

Joao Batista da Rocha

List of Publications by Year in descending order

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617
papers

22,651
citations

12303

69
h-index

21474

114
g-index

630
all docs

630
docs citations

630
times ranked

18257
citing authors

#	ARTICLE	IF	CITATIONS
1	Organoselenium and Organotellurium Compounds: Toxicology and Pharmacology. <i>Chemical Reviews</i> , 2004, 104, 6255-6286.	23.0	1,637
2	Metals, oxidative stress and neurodegeneration: A focus on iron, manganese and mercury. <i>Neurochemistry International</i> , 2013, 62, 575-594.	1.9	439
3	Toxicology and pharmacology of selenium: emphasis on synthetic organoselenium compounds. <i>Archives of Toxicology</i> , 2011, 85, 1313-1359.	1.9	416
4	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, 119-125.	0.0	379
5	Mechanisms of methylmercury-induced neurotoxicity: Evidence from experimental studies. <i>Life Sciences</i> , 2011, 89, 555-563.	2.0	349
6	Krebs Cycle Intermediates Modulate Thiobarbituric Acid Reactive Species (TBARS) Production in Rat Brain In Vitro. <i>Neurochemical Research</i> , 2005, 30, 225-235.	1.6	287
7	Importance of the lipid peroxidation biomarkers and methodological aspects FOR malondialdehyde quantification. <i>Quimica Nova</i> , 2009, 32, 169-174.	0.3	279
8	Oxidative stress in MeHg-induced neurotoxicity. <i>Toxicology and Applied Pharmacology</i> , 2011, 256, 405-417.	1.3	270
9	Polyamines reduces lipid peroxidation induced by different pro-oxidant agents. <i>Brain Research</i> , 2004, 1008, 245-251.	1.1	231
10	Anti-inflammatory and antinociceptive activity of diphenyl diselenide. <i>Inflammation Research</i> , 2003, 52, 56-63.	1.6	219
11	Diphenyl diselenide a janus-faced molecule. <i>Journal of the Brazilian Chemical Society</i> , 2010, 21, 2055-2071.	0.6	194
12	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.	1.3	191
13	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.	1.6	169
14	Sulfhydryl groups as targets of mercury toxicity. <i>Coordination Chemistry Reviews</i> , 2020, 417, 213343.	9.5	168
15	Methylmercury induces oxidative injury, alterations in permeability and glutamine transport in cultured astrocytes. <i>Brain Research</i> , 2007, 1131, 1-10.	1.1	163
16	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.	2.9	147
17	Characterization of an ATP diphosphohydrolase (EC 3.6.1.5) in synaptosomes from cerebral cortex of adult rats. <i>Neurochemical Research</i> , 1991, 16, 1303-1310.	1.6	140
18	Methylmercury and brain development: A review of recent literature. <i>Journal of Trace Elements in Medicine and Biology</i> , 2016, 38, 99-107.	1.5	132

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19	Polyphenols in red pepper [<i>Capsicum annuum</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.	1.6	131
20	The methylmercury-cysteine conjugate is a substrate for the large neutral amino acid transporter. <i>Journal of Neurochemistry</i> , 2008, 107, 1083-1090.	2.1	129
21	Toxicology and pharmacology of synthetic organoselenium compounds: an update. <i>Archives of Toxicology</i> , 2021, 95, 1179-1226.	1.9	125
22	Association between ischemia-modified albumin, lipids and inflammation biomarkers in patients with hypercholesterolemia. <i>Clinical Biochemistry</i> , 2009, 42, 666-671.	0.8	123
23	Effect of Perinatal Lead Exposure on Rat Behaviour in Open Field and Avoidance Tasks. <i>Basic and Clinical Pharmacology and Toxicology</i> , 1996, 79, 150-156.	0.0	122
24	Organoselenium compounds as mimics of selenoproteins and thiol modifier agents. <i>Metallomics</i> , 2017, 9, 1703-1734.	1.0	119
25	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.	1.4	116
26	Antinociceptive properties of diphenyl diselenide: Evidences for the mechanism of action. <i>European Journal of Pharmacology</i> , 2007, 555, 129-138.	1.7	110
27	Effect of treatment with mercury chloride and lead acetate during the second stage of rapid postnatal brain growth on α -aminolevulinic acid dehydratase (ALA-D) activity in brain, liver, kidney and blood of suckling rats. <i>Toxicology</i> , 1995, 100, 27-37.	2.0	109
28	Diphenyl diselenide and diphenyl ditelluride affect the rat glutamatergic system in vitro and in vivo. <i>Brain Research</i> , 2001, 906, 157-163.	1.1	108
29	New benzodiazepines alter acetylcholinesterase and ATPDase activities. <i>Neurochemical Research</i> , 2000, 25, 949-955.	1.6	107
30	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, 254-259.	1.2	107
31	New Organochalcogen Multitarget Drug: Synthesis and Antioxidant and Antitumoral Activities of Chalcogenozidovudine Derivatives. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 3329-3339.	2.9	107
32	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, 137-140.	1.0	105
33	Toxicity of ethylmercury (and Thimerosal): a comparison with methylmercury. <i>Journal of Applied Toxicology</i> , 2013, 33, 700-711.	1.4	103
34	Ebselen prevents excitotoxicity provoked by glutamate in rat cerebellar granule neurons. <i>Neuroscience Letters</i> , 2001, 299, 217-220.	1.0	102
35	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, 504-510.	2.0	102
36	Diphenyl diselenide reverses cadmium-induced oxidative damage on mice tissues. <i>Chemico-Biological Interactions</i> , 2005, 151, 159-165.	1.7	99

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37	Aminolevulinatase dehidratase (Î-ALA-D) as marker protein of intoxication with metals and other pro-oxidant situations. <i>Toxicology Research</i> , 2012, 1, 85.	0.9	97
38	Valeriana officinalis attenuates the rotenone-induced toxicity in <i>Drosophila melanogaster</i> . <i>NeuroToxicology</i> , 2013, 37, 118-126.	1.4	96
39	Research trends in food chemistry: A bibliometric review of its 40 years anniversary (1976-2016). <i>Food Chemistry</i> , 2019, 294, 448-457.	4.2	95
40	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, 1279-1285.	1.2	91
41	Comparative study on the response of rat primary astrocytes and microglia to methylmercury toxicity. <i>Glia</i> , 2011, 59, 810-820.	2.5	91
42	Quercitrin, a glycoside form of quercetin, prevents lipid peroxidation in vitro. <i>Brain Research</i> , 2006, 1107, 192-198.	1.1	90
43	Thiophenes and furans derivatives: a new class of potential pharmacological agents. <i>Environmental Toxicology and Pharmacology</i> , 2003, 15, 37-44.	2.0	87
44	Antioxidant activities of flavonol derivatives from the leaves and stem bark of <i>Scutia buxifolia</i> Reiss. <i>Bioresource Technology</i> , 2009, 100, 6592-6598.	4.8	87
45	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.	1.3	84
46	Oxidative Stress and Antioxidant Potential of One Hundred Medicinal Plants. <i>Current Topics in Medicinal Chemistry</i> , 2017, 17, 1336-1370.	1.0	84
47	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, 135-140.	1.4	83
48	Lercanidipine Reduces Matrix Metalloproteinase-9 Activity in Patients With Hypertension. <i>Journal of Cardiovascular Pharmacology</i> , 2006, 47, 117-122.	0.8	83
49	Diphenyl diselenide protects rat hippocampal slices submitted to oxygen-glucose deprivation and diminishes inducible nitric oxide synthase immuncontent. <i>Brain Research</i> , 2003, 986, 196-199.	1.1	82
50	l-Arginine attenuates acute pulmonary embolism-induced oxidative stress and pulmonary hypertension. <i>Nitric Oxide - Biology and Chemistry</i> , 2005, 12, 9-14.	1.2	80
51	A High Fat Diet Inhibits Î-Aminolevulinatase Dehidratase and Increases Lipid Peroxidation in Mice (Mus) Tj ETQq1 1 0,784314 rgBT /Ove	1.3	79
52	Methylmercury-induced alterations in astrocyte functions are attenuated by ebselen. <i>NeuroToxicology</i> , 2011, 32, 291-299.	1.4	79
53	Ebselen protects against methylmercury-induced inhibition of glutamate uptake by cortical slices from adult mice. <i>Toxicology Letters</i> , 2003, 144, 351-357.	0.4	78
54	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, 1838-1843.	2.5	78

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55	Effects of inorganic selenium administration in methylmercury-induced neurotoxicity in mouse cerebral cortex. <i>International Journal of Developmental Neuroscience</i> , 2010, 28, 631-637.	0.7	78
56	Methylmercury's chemistry: From the environment to the mammalian brain. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2019, 1863, 129284.	1.1	78
57	The Effect of Sildenafil on Pulmonary Embolism-Induced Oxidative Stress and Pulmonary Hypertension. <i>Anesthesia and Analgesia</i> , 2005, 101, 115-120.	1.1	77
58	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.	1.7	77
59	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.	2.0	77
60	Cadmium induced testicular damage and its response to administration of succimer and diphenyl diselenide in mice. <i>Toxicology Letters</i> , 2004, 152, 255-263.	0.4	76
61	Association of Oxidative Stress to the Genesis of Anxiety: Implications for Possible Therapeutic Interventions. <i>Current Neuropharmacology</i> , 2014, 12, 120-139.	1.4	75
62	Chiral diselenide ligands for the asymmetric copper-catalyzed conjugate addition of Grignard reagents to enones. <i>Tetrahedron Letters</i> , 2002, 43, 7329-7331.	0.7	74
63	Maternal Milk as Methylmercury Source for Suckling Mice: Neurotoxic Effects Involved with the Cerebellar Glutamatergic System. <i>Toxicological Sciences</i> , 2004, 81, 172-178.	1.4	74
64	Protective effect of diphenyl diselenide on acute liver damage induced by 2-nitropropane in rats. <i>Toxicology</i> , 2005, 210, 1-8.	2.0	74
65	eNOS gene T-786C polymorphism modulates atorvastatin-induced increase in blood nitrite. <i>Free Radical Biology and Medicine</i> , 2006, 41, 1044-1049.	1.3	74
66	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.	1.7	74
67	Coffee, caffeine, chlorogenic acid, and the purinergic system. <i>Food and Chemical Toxicology</i> , 2019, 123, 298-313.	1.8	74
68	Antidepressants inhibit human acetylcholinesterase and butyrylcholinesterase activity. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2002, 1587, 92-98.	1.8	73
69	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, 280-285.	0.7	73
70	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.	1.6	73
71	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.	1.7	72
72	Swimming Training Induces Liver Mitochondrial Adaptations to Oxidative Stress in Rats Submitted to Repeated Exhaustive Swimming Bouts. <i>PLoS ONE</i> , 2013, 8, e55668.	1.1	72

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73	Ebselen attenuates haloperidol-induced orofacial dyskinesia and oxidative stress in rat brain. <i>Pharmacology Biochemistry and Behavior</i> , 2005, 81, 608-615.	1.3	70
74	Antisecretory and antiulcer effects of diphenyl diselenide. <i>Environmental Toxicology and Pharmacology</i> , 2006, 21, 86-92.	2.0	70
75	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, 418-426.	1.3	70
76	In vivo and in vitro inhibition of mice thioredoxin reductase by methylmercury. <i>BioMetals</i> , 2010, 23, 1171-1177.	1.8	70
77	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.	1.9	70
78	Monoaminergic agents modulate antidepressant-like effect caused by diphenyl diselenide in rats. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2007, 31, 1261-1269.	2.5	69
79	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.	1.7	66
80	A Possible Neuroprotective Action of a Vinylic Telluride against Mn-Induced Neurotoxicity. <i>Toxicological Sciences</i> , 2010, 115, 194-201.	1.4	66
81	Oxidative Stress in Methylmercury-Induced Cell Toxicity. <i>Toxics</i> , 2018, 6, 47.	1.6	66
82	Effects of age on reserpine-induced orofacial dyskinesia and possible protection of diphenyl diselenide. <i>Brain Research Bulletin</i> , 2004, 64, 339-345.	1.4	64
83	Involvement of oxidative stress in the pre-malignant and malignant states of cervical cancer in women. <i>Clinical Biochemistry</i> , 2005, 38, 1071-1075.	0.8	64
84	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, 74-79.	1.4	64
85	Effects of Hg(II) Exposure on MAPK Phosphorylation and Antioxidant System in <i>D. melanogaster</i> . <i>Environmental Toxicology</i> , 2014, 29, 621-630.	2.1	64
86	Synthesis and biological evaluation of new nitrogen-containing diselenides. <i>European Journal of Medicinal Chemistry</i> , 2014, 87, 131-139.	2.6	64
87	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.	1.1	63
88	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.	2.0	63
89	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, 1903-1910.	1.3	63
90	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.	3.9	63

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91	Profile of nonprotein thiols, lipid peroxidation and Î-aminolevulinatase activity in mouse kidney and liver in response to acute exposure to mercuric chloride and sodium selenite. <i>Toxicology</i> , 2003, 184, 179-187.	2.0	62
92	Glia and Methylmercury Neurotoxicity. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2012, 75, 1091-1101.	1.1	62
93	Evaluation of in vitro antioxidant effect of new mono and diselenides. <i>Toxicology in Vitro</i> , 2013, 27, 1433-1439.	1.1	62
94	Chemical composition, antioxidant and anticholinesterase activity of <i>Melissa officinalis</i> . <i>Industrial Crops and Products</i> , 2014, 53, 34-45.	2.5	62
95	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.	2.0	61
96	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.	2.5	61
97	New acetylenic furan derivatives: synthesis and anti-inflammatory activity. <i>Tetrahedron Letters</i> , 2001, 42, 8927-8930.	0.7	59
98	Pilocarpine-induced status epilepticus increases glutamate release in rat hippocampal synaptosomes. <i>Neuroscience Letters</i> , 2004, 356, 41-44.	1.0	59
99	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.	1.2	59
100	In vitro Antioxidant Activity of <i>Valeriana officinalis</i> Against Different Neurotoxic Agents. <i>Neurochemical Research</i> , 2009, 34, 1372-1379.	1.6	59
101	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.	1.0	59
102	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, 549-556.	0.8	59
103	Anthocyanin-Rich <i>Euterpe oleracea</i> (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.	1.1	59
104	Dexmedetomidine decreases the inflammatory response to myocardial surgery under mini-cardiopulmonary bypass. <i>Brazilian Journal of Medical and Biological Research</i> , 2016, 49, e4646.	0.7	59
105	Metallothioneins: Mercury Species-Specific Induction and Their Potential Role in Attenuating Neurotoxicity. <i>Experimental Biology and Medicine</i> , 2006, 231, 1468-1473.	1.1	58
106	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.	0.8	58
107	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.	1.2	58
108	Brazilian nut consumption by healthy volunteers improves inflammatory parameters. <i>Nutrition</i> , 2014, 30, 459-465.	1.1	58

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109	Exposure to ebselen changes glutamate uptake and release by rat brain synaptosomes. <i>Neurochemical Research</i> , 2002, 27, 283-288.	1.6	57
110	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, 3786-3792.	1.7	57
111	Oxidative stress-mediated inhibition of brain creatine kinase activity by methylmercury. <i>NeuroToxicology</i> , 2010, 31, 454-460.	1.4	57
112	Acute Brain Damage Induced by Acetaminophen in Mice: Effect of Diphenyl Diselenide on Oxidative Stress and Mitochondrial Dysfunction. <i>Neurotoxicity Research</i> , 2012, 21, 334-344.	1.3	57
113	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.	1.4	56
114	Chemical composition and toxicological evaluation of <i>Hyptis suaveolens</i> (L.) Poiteau (LAMIACEAE) in <i>Drosophila melanogaster</i> and <i>Artemia salina</i> . <i>South African Journal of Botany</i> , 2017, 113, 437-442.	1.2	56
115	Synthesis and anti-inflammatory activity of acetylenic thiophenes. <i>Tetrahedron Letters</i> , 2001, 42, 7921-7923.	0.7	55
116	Complex Methylmercury-Cysteine Alters Mercury Accumulation in Different Tissues of Mice. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2010, 107, 789-792.	1.2	55
117	Chemical Speciation of Selenium and Mercury as Determinant of Their Neurotoxicity. <i>Advances in Neurobiology</i> , 2017, 18, 53-83.	1.3	55
118	Diphenyl diselenide, a simple glutathione peroxidase mimetic, inhibits human LDL oxidation in vitro. <i>Atherosclerosis</i> , 2008, 201, 92-100.	0.4	54
119	Association of Oxidative Stress with Psychiatric Disorders. <i>Current Pharmaceutical Design</i> , 2016, 22, 2960-2974.	0.9	54
120	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.	1.1	53
121	Neurotoxicity of cadmium on immature hippocampus and a neuroprotective role for p38MAPK. <i>NeuroToxicology</i> , 2008, 29, 727-734.	1.4	53
122	Synthesis of telluroamino acid derivatives with remarkable GPx like activity. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 43-45.	1.5	53
123	Sarco/endoplasmic reticulum Ca ²⁺ -ATPase isoforms: diverse responses to acidosis. <i>Biochemical Journal</i> , 1997, 321, 545-550.	1.7	51
124	Ebselen attenuates reserpine-induced orofacial dyskinesia and oxidative stress in rat striatum. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2003, 27, 135-140.	2.5	50
125	Inhibition of two different cholinesterases by tacrine. <i>Chemico-Biological Interactions</i> , 2006, 162, 165-171.	1.7	50
126	Bis selenide alkene derivatives: A class of potential antioxidant and antinociceptive agents. <i>Pharmacology Biochemistry and Behavior</i> , 2006, 83, 221-229.	1.3	50

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127	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.	2.5	50
128	Selenoxides inhibit $\hat{\Gamma}$ -aminolevulinic acid dehydratase. <i>Toxicology Letters</i> , 2001, 119, 27-37.	0.4	49
129	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, 465-473.	1.2	49
130	Influence of dietary selenium supplementation and exercise on thiol-containing enzymes in mice. <i>Nutrition</i> , 2003, 19, 627-632.	1.1	48
131	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, 1723-1730.	1.8	48
132	Mitochondrial Dysfunction Induced by Different Organochalchogens 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.	1.4	48
133	Effect of aluminum on $\hat{\Gamma}$ -aminolevulinic acid dehydratase (ALA-D) and the development of cucumber (<i>Cucumis sativus</i>). <i>Environmental and Experimental Botany</i> , 2006, 57, 106-115.	2.0	47
134	Phytochemical constituents, antioxidant activity, cytotoxicity and osmotic fragility effects of Caju (<i>Anacardium microcarpum</i>). <i>Industrial Crops and Products</i> , 2014, 55, 280-288.	2.5	47
135	Antioxidant and Neuroprotective Properties of Sour Tea (<i>Hibiscus sabdariffa</i> , calyx) and Green Tea (<i>Camellia sinensis</i>) on some Pro-oxidant-induced Lipid Peroxidation in Brain in vitro. <i>Food Biophysics</i> , 2008, 3, 382-389.	1.4	46
136	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, 1508-1515.	2.5	46
137	Genotoxicity of organoselenium compounds in human leukocytes in vitro. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2009, 676, 21-26.	0.9	46
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