

Joao Batista da Rocha

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593
papers

18,546
citations

65
h-index

103
g-index

626
ext. papers

20,356
ext. citations

4.2
avg, IF

6.78
L-index

#	Paper	IF	Citations
593	Organoselenium and organotellurium compounds: toxicology and pharmacology. <i>Chemical Reviews</i> , 2004 , 104, 6255-85	68.1	1405
592	Toxicology and pharmacology of selenium: emphasis on synthetic organoselenium compounds. <i>Archives of Toxicology</i> , 2011 , 85, 1313-59	5.8	355
591	Metals, oxidative stress and neurodegeneration: a focus on iron, manganese and mercury. <i>Neurochemistry International</i> , 2013 , 62, 575-94	4.4	347
590	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> , 2001 , 88, 119-25		344
589	Mechanisms of methylmercury-induced neurotoxicity: evidence from experimental studies. <i>Life Sciences</i> , 2011 , 89, 555-63	6.8	290
588	Oxidative stress in MeHg-induced neurotoxicity. <i>Toxicology and Applied Pharmacology</i> , 2011 , 256, 405-17	4.6	240
587	Krebs cycle intermediates modulate thiobarbituric acid reactive species (TBARS) production in rat brain in vitro. <i>Neurochemical Research</i> , 2005 , 30, 225-35	4.6	235
586	Polyamines reduces lipid peroxidation induced by different pro-oxidant agents. <i>Brain Research</i> , 2004 , 1008, 245-51	3.7	206
585	Anti-inflammatory and antinociceptive activity of diphenyl diselenide. <i>Inflammation Research</i> , 2003 , 52, 56-63	7.2	204
584	Importance of the lipid peroxidation biomarkers and methodological aspects FOR malondialdehyde quantification. <i>Quimica Nova</i> , 2009 , 32, 169-174	1.6	181
583	Diphenyl diselenide a janus-faced molecule. <i>Journal of the Brazilian Chemical Society</i> , 2010 , 21, 2055-2071	1.5	170
582	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, 147-54	4.6	168
581	Methylmercury induces oxidative injury, alterations in permeability and glutamine transport in cultured astrocytes. <i>Brain Research</i> , 2007 , 1131, 1-10	3.7	148
580	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, 973-83	4.6	143
579	Characterization of an ATP diphosphohydrolase (EC 3.6.1.5) in synaptosomes from cerebral cortex of adult rats. <i>Neurochemical Research</i> , 1991 , 16, 1303-10	4.6	136
578	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	3.9	108
577	Effect of treatment with mercury chloride and lead acetate during the second stage of rapid postnatal brain growth on delta-aminolevulinic acid dehydratase (ALA-D) activity in brain, liver, kidney and blood of suckling rats. <i>Toxicology</i> , 1995 , 100, 27-37	4.4	108

576	Biomarkers of mercury toxicity: Past, present, and future trends. <i>Journal of Toxicology and Environmental Health - Part B: Critical Reviews</i> , 2017 , 20, 119-154	8.6	106
575	Effect of perinatal lead exposure on rat behaviour in open-field and two-way avoidance tasks. <i>Basic and Clinical Pharmacology and Toxicology</i> , 1996 , 79, 150-6		106
574	Diphenyl diselenide and diphenyl ditelluride affect the rat glutamatergic system in vitro and in vivo. <i>Brain Research</i> , 2001 , 906, 157-63	3.7	105
573	Association between ischemia-modified albumin, lipids and inflammation biomarkers in patients with hypercholesterolemia. <i>Clinical Biochemistry</i> , 2009 , 42, 666-71	3.5	103
572	Ebselen blocks the quinolinic acid-induced production of thiobarbituric acid reactive species but does not prevent the behavioral alterations produced by intra-striatal quinolinic acid administration in the rat. <i>Neuroscience Letters</i> , 2002 , 318, 137-40	3.3	102
571	Antinociceptive properties of diphenyl diselenide: evidences for the mechanism of action. <i>European Journal of Pharmacology</i> , 2007 , 555, 129-38	5.3	101
570	The methylmercury-L-cysteine conjugate is a substrate for the L-type large neutral amino acid transporter. <i>Journal of Neurochemistry</i> , 2008 , 107, 1083-90	6	100
569	Polyphenols in red pepper [<i>Capsicum annum</i> var. <i>aviculare</i> (Tepin)] and their protective effect on some pro-oxidants induced lipid peroxidation in brain and liver. <i>European Food Research and Technology</i> , 2007 , 225, 239-247	3.4	99
568	Ebselen prevents excitotoxicity provoked by glutamate in rat cerebellar granule neurons. <i>Neuroscience Letters</i> , 2001 , 299, 217-20	3.3	94
567	Diphenyl diselenide reverses cadmium-induced oxidative damage on mice tissues. <i>Chemico-Biological Interactions</i> , 2005 , 151, 159-65	5	93
566	Methylmercury and brain development: A review of recent literature. <i>Journal of Trace Elements in Medicine and Biology</i> , 2016 , 38, 99-107	4.1	92
565	Aminolevulinatase (ALA-D) as marker protein of intoxication with metals and other pro-oxidant situations. <i>Toxicology Research</i> , 2012 , 1, 85	2.6	89
564	New benzodiazepines alter acetylcholinesterase and ATPase activities. <i>Neurochemical Research</i> , 2000 , 25, 949-55	4.6	88
563	Oxidative stress in mice is dependent on the free glucose content of the diet. <i>International Journal of Biochemistry and Cell Biology</i> , 2002 , 34, 1279-85	5.6	85
562	Toxicity of ethylmercury (and Thimerosal): a comparison with methylmercury. <i>Journal of Applied Toxicology</i> , 2013 , 33, 700-11	4.1	84
561	Organoselenium compounds as mimics of selenoproteins and thiol modifier agents. <i>Metallomics</i> , 2017 , 9, 1703-1734	4.5	83
560	Topical anti-inflammatory effect of <i>Caryocar coriaceum</i> Wittm. (Caryocaraceae) fruit pulp fixed oil on mice ear edema induced by different irritant agents. <i>Journal of Ethnopharmacology</i> , 2011 , 136, 504-10	5	82
559	Comparative study on the response of rat primary astrocytes and microglia to methylmercury toxicity. <i>Glia</i> , 2011 , 59, 810-20	9	82

558	Diphenyl diselenide protects rat hippocampal slices submitted to oxygen-glucose deprivation and diminishes inducible nitric oxide synthase immunocentent. <i>Brain Research</i> , 2003 , 986, 196-9	3.7	80
557	New organochalcogen multitarget drug: synthesis and antioxidant and antitumoral activities of chalcogenozidovudine derivatives. <i>Journal of Medicinal Chemistry</i> , 2015 , 58, 3329-39	8.3	77
556	Quercitrin, a glycoside form of quercetin, prevents lipid peroxidation in vitro. <i>Brain Research</i> , 2006 , 1107, 192-8	3.7	77
555	Caffeine prevents disruption of memory consolidation in the inhibitory avoidance and novel object recognition tasks by scopolamine in adult mice. <i>Behavioural Brain Research</i> , 2010 , 214, 254-9	3.4	76
554	Valeriana officinalis attenuates the rotenone-induced toxicity in Drosophila melanogaster. <i>NeuroToxicology</i> , 2013 , 37, 118-26	4.4	75
553	l-Arginine attenuates acute pulmonary embolism-induced oxidative stress and pulmonary hypertension. <i>Nitric Oxide - Biology and Chemistry</i> , 2005 , 12, 9-14	5	75
552	Methylmercury increases glutamate release from brain synaptosomes and glutamate uptake by cortical slices from suckling rat pups: modulatory effect of ebselen. <i>Toxicological Sciences</i> , 2003 , 73, 135-40	4.4	75
551	Ebselen protects against methylmercury-induced inhibition of glutamate uptake by cortical slices from adult mice. <i>Toxicology Letters</i> , 2003 , 144, 351-7	4.4	75
550	Thiophenes and furans derivatives: a new class of potential pharmacological agents. <i>Environmental Toxicology and Pharmacology</i> , 2003 , 15, 37-44	5.8	75
549	A high fat diet inhibits delta-aminolevulinatase dehydratase and increases lipid peroxidation in mice (<i>Mus musculus</i>). <i>Journal of Nutrition</i> , 2003 , 133, 2165-70	4.1	72
548	Maternal milk as methylmercury source for suckling mice: neurotoxic effects involved with the cerebellar glutamatergic system. <i>Toxicological Sciences</i> , 2004 , 81, 172-8	4.4	72
547	Effects of inorganic selenium administration in methylmercury-induced neurotoxicity in mouse cerebral cortex. <i>International Journal of Developmental Neuroscience</i> , 2010 , 28, 631-7	2.7	71
546	The effect of sildenafil on pulmonary embolism-induced oxidative stress and pulmonary hypertension. <i>Anesthesia and Analgesia</i> , 2005 , 101, 115-20, table of contents	3.9	71
545	Antioxidant activities of flavonol derivatives from the leaves and stem bark of <i>Scutia buxifolia</i> Reiss. <i>Bioresource Technology</i> , 2009 , 100, 6592-8	11	70
544	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	5	70
543	Lercanidipine reduces matrix metalloproteinase-9 activity in patients with hypertension. <i>Journal of Cardiovascular Pharmacology</i> , 2006 , 47, 117-22	3.1	70
542	Ebselen attenuates haloperidol-induced orofacial dyskinesia and oxidative stress in rat brain. <i>Pharmacology Biochemistry and Behavior</i> , 2005 , 81, 608-15	3.9	70
541	Involvement of oxidative stress in 4-vinylcyclohexene-induced toxicity in Drosophila melanogaster. <i>Free Radical Biology and Medicine</i> , 2014 , 71, 99-108	7.8	69

540	Methylmercury-induced alterations in astrocyte functions are attenuated by ebselen. <i>NeuroToxicology</i> , 2011 , 32, 291-9	4.4	69
539	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	4.8	68
538	eNOS gene T-786C polymorphism modulates atorvastatin-induced increase in blood nitrite. <i>Free Radical Biology and Medicine</i> , 2006 , 41, 1044-9	7.8	68
537	Cadmium induced testicular damage and its response to administration of succimer and diphenyl diselenide in mice. <i>Toxicology Letters</i> , 2004 , 152, 255-63	4.4	68
536	Chiral diselenide ligands for the asymmetric copper-catalyzed conjugate addition of Grignard reagents to enones. <i>Tetrahedron Letters</i> , 2002 , 43, 7329-7331	2	68
535	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> , 2008 , 88, 418-26	3.9	67
534	In vivo and in vitro inhibition of mice thioredoxin reductase by methylmercury. <i>BioMetals</i> , 2010 , 23, 1171-74	3.7	66
533	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> , 2008 , 32, 1838-43	5.5	66
532	Monoaminergic agents modulate antidepressant-like effect caused by diphenyl diselenide in rats. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2007 , 31, 1261-9	5.5	65
531	Opioid consumption in total intravenous anesthesia is reduced with dexmedetomidine: a comparative study with remifentanyl in gynecologic videolaparoscopic surgery. <i>Journal of Clinical Anesthesia</i> , 2007 , 19, 280-5	1.9	65
530	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	6.8	65
529	Antisecretory and antiulcer effects of diphenyl diselenide. <i>Environmental Toxicology and Pharmacology</i> , 2006 , 21, 86-92	5.8	65
528	Protective effect of diphenyl diselenide on acute liver damage induced by 2-nitropropane in rats. <i>Toxicology</i> , 2005 , 210, 1-8	4.4	65
527	Antidepressant-like effect of the organoselenium compound ebselen in mice: evidence for the involvement of the monoaminergic system. <i>European Journal of Pharmacology</i> , 2009 , 602, 85-91	5.3	64
526	Antidepressants inhibit human acetylcholinesterase and butyrylcholinesterase activity. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2002 , 1587, 92-8	6.9	61
525	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, 5257-68	4.2	60
524	Profile of nonprotein thiols, lipid peroxidation and delta-aminolevulinate dehydratase activity in mouse kidney and liver in response to acute exposure to mercuric chloride and sodium selenite. <i>Toxicology</i> , 2003 , 184, 179-87	4.4	60
523	Effects of 2,3-dimercapto-1-propanesulfonic acid (DMPS) on methylmercury-induced locomotor deficits and cerebellar toxicity in mice. <i>Toxicology</i> , 2007 , 239, 195-203	4.4	58

522	Synthesis and biological evaluation of new nitrogen-containing diselenides. <i>European Journal of Medicinal Chemistry</i> , 2014 , 87, 131-9	6.8	57
521	A possible neuroprotective action of a vinylic telluride against Mn-induced neurotoxicity. <i>Toxicological Sciences</i> , 2010 , 115, 194-201	4.4	57
520	Effects of age on reserpine-induced orofacial dyskinesia and possible protection of diphenyl diselenide. <i>Brain Research Bulletin</i> , 2004 , 64, 339-45	3.9	57
519	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	3.3	56
518	Association of oxidative stress to the genesis of anxiety: implications for possible therapeutic interventions. <i>Current Neuropharmacology</i> , 2014 , 12, 120-39	7.6	56
517	Sulfhydryl groups as targets of mercury toxicity. <i>Coordination Chemistry Reviews</i> , 2020 , 417, 213343-213343	4.3	55
516	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	3.2	55
515	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, 302-7	3.6	55
514	Palladium-catalyzed Suzuki cross-coupling of 2-haloselenophenes: synthesis of 2-arylselenophenes, 2,5-diarylselenophenes, and 2-arylselenophenyl ketones. <i>Journal of Organic Chemistry</i> , 2006 , 71, 3786-92	4.2	55
513	Exposure to ebselen changes glutamate uptake and release by rat brain synaptosomes. <i>Neurochemical Research</i> , 2002 , 27, 283-8	4.6	55
512	Diphenyl diselenide effectively reduces atherosclerotic lesions in LDLr ^{-/-} mice by attenuation of oxidative stress and inflammation. <i>Journal of Cardiovascular Pharmacology</i> , 2011 , 58, 91-101	3.1	54
511	Glia and methylmercury neurotoxicity. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2012 , 75, 1091-101	3.2	53
510	Organotellurium and organoselenium compounds attenuate Mn-induced toxicity in <i>Caenorhabditis elegans</i> by preventing oxidative stress. <i>Free Radical Biology and Medicine</i> , 2012 , 52, 1903-10	7.8	53
509	Structure-activity relationship of flavonoids derived from medicinal plants in preventing methylmercury-induced mitochondrial dysfunction. <i>Environmental Toxicology and Pharmacology</i> , 2010 , 30, 272-278	5.8	53
508	Involvement of oxidative stress in the pre-malignant and malignant states of cervical cancer in women. <i>Clinical Biochemistry</i> , 2005 , 38, 1071-5	3.5	53
507	Effects of Hg(II) exposure on MAPK phosphorylation and antioxidant system in <i>D. melanogaster</i> . <i>Environmental Toxicology</i> , 2014 , 29, 621-30	4.2	52
506	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, 791795	6.7	52
505	Oxidative stress-mediated inhibition of brain creatine kinase activity by methylmercury. <i>NeuroToxicology</i> , 2010 , 31, 454-60	4.4	52

504	Acute reserpine and subchronic haloperidol treatments change synaptosomal brain glutamate uptake and elicit orofacial dyskinesia in rats. <i>Brain Research</i> , 2005 , 1031, 202-10	3.7	52
503	Protective effect of diphenyl diselenide against peroxy-nitrite-mediated endothelial cell death: a comparison with ebselen. <i>Nitric Oxide - Biology and Chemistry</i> , 2013 , 31, 20-30	5	51
502	Protective effect of <i>Melissa officinalis</i> aqueous extract against Mn-induced oxidative stress in chronically exposed mice. <i>Brain Research Bulletin</i> , 2012 , 87, 74-9	3.9	51
501	Swimming training induces liver mitochondrial adaptations to oxidative stress in rats submitted to repeated exhaustive swimming bouts. <i>PLoS ONE</i> , 2013 , 8, e55668	3.7	51
500	Evaluation of in vitro antioxidant effect of new mono and diselenides. <i>Toxicology in Vitro</i> , 2013 , 27, 1433-36	3.96	50
499	Pilocarpine-induced status epilepticus increases glutamate release in rat hippocampal synaptosomes. <i>Neuroscience Letters</i> , 2004 , 356, 41-4	3.3	50
498	Synthesis and anti-inflammatory activity of acetylenic thiophenes. <i>Tetrahedron Letters</i> , 2001 , 42, 7921-7923	2.3	50
497	Oxidative Stress and Antioxidant Potential of One Hundred Medicinal Plants. <i>Current Topics in Medicinal Chemistry</i> , 2017 , 17, 1336-1370	3	50
496	Research trends in food chemistry: A bibliometric review of its 40 years anniversary (1976-2016). <i>Food Chemistry</i> , 2019 , 294, 448-457	8.5	49
495	Oxidative Stress in Methylmercury-Induced Cell Toxicity. <i>Toxics</i> , 2018 , 6,	4.7	49
494	Acute brain damage induced by acetaminophen in mice: effect of diphenyl diselenide on oxidative stress and mitochondrial dysfunction. <i>Neurotoxicity Research</i> , 2012 , 21, 334-44	4.3	49
493	Antioxidant properties of <i>Taraxacum officinale</i> leaf extract are involved in the protective effect against hepatotoxicity induced by acetaminophen in mice. <i>Journal of Medicinal Food</i> , 2012 , 15, 549-56	2.8	49
492	Sarco/endoplasmic reticulum Ca ²⁺ -ATPase isoforms: diverse responses to acidosis. <i>Biochemical Journal</i> , 1997 , 321 (Pt 2), 545-50	3.8	49
491	New acetylenic furan derivatives: synthesis and anti-inflammatory activity. <i>Tetrahedron Letters</i> , 2001 , 42, 8927-8930	2	49
490	Chemical composition, antioxidant and anticholinesterase activity of <i>Melissa officinalis</i> . <i>Industrial Crops and Products</i> , 2014 , 53, 34-45	5.9	48
489	Diphenyl diselenide, a simple glutathione peroxidase mimetic, inhibits human LDL oxidation in vitro. <i>Atherosclerosis</i> , 2008 , 201, 92-100	3.1	48
488	Metallothioneins: mercury species-specific induction and their potential role in attenuating neurotoxicity. <i>Experimental Biology and Medicine</i> , 2006 , 231, 1468-73	3.7	48
487	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, 1430-8	4.6	47

486	Comparative study on methyl- and ethylmercury-induced toxicity in C6 glioma cells and the potential role of LAT-1 in mediating mercurial-thiol complexes uptake. <i>NeuroToxicology</i> , 2013 , 38, 1-8	4.4	47
485	Complex methylmercury-cysteine alters mercury accumulation in different tissues of mice. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2010 , 107, 789-92	3.1	47
484	Synthesis of telluroamino acid derivatives with remarkable GPx like activity. <i>Organic and Biomolecular Chemistry</i> , 2009 , 7, 43-5	3.9	47
483	Neurotoxicity of cadmium on immature hippocampus and a neuroprotective role for p38 MAPK. <i>NeuroToxicology</i> , 2008 , 29, 727-34	4.4	47
482	Selenoxides inhibit delta-aminolevulinic acid dehydratase. <i>Toxicology Letters</i> , 2001 , 119, 27-37	4.4	47
481	Anthocyanin-rich aml(Euterpe oleracea Mart.) extract attenuates manganese-induced oxidative stress in rat primary astrocyte cultures. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2014 , 77, 390-404	3.2	46
480	Brazilian nut consumption by healthy volunteers improves inflammatory parameters. <i>Nutrition</i> , 2014 , 30, 459-65	4.8	46
479	In vitro antioxidant activity of Valeriana officinalis against different neurotoxic agents. <i>Neurochemical Research</i> , 2009 , 34, 1372-9	4.6	46
478	Bis selenide alkene derivatives: A class of potential antioxidant and antinociceptive agents. <i>Pharmacology Biochemistry and Behavior</i> , 2006 , 83, 221-9	3.9	46
477	Efficacy of 2,3-dimercapto-1-propanesulfonic acid (DMPS) and diphenyl diselenide on cadmium induced testicular damage in mice. <i>Food and Chemical Toxicology</i> , 2005 , 43, 1723-30	4.7	46
476	GM1 ganglioside attenuates convulsions and thiobarbituric acid reactive substances production induced by the intrastriatal injection of methylmalonic acid. <i>International Journal of Biochemistry and Cell Biology</i> , 2003 , 35, 465-73	5.6	46
475	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, 133-43	4.4	45
474	Genotoxicity of organoselenium compounds in human leukocytes in vitro. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2009 , 676, 21-6	3	45
473	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, 1478-88	5.5	45
472	Ebselen attenuates reserpine-induced orofacial dyskinesia and oxidative stress in rat striatum. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2003 , 27, 135-40	5.5	44
471	Diphenyl diselenide exerts anxiolytic-like effect in Wistar rats: putative roles of GABAA and 5HT receptors. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2008 , 32, 1508-15	5.5	43
470	Coffee, caffeine, chlorogenic acid, and the purinergic system. <i>Food and Chemical Toxicology</i> , 2019 , 123, 298-313	4.7	43
469	Dexmedetomidine decreases the inflammatory response to myocardial surgery under mini-cardiopulmonary bypass. <i>Brazilian Journal of Medical and Biological Research</i> , 2016 , 49, e4646	2.8	42

468	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	11.3	41
467	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	3.1	41
466	On the mechanisms involved in antinociception induced by diphenyl diselenide. <i>Environmental Toxicology and Pharmacology</i> , 2005 , 19, 283-9	5.8	41
465	Neuroprotective effect of ebselen on rat hippocampal slices submitted to oxygen-glucose deprivation: correlation with immuncontent of inducible nitric oxide synthase. <i>Neuroscience Letters</i> , 2003 , 346, 101-4	3.3	41
464	Effects of mercury and selenite on delta-aminolevulinate dehydratase activity and on selected oxidative stress parameters in rats. <i>Environmental Research</i> , 2004 , 95, 166-73	7.9	41
463	Methylmercury's chemistry: From the environment to the mammalian brain. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2019 , 1863, 129284	4	40
462	Diphenyl diselenide attenuates acute thermal hyperalgesia and persistent inflammatory and neuropathic pain behavior in mice. <i>Brain Research</i> , 2007 , 1175, 54-9	3.7	40
461	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> , 2006 , 164, 126-35	5	40
460	Influence of dietary selenium supplementation and exercise on thiol-containing enzymes in mice. <i>Nutrition</i> , 2003 , 19, 627-32	4.8	40
459	Toxicology and pharmacology of synthetic organoselenium compounds: an update. <i>Archives of Toxicology</i> , 2021 , 95, 1179-1226	5.8	40
458	Chemical Speciation of Selenium and Mercury as Determinant of Their Neurotoxicity. <i>Advances in Neurobiology</i> , 2017 , 18, 53-83	2.1	39
457	delta-Aminolevulinate dehydratase inhibition by 2,3-dimercaptopropanol is mediated by chelation of zinc from a site involved in maintaining cysteinyl residues in a reduced state. <i>Basic and Clinical Pharmacology and Toxicology</i> , 1998 , 83, 95-103		39
456	Influence of chronic exercise on reserpine-induced oxidative stress in rats: behavioral and antioxidant evaluations. <i>Pharmacology Biochemistry and Behavior</i> , 2008 , 88, 465-72	3.9	39
455	Comparative studies on dicholesteroyl diselenide and diphenyl diselenide as antioxidant agents and their effect on the activities of Na ⁺ /K ⁺ ATPase and delta-aminolevulinic acid dehydratase in the rat brain. <i>Neurochemical Research</i> , 2008 , 33, 167-78	4.6	39
454	Low toxicity of diphenyl diselenide in rabbits: a long-term study. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2007 , 101, 47-55	3.1	38
453	Antinociceptive action of myricitrin: involvement of the K ⁺ and Ca ²⁺ channels. <i>European Journal of Pharmacology</i> , 2007 , 567, 198-205	5.3	38
452	Molecular Pathways Associated With Methylmercury-Induced Nrf2 Modulation. <i>Frontiers in Genetics</i> , 2018 , 9, 373	4.5	38
451	Therapeutic cold: An effective kind to modulate the oxidative damage resulting of a skeletal muscle contusion. <i>Free Radical Research</i> , 2011 , 45, 125-38	4	37

450	Diphenyl diselenide confers neuroprotection against hydrogen peroxide toxicity in hippocampal slices. <i>Brain Research</i> , 2008 , 1199, 138-47	3-7	37
449	Involvement of oxidative stress in seizures induced by diphenyl diselenide in rat pups. <i>Brain Research</i> , 2007 , 1147, 226-32	3-7	37
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