment and AChE activity inhibition in brains of rat pups. <i>Ecotoxicology and Environmental Safety</i> , <b>2011</b> , 74, 2310-5	7	17

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177	Delta-aminolevulinate dehydratase (delta-ALA-D) activity in diabetes and hypothyroidism. <i>Clinical Biochemistry</i> , <b>2007</b> , 40, 321-5	3.5	16
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157	Effects of diphenyl diselenide on lipid profile and hepatic oxidative stress parameters in ovariectomized female rats. <i>Journal of Pharmacy and Pharmacology</i> , <b>2011</b> , 63, 663-9	4.8	14
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155	Toxicological investigation and antinociceptive property of potassium thiophene-3-trifluoroborate. <i>Basic and Clinical Pharmacology and Toxicology</i> , <b>2009</b> , 104, 448-54	3.1	14
154	Concomitant administration of sodium 2,3-dimercapto-1-propanesulphonate (DMPS) and diphenyl diselenide reduces effectiveness of DMPS in restoring damage induced by mercuric chloride in mice. <i>Food and Chemical Toxicology</i> , <b>2009</b> , 47, 1771-8	4.7	14
153	Toxicological evaluation of subchronic exposure to diphenyl diselenide in rats. <i>Journal of Applied Toxicology</i> , <b>2008</b> , 28, 638-44	4.1	14
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150	Molecular effects of diphenyl diselenide on cholesterol and glucose cell metabolism. <i>Current Medicinal Chemistry</i> , <b>2013</b> , 20, 4426-34	4.3	14
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146	Sun-drying diminishes the antioxidative potentials of leaves of <i>Eugenia uniflora</i> against formation of thiobarbituric acid reactive substances induced in homogenates of rat brain and liver. <i>Experimental and Toxicologic Pathology</i> , <b>2008</b> , 60, 365-71		13
145	Diphenyl diselenide changes behavior in female pups. <i>Neurotoxicology and Teratology</i> , <b>2006</b> , 28, 607-16	3.9	13

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143	DMPS and N-acetylcysteine induced renal toxicity in mice exposed to mercury. <i>BioMetals</i> , <b>2006</b> , 19, 389-94	3.4	13
142	2,5-Bis-(butyltelluro) thiophene as a convenient precursor for the synthesis of 2,5-bis-(acetylenic) thiophenes. <i>Tetrahedron Letters</i> , <b>2003</b> , 44, 685-688	2	13
141	Enhanced pharmacological actions of p,p'-methoxyl-diphenyl diselenide-loaded polymeric nanocapsules in a mouse model of neuropathic pain: Behavioral and molecular insights. <i>Journal of Trace Elements in Medicine and Biology</i> , <b>2018</b> , 46, 17-25	4.1	13
140	(p-ClPhSe) Reduces Hepatotoxicity Induced by Monosodium Glutamate by Improving Mitochondrial Function in Rats. <i>Journal of Cellular Biochemistry</i> , <b>2017</b> , 118, 2877-2886	4.7	12
139	Selective inhibition of MAO-A activity results in an antidepressant-like action of 2-benzoyl 4-iodoselenophene in mice. <i>Physiology and Behavior</i> , <b>2017</b> , 170, 100-105	3.5	12
138	Diphenyl diselenide-loaded nanocapsules: preparation and biological distribution. <i>Applied Biochemistry and Biotechnology</i> , <b>2014</b> , 172, 755-66	3.2	12
137	p-Methoxyl-diphenyl diselenide protects against cisplatin-induced renal toxicity in mice. <i>Food and Chemical Toxicology</i> , <b>2012</b> , 50, 1187-93	4.7	12
136	Ethanol-induced oxidative stress: the role of binaphthyl diselenide as a potent antioxidant. <i>Biological Trace Element Research</i> , <b>2012</b> , 147, 309-14	4.5	12
135	Involvement of potassium channels in the antidepressant-like effect of venlafaxine in mice. <i>Life Sciences</i> , <b>2010</b> , 86, 372-6	6.8	12
134	Influence of pH on the reactivity of diphenyl ditelluride with thiols and anti-oxidant potential in rat brain. <i>Chemico-Biological Interactions</i> , <b>2009</b> , 180, 47-53	5	12
133	Oral administration of diphenyl diselenide potentiates hepatotoxicity induced by carbon tetrachloride in rats. <i>Journal of Applied Toxicology</i> , <b>2009</b> , 29, 156-64	4.1	12
132	Effects of acidosis and Fe (II) on lipid peroxidation in phospholipid extract: Comparative effect of diphenyl diselenide and ebselen. <i>Environmental Toxicology and Pharmacology</i> , <b>2009</b> , 28, 152-4	5.8	12
131	Mechanisms involved in the antinociceptive effect caused by diphenyl diselenide in the formalin test. <i>Journal of Pharmacy and Pharmacology</i> , <b>2010</b> , 60, 1679-1686	4.8	12
130	Effects of undernutrition on glutamatergic parameters in the cerebral cortex of young rats. <i>Physiology and Behavior</i> , <b>2008</b> , 94, 580-5	3.5	12
129	1,1,2-Tris-organoselenide alkene derivatives, but not 1,2-bis-organoselenide alkene derivatives, inhibited delta-aminolevulinic acid dehydratase activity from human erythrocytic cells in vitro. <i>Toxicology in Vitro</i> , <b>2007</b> , 21, 387-91	3.6	12
128	Changes in [(3)H]-glutamate uptake into platelets from patients with bipolar I disorder. <i>Psychiatry Research</i> , <b>2006</b> , 141, 343-7	9.9	12
127	BAL modulates glutamate transport in synaptosomes and synaptic vesicles from rat brain. <i>NeuroReport</i> , <b>2001</b> , 12, 511-4	1.7	12

126	p-Chloro-diphenyl diselenide reverses memory impairment-related to stress caused by corticosterone and modulates hippocampal [(3)H]glutamate uptake in mice. <i>Physiology and Behavior</i> , <b>2016</b> , 164, 25-33	3.5	12
125	Contribution of NMDA, GABAA and GABAB receptors and l-arginine-NO-cGMP, MEK1/2 and CaMK-II pathways in the antidepressant-like effect of 7-fluoro-1,3-diphenylisoquinoline-1-amine in mice. <i>European Journal of Pharmacology</i> , <b>2016</b> , 782, 6-13	5.3	12
124	Xanthan gum-based hydrogel containing nanocapsules for cutaneous diphenyl diselenide delivery in melanoma therapy. <i>Investigational New Drugs</i> , <b>2020</b> , 38, 662-674	4.3	12
123	Bis(phenylimidazoselenazoly) diselenide as an antioxidant compound: An in vitro and in vivo study. <i>Chemico-Biological Interactions</i> , <b>2015</b> , 233, 14-24	5	11
122	m-Trifluoromethyl-diphenyl Diselenide Regulates Prefrontal Cortical MOR and KOR Protein Levels and Abolishes the Phenotype Induced by Repeated Forced Swim Stress in Mice. <i>Molecular Neurobiology</i> , <b>2018</b> , 55, 8991-9000	6.2	11
121	Diphenyl Diselenide Reduces Oxidative Stress and Toxicity Caused by HSV-2 Infection in Mice. <i>Journal of Cellular Biochemistry</i> , <b>2017</b> , 118, 1028-1037	4.7	11
120	Diphenyl diselenide attenuates hepatic and hematologic toxicity induced by chlorpyrifos acute exposure in rats. <i>Environmental Science and Pollution Research</i> , <b>2012</b> , 19, 3481-90	5.1	11
119	Hyperthermic seizures enhance responsiveness to pentylene-tetrazole and induce cognitive dysfunction: protective effect of 3-alkynyl selenophene. <i>Life Sciences</i> , <b>2012</b> , 90, 666-72	6.8	11
118	Ebselen reduces hyperglycemia temporarily-induced by diazinon: a compound with insulin-mimetic properties. <i>Chemico-Biological Interactions</i> , <b>2012</b> , 197, 80-6	5	11
117	2-Phenylethynyl-butyltellurium attenuates amyloid- $\beta$ peptide(25-35)-induced learning and memory impairments in mice. <i>Journal of Neuroscience Research</i> , <b>2013</b> , 91, 848-53	4.4	11
116	Disubstituted diaryl diselenides inhibit delta-ALA-D and Na <sup>+</sup> , K <sup>+</sup> -ATPase activities in rat brain homogenates in vitro. <i>Molecular and Cellular Biochemistry</i> , <b>2009</b> , 332, 17-24	4.2	11
115	Involvement of non-enzymatic antioxidant defenses in the protective effect of diphenyl diselenide on testicular damage induced by cadmium in mice. <i>Journal of Trace Elements in Medicine and Biology</i> , <b>2009</b> , 23, 324-33	4.1	11
114	Diphenyl diselenide ameliorates cognitive deficits induced by a model of menopause in rats. <i>Behavioural Pharmacology</i> , <b>2012</b> , 23, 98-104	2.4	11
113	Plasmatic vitamin C in nontreated hepatitis C patients is negatively associated with aspartate aminotransferase. <i>Liver International</i> , <b>2008</b> , 28, 54-60	7.9	11
112	Characterization of ATP and ADP hydrolysis activity in rat gastric mucosa. <i>Cell Biology International</i> , <b>2005</b> , 29, 559-66	4.5	11
111	Increased xanthine oxidase-related ROS production and TRPV1 synthesis preceding DOMS post-eccentric exercise in rats. <i>Life Sciences</i> , <b>2016</b> , 152, 52-9	6.8	11
110	4-Organoseleno-Isoquinolines Selectively and Reversibly Inhibit the Cerebral Monoamine Oxidase B Activity. <i>Journal of Molecular Neuroscience</i> , <b>2016</b> , 59, 135-45	3.3	11
109	Monosodium glutamate induced nociception and oxidative stress dependent on time of administration, age of rats and susceptibility of spinal cord and brain regions. <i>Toxicology and Applied Pharmacology</i> , <b>2018</b> , 351, 64-73	4.6	11

108	Resistance exercise reduces memory impairment induced by monosodium glutamate in male and female rats. <i>Experimental Physiology</i> , <b>2017</b> , 102, 845-853	2.4	10
107	Antitumor action of diphenyl diselenide nanocapsules: In vitro assessments and preclinical evidence in an animal model of glioblastoma multiforme. <i>Journal of Trace Elements in Medicine and Biology</i> , <b>2019</b> , 55, 180-189	4.1	10
106	Acute treatment with bis selenide, an organic compound containing the trace element selenium, prevents memory deficits induced by reserpine in rats. <i>Biological Trace Element Research</i> , <b>2013</b> , 151, 92-9	4.5	10
105	Neuroprotective Benefits of Aerobic Exercise and Organoselenium Dietary Supplementation in Hippocampus of Old Rats. <i>Molecular Neurobiology</i> , <b>2018</b> , 55, 3832-3840	6.2	10
104	(p-ClPhSe) stimulates carbohydrate metabolism and reverses the metabolic alterations induced by high fructose load in rats. <i>Food and Chemical Toxicology</i> , <b>2017</b> , 107, 122-128	4.7	10
103	Trypanosoma evansi infection impairs memory, increases anxiety behaviour and alters neurochemical parameters in rats. <i>Parasitology</i> , <b>2013</b> , 140, 1432-41	2.7	10
102	Diphenyl diselenide potentiates nephrotoxicity induced by mercuric chloride in mice. <i>Journal of Applied Toxicology</i> , <b>2011</b> , 31, 773-82	4.1	10
101	Hesperidin Ameliorates Anxiety-Depressive-Like Behavior in 6-OHDA Model of Parkinson's Disease by Regulating Striatal Cytokine and Neurotrophic Factors Levels and Dopaminergic Innervation Loss in the Striatum of Mice. <i>Molecular Neurobiology</i> , <b>2020</b> , 57, 3027-3041	6.2	10
100	m-Trifluoromethyl-diphenyl diselenide (m-CF-PhSe) modulates the hippocampal neurotoxic adaptations and abolishes a depressive-like phenotype in a short-term morphine withdrawal in mice. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>2020</b> , 98, 109803	5.5	10
99	4,4'-Dichlorodiphenyl diselenide reverses a depressive-like phenotype, modulates prefrontal cortical oxidative stress and dysregulated glutamatergic neurotransmission induced by subchronic dexamethasone exposure to mice. <i>Journal of Psychiatric Research</i> , <b>2019</b> , 116, 61-68	5.2	9
98	p,p'-Methoxy-diphenyl diselenide prevents neurodegeneration and glial cell activation induced by streptozotocin in rats. <i>Journal of Alzheimer's Disease</i> , <b>2013</b> , 33, 133-44	4.3	9
97	Diphenyl diselenide induces anxiolytic-like and sedative effects on the chick social separation-stress behavior. <i>Neuroscience Letters</i> , <b>2011</b> , 495, 140-3	3.3	9
96	Evidence of the involvement of K <sup>+</sup> channels and PPAR $\gamma$ receptors in the antidepressant-like activity of diphenyl diselenide in mice. <i>Journal of Pharmacy and Pharmacology</i> , <b>2010</b> , 62, 1121-7	4.8	9
95	Evidence for the involvement of glutamatergic and neurokinin 1 receptors in the antinociception elicited by tramadol in mice. <i>Pharmacology</i> , <b>2010</b> , 85, 36-40	2.3	9
94	Disubstituted diaryl diselenides inhibit [3H]-serotonin uptake in rats. <i>Neurotoxicity Research</i> , <b>2009</b> , 15, 57-61	4.3	9
93	Chronic treatment with fluphenazine alters parameters of oxidative stress in liver and kidney of rats. <i>Basic and Clinical Pharmacology and Toxicology</i> , <b>2009</b> , 105, 51-7	3.1	9
92	Synthesis of $\alpha$ -hydroxy- $\beta$ -alkyl/aryl- $\gamma$ -organo-selenium and $\gamma$ -organo-tellurium: a new class of organochalcogen compounds with antinociceptive activity. <i>Tetrahedron Letters</i> , <b>2008</b> , 49, 3252-3256	2	9
91	7-Fluoro-1,3-diphenylisoquinoline reverses motor and non-motor symptoms induced by MPTP in mice: Role of striatal neuroinflammation. <i>European Journal of Pharmacology</i> , <b>2018</b> , 819, 129-135	5.3	9

90	Combined Therapy With Swimming Exercise and a Diet Supplemented With Diphenyl Diselenide Is Effective Against Age-Related Changes in the Hepatic Metabolism of Rats. <i>Journal of Cellular Biochemistry</i> , <b>2017</b> , 118, 1574-1582	4.7	8
89	Hypothalamic pathways regulate the anorectic action of p-chloro-diphenyl diselenide in rats. <i>European Journal of Pharmacology</i> , <b>2017</b> , 815, 241-250	5.3	8
88	Involvement of the serotonergic system in the anxiolytic-like effect of 2-phenylethynyl butyltellurium in mice. <i>Behavioural Brain Research</i> , <b>2015</b> , 277, 221-7	3.4	8
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86	Brain-derived neurotrophic factor signaling plays a role in resilience to stress promoted by isoquinoline in defeated mice. <i>Journal of Psychiatric Research</i> , <b>2017</b> , 94, 78-87	5.2	8
85	Ebselen exhibits glycation-inhibiting properties and protects against osmotic fragility of human erythrocytes in vitro. <i>Cell Biology International</i> , <b>2014</b> , 38, 625-30	4.5	8
84	(E)-2-benzylidene-4-phenyl-1,3-diselenole ameliorates signals of renal injury induced by cisplatin in rats. <i>Journal of Applied Toxicology</i> , <b>2014</b> , 34, 87-94	4.1	8
83	Protective effect of 2,2-dithienyl diselenide on kainic acid-induced neurotoxicity in rat hippocampus. <i>Neuroscience</i> , <b>2011</b> , 193, 300-9	3.9	8
82	Palladium-Catalyzed Carbonylation of 2-Haloselenophenes: Synthesis of Selenophene-2-carboxamides, Selenophene-2,5-dicarboxamides and N,N'-Bridged Selenophene-2-carboxamides. <i>European Journal of Organic Chemistry</i> , <b>2007</b> , 2007, 5422-5428	3.2	8
81	Repeated administration of diphenyl diselenide to pregnant rats induces adverse effects on embryonic/fetal development. <i>Reproductive Toxicology</i> , <b>2007</b> , 23, 175-81	3.4	8
80	Mechanism of delta-aminolevulinic acid dehydratase inhibition by phenyl selenoacetylene involves its conversion to diphenyl diselenide. <i>Toxicology</i> , <b>2005</b> , 206, 403-11	4.4	8
79	7-Fluoro-1,3-diphenylisoquinoline-1-amine reverses the reduction in self-care behavior induced by maternal separation stress in rats by modulating glutamatergic/GABAergic systems. <i>Journal of Psychiatric Research</i> , <b>2017</b> , 89, 28-37	5.2	7
78	(p-ClPhSe) modulates hippocampal BDNF/TrkB signaling and reverses memory impairment induced by diabetes in mice. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>2019</b> , 94, 109660	5.5	7
77	Resistance training restores metabolic alterations induced by monosodium glutamate in a sex-dependent manner in male and female rats. <i>Journal of Cellular Biochemistry</i> , <b>2019</b> , 120, 13426-13440	4.7	7
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75	Ebselen reversed peripheral oxidative stress induced by a mouse model of sporadic Alzheimer's disease. <i>Molecular Biology Reports</i> , <b>2020</b> , 47, 2205-2215	2.8	7
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72	Cognitive effects of diphenyl diselenide and estradiol treatments in ovariectomized mice. <i>Neurobiology of Learning and Memory</i> , <b>2013</b> , 99, 17-24	3.1	7
71	Diphenyl ditelluride induces neurotoxicity and impairment of developmental behavioral in rat pups. <i>Journal of the Brazilian Chemical Society</i> , <b>2010</b> , 21, 2130-2137	1.5	7
70	Association between diphenyl diselenide and cadmium chloride attenuates the toxicity of both in tissues of mice in vitro. <i>Toxicology in Vitro</i> , <b>2010</b> , 24, 1736-42	3.6	7
69	Effect of a metabotropic glutamate receptor 5 antagonist, MPEP, on the nociceptive response induced by intrathecal injection of excitatory aminoacids, substance P, bradykinin or cytokines in mice. <i>Pharmacology Biochemistry and Behavior</i> , <b>2008</b> , 90, 608-13	3.9	7
68	Keap1/Nrf2/HO-1 signaling pathway contributes to p-chlorodiphenyl diselenide antidepressant-like action in diabetic mice. <i>Psychopharmacology</i> , <b>2020</b> , 237, 363-374	4.7	7
67	Zebrafish exposure to diphenyl diselenide-loaded polymeric nanocapsules caused no behavioral impairments and brain oxidative stress. <i>Journal of Trace Elements in Medicine and Biology</i> , <b>2019</b> , 53, 62-68	4.1	6
66	Diphenyl ditelluride induces angiogenic-like behavior in rats by reducing glutamate uptake. <i>Biological Trace Element Research</i> , <b>2014</b> , 158, 392-8	4.5	6
65	High doses of 2,2Rdithienyl diselenide cause systemic toxicity in rats: an in vitro and in vivo study. <i>Journal of Applied Toxicology</i> , <b>2013</b> , 33, 480-7	4.1	6
64	Involvement of mGlu5 receptor in 3-nitropropionic acid-induced oxidative stress in rat striatum. <i>Neurological Research</i> , <b>2014</b> , 36, 833-40	2.7	6
63	Role of different types of potassium channels and peroxisome proliferator-activated receptors in the antidepressant-like activity of bis selenide in the mouse tail suspension test. <i>Neuroscience Letters</i> , <b>2011</b> , 490, 205-8	3.3	6
62	Antioxidant effect of functionalized alkyl-organotellurides: a study in vitro. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2010</b> , 25, 467-75	5.6	6
61	Dexmedetomidine protects blood ̢-aminolevulinate dehydratase from inactivation caused by hyperoxygenation in total intravenous anesthesia. <i>Human and Experimental Toxicology</i> , <b>2011</b> , 30, 289-95	3.4	6
60	Fe(II) and sodium nitroprusside induce oxidative stress: a comparative study of diphenyl diselenide and diphenyl ditelluride with their naphthyl analog. <i>Drug and Chemical Toxicology</i> , <b>2012</b> , 35, 48-56	2.3	6
59	Methyl phenyl selenide causes heme biosynthesis impairment and its toxicity is not modified by dimethyl sulfoxide in vivo. <i>Drug and Chemical Toxicology</i> , <b>2004</b> , 27, 331-40	2.3	6
58	Oxidation of delta-ALA-D and DTT mediated by ascorbic acid: modulation by buffers depends on free iron. <i>Biological and Pharmaceutical Bulletin</i> , <b>2005</b> , 28, 1485-9	2.3	6
57	Involvement of kynurenine pathway in depressive-like behaviour induced by nandrolone decanoate in mice. <i>Steroids</i> , <b>2020</b> , 164, 108727	2.8	6
56	Diphenyl diselenide and its interaction with antifungals against <i>Aspergillus</i> spp. <i>Medical Mycology</i> , <b>2020</b> ,	3.9	6
55	Memory impairment and depressive-like phenotype are accompanied by downregulation of hippocampal insulin and BDNF signaling pathways in prediabetic mice. <i>Physiology and Behavior</i> , <b>2021</b> , 237, 113346	3.5	6



54	Diphenyl diselenide is as effective as Ebselen in a juvenile rat model of cisplatin-induced nephrotoxicity. <i>Journal of Trace Elements in Medicine and Biology</i> , <b>2020</b> , 60, 126482	4.1	5
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52	ΔAminolevulinate Dehydratase Activity is Stimulated in a MPTP Mouse Model of Parkinson's Disease: Correlation with Myeloperoxidase Activity. <i>Cellular and Molecular Neurobiology</i> , <b>2017</b> , 37, 911-917	4.6	5
51	Diphenyl diselenide protects against metabolic disorders induced by acephate acute exposure in rats. <i>Environmental Toxicology</i> , <b>2014</b> , 29, 665-71	4.2	5
50	Inhibition of hepatic Δaminolevulinate dehydratase activity induced by mercuric chloride is potentiated by N-acetylcysteine in vitro. <i>Food and Chemical Toxicology</i> , <b>2011</b> , 49, 305-8	4.7	5
49	Adult male rats sub-chronically exposed to diphenyl diselenide: Effects on their progeny. <i>Reproductive Toxicology</i> , <b>2007</b> , 23, 119-23	3.4	5
48	Effect of undernutrition on GMP-PNP binding and adenylate cyclase activity from rat brain. <i>Cellular and Molecular Neurobiology</i> , <b>2002</b> , 22, 365-72	4.6	5
47	The hypolipidemic action of a diet supplemented with p,pMethoxyl-diphenyl diselenide is not directly related to its antioxidant property. <i>Canadian Journal of Physiology and Pharmacology</i> , <b>2016</b> , 94, 662-8	2.4	5
46	Dopaminergic system contribution to the antidepressant-like effect of 3-phenyl-4-(phenylseleno) isoquinoline in mice. <i>Behavioural Brain Research</i> , <b>2020</b> , 386, 112602	3.4	4
45	Effects of diphenyl diselenide and diphenyl ditelluride on chicken embryo development. <i>Toxicology Mechanisms and Methods</i> , <b>2013</b> , 23, 660-4	3.6	4
44	m-Trifluoromethyl diphenyl diselenide attenuates glutaric acid-induced seizures and oxidative stress in rat pups: involvement of the Δaminobutyric acidergic system. <i>Journal of Neuroscience Research</i> , <b>2012</b> , 90, 1723-31	4.4	4
43	Antioxidant activity and low toxicity of (E)-1-(1-(methylthio)-1-(selenophenyl) hept-1-en-2-yl) pyrrolidin-2-one. <i>Cell Biology and Toxicology</i> , <b>2012</b> , 28, 213-23	7.4	4
42	Organoselenium and organotellurium compounds: Toxicology and pharmacology <b>2011</b> ,		4
41	Acute exposure to diphenyl ditelluride causes oxidative damage in rat lungs. <i>Ecotoxicology and Environmental Safety</i> , <b>2011</b> , 74, 521-6	7	4
40	The role of the glutathione system in seizures induced by diphenyl diselenide in rat pups. <i>Chemico-Biological Interactions</i> , <b>2011</b> , 193, 65-70	5	4
39	Comparison of the antioxidant properties and the toxicity of p,pDichlorodiphenyl ditelluride with the parent compound, diphenyl ditelluride. <i>Biological Trace Element Research</i> , <b>2011</b> , 139, 204-16	4.5	4
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37	Diphenyl ditelluride effect on embryo/fetal development in mice: interspecies differences. <i>Toxicology</i> , <b>2007</b> , 231, 243-9	4.4	4

36	Ontogenetic study of the effects of energetic nutrients on amino acid metabolism of rat cerebral cortex. <i>Neurochemical Research</i> , <b>2002</b> , 27, 513-8	4.6	4
35	Heat stress on oocyte or zygote compromises embryo development, impairs interferon tau production and increases reactive oxygen species and oxidative stress in bovine embryos produced in vitro. <i>Molecular Reproduction and Development</i> , <b>2020</b> , 87, 899-909	2.6	4
34	Pattern differences between newborn and adult rats in cisplatin-induced hepatorenal toxicity. <i>Chemico-Biological Interactions</i> , <b>2018</b> , 294, 65-73	5	3
33	Effectiveness of bis(phenylimidazoselenazoly) diselenide on a mouse model of inflammatory nociception. <i>Biomedicine and Pharmacotherapy</i> , <b>2017</b> , 96, 56-63	7.5	3
32	Diphenyl diselenide-induced seizures in rat pups: possible interaction with GABAergic system. <i>Neurological Research</i> , <b>2010</b> , 32, 1002-8	2.7	3
31	Sub-chronic exposure of adult male rats to diphenyl ditelluride did not affect the development of their progeny. <i>Food and Chemical Toxicology</i> , <b>2007</b> , 45, 859-62	4.7	3
30	Characterization of imido [8-(3)H] guanosine 5Rtriphosphate binding sites to rat brain membranes. <i>Neurochemical Research</i> , <b>2004</b> , 29, 805-9	4.6	3
29	Mechanisms involved in the antinociceptive effect caused by diphenyl diselenide in the formalin test. <i>Journal of Pharmacy and Pharmacology</i> , <b>2008</b> , 60, 1679-86	4.8	3
28	Mechanisms involved in the antinociceptive and anti-inflammatory effects of bis selenide in mice. <i>Journal of Pharmacy and Pharmacology</i> , <b>2009</b> , 61, 623-30	4.8	3
27	Strength exercise suppresses STZ-induced spatial memory impairment and modulates BDNF/ERK-CAMKII/CREB signalling pathway in the hippocampus of mice. <i>Cell Biochemistry and Function</i> , <b>2020</b> , 38, 213-221	4.2	2
26	Addition of butoxycarbonyl group to phenylalanine derived chalcogenide increases the toxic potential: importance of non-bonding nitrogen interaction. <i>Chemico-Biological Interactions</i> , <b>2014</b> , 207, 24-5	5	2
25	An in vivo insight to the toxicological profile of various organotellurides. <i>Environmental Toxicology and Pharmacology</i> , <b>2013</b> , 36, 813-8	5.8	2
24	Sulfhydryl-Based Inhibition of $\text{[ALA-D]}$ and $\text{Na}^+$ , $\text{K}^+$ -ATPase Activities Depends on the Organoselenium Group Bonded to the Isoquinoline. <i>Journal of Cellular Biochemistry</i> , <b>2017</b> , 118, 1144-1150	4.7	2
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22	2,3-Dimercaptopropanol, 2,3-dimercaptopropane-1-sulfonic acid and meso-2,3-dimercaptosuccinic acid acute administration differentially change biochemical parameters in mice. <i>Basic and Clinical Pharmacology and Toxicology</i> , <b>2005</b> , 96, 331-4	3.1	2
21	Females are more susceptible than male mice to thermal hypernociceptive behavior induced by early-life bisphenol-A exposure: Effectiveness of diphenyl diselenide. <i>European Journal of Pharmacology</i> , <b>2020</b> , 879, 173156	5.3	2
20	Beneficial effects of QTC-4-MeOBnE in an LPS-induced mouse model of depression and cognitive impairments: The role of blood-brain barrier permeability, $\text{NF-}\kappa\text{B}$ signaling, and microglial activation. <i>Brain, Behavior, and Immunity</i> , <b>2022</b> , 99, 177-191	16.6	2
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12	Selective blockade of A(2A) receptor protects against neurotoxicity induced by kainic acid in young rats. <i>Fundamental and Clinical Pharmacology</i> , <b>2012</b> , 26, 495-502	3.1	1
11	Similar hepatoprotective effectiveness of Diphenyl diselenide and Ebselen against cisplatin-induced disruption of metabolic homeostasis and redox balance in juvenile rats. <i>Chemico-Biological Interactions</i> , <b>2020</b> , 330, 109234	5	1
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