

Andreza Fabro de Bem

List of Publications by Year in descending order

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109
papers

2,960
citations

136740

32
h-index

214527

47
g-index

112
all docs

112
docs citations

112
times ranked

4139
citing authors

#	ARTICLE	IF	CITATIONS
1	Organoselenium compounds as mimics of selenoproteins and thiol modifier agents. <i>Metallomics</i> , 2017, 9, 1703-1734.	1.0	119
2	Molecular aspects involved in swimming exercise training reducing anhedonia in a rat model of depression. <i>Neuroscience</i> , 2011, 192, 661-674.	1.1	116
3	Atorvastatin prevents hippocampal cell death, neuroinflammation and oxidative stress following amyloid- β 1 α 40 administration in mice: Evidence for dissociation between cognitive deficits and neuronal damage. <i>Experimental Neurology</i> , 2010, 226, 274-284.	2.0	94
4	Selenocompounds in Cancer Therapy: An Overview. <i>Advances in Cancer Research</i> , 2017, 136, 259-302.	1.9	89
5	Positive correlation between elevated plasma cholesterol levels and cognitive impairments in LDL receptor knockout mice: relevance of cortico-cerebral mitochondrial dysfunction and oxidative stress. <i>Neuroscience</i> , 2011, 197, 99-106.	1.1	86
6	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
7	β -Caryophyllene protects the C6 glioma cells against glutamate-induced excitotoxicity through the Nrf2 pathway. <i>Neuroscience</i> , 2014, 279, 220-231.	1.1	76
8	The Intranasal Administration of 1-Methyl-4-Phenyl-1,2,3,6-Tetrahydropyridine (MPTP): A New Rodent Model to Test Palliative and Neuroprotective Agents for Parkinson's disease. <i>Current Pharmaceutical Design</i> , 2011, 17, 489-507.	0.9	75
9	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
10	Diphenyl Diselenide Effectively Reduces Atherosclerotic Lesions in LDLr α/α Mice by Attenuation of Oxidative Stress and Inflammation. <i>Journal of Cardiovascular Pharmacology</i> , 2011, 58, 91-101.	0.8	58
11	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
12	Oxidative stress-mediated inhibition of brain creatine kinase activity by methylmercury. <i>NeuroToxicology</i> , 2010, 31, 454-460.	1.4	57
13	Long-term and low-dose malathion exposure causes cognitive impairment in adult mice: evidence of hippocampal mitochondrial dysfunction, astrogliosis and apoptotic events. <i>Archives of Toxicology</i> , 2016, 90, 647-660.	1.9	56
14	Hippocampal Function Is Impaired by a Short-Term High-Fat Diet in Mice: Increased Blood-Brain Barrier Permeability and Neuroinflammation as Triggering Events. <i>Frontiers in Neuroscience</i> , 2021, 15, 734158.	1.4	55
15	Diphenyl diselenide, a simple glutathione peroxidase mimetic, inhibits human LDL oxidation in vitro. <i>Atherosclerosis</i> , 2008, 201, 92-100.	0.4	54
16	Proanthocyanidin-rich fraction from <i>Croton celtidifolius</i> Baill confers neuroprotection in the intranasal 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine rat model of Parkinson's disease. <i>Journal of Neural Transmission</i> , 2010, 117, 1337-1351.	1.4	53
17	Age-Related Cognitive Decline in Hypercholesterolemic LDL Receptor Knockout Mice (LDLr α/α): Evidence of Antioxidant Imbalance and Increased Acetylcholinesterase Activity in the Prefrontal Cortex. <i>Journal of Alzheimer's Disease</i> , 2012, 32, 495-511.	1.2	53
18	Increased Susceptibility to Amyloid- β -Induced Neurotoxicity in Mice Lacking the Low-Density Lipoprotein Receptor. <i>Journal of Alzheimer's Disease</i> , 2014, 41, 43-60.	1.2	48

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19	High-intensity physical exercise disrupts implicit memory in mice: involvement of the striatal glutathione antioxidant system and intracellular signaling. <i>Neuroscience</i> , 2010, 171, 1216-1227.	1.1	47
20	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.	1.2	45
21	Does Methylmercury-Induced Hypercholesterolemia Play a Causal Role in Its Neurotoxicity and Cardiovascular Disease?. <i>Toxicological Sciences</i> , 2012, 130, 373-382.	1.4	44
22	Protective effects of diphenyl diselenide in a mouse model of brain toxicity. <i>Chemico-Biological Interactions</i> , 2013, 206, 18-26.	1.7	42
23	Diphenyl diselenide protects neuronal cells against oxidative stress and mitochondrial dysfunction: Involvement of the glutathione-dependent antioxidant system. <i>Redox Biology</i> , 2019, 20, 118-129.	3.9	41
24	Low Toxicity of Diphenyl Diselenide in Rabbits: A Long-Term Study. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2007, 101, 47-55.	1.2	40
25	Time-dependent oxidative stress caused by benzimidazole. <i>Redox Report</i> , 2001, 6, 265-270.	1.4	39
26	Differential effects of insulin on peripheral diabetes-related changes in mitochondrial bioenergetics: Involvement of advanced glycosylated end products. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2011, 1812, 1460-1471.	1.8	39
27	Enzymes that hydrolyze adenine nucleotides of patients with hypercholesterolemia and inflammatory processes. <i>FEBS Journal</i> , 2007, 274, 2707-2714.	2.2	37
28	Hypercholesterolemia induces short-term spatial memory impairments in mice: up-regulation of acetylcholinesterase activity as an early and causal event?. <i>Journal of Neural Transmission</i> , 2014, 121, 415-426.	1.4	36
29	High Cholesterol Diet Exacerbates Blood-Brain Barrier Disruption in LDL ^{0/0} Mice: Impact on Cognitive Function. <i>Journal of Alzheimer's Disease</i> , 2020, 78, 97-115.	1.2	35
30	The Thiol-Modifier Effects of Organoselenium Compounds and Their Cytoprotective Actions in Neuronal Cells. <i>Neurochemical Research</i> , 2021, 46, 120-130.	1.6	35
31	Diphenyl diselenide administration enhances cortical mitochondrial number and activity by increasing hemoxygenase type 1 content in a methylmercury-induced neurotoxicity mouse model. <i>Molecular and Cellular Biochemistry</i> , 2014, 390, 1-8.	1.4	34
32	Changes in biochemical parameters in rabbits blood after oral exposure to diphenyl diselenide for long periods. <i>Chemico-Biological Interactions</i> , 2006, 162, 1-10.	1.7	33
33	A comparative study of albendazole and mebendazole-induced, time-dependent oxidative stress. <i>Redox Report</i> , 2004, 9, 89-95.	1.4	32
34	Diphenyl Diselenide Prevents Cortico-cerebral Mitochondrial Dysfunction and Oxidative Stress Induced by Hypercholesterolemia in LDL Receptor Knockout Mice. <i>Neurochemical Research</i> , 2013, 38, 2028-2036.	1.6	32
35	Cerebral cortex, hippocampus, striatum and cerebellum show differential susceptibility to quinolinic acid-induced oxidative stress. <i>Neurological Sciences</i> , 2015, 36, 1449-1456.	0.9	32
36	Short-term high-fat diet induces cognitive decline, aggression, and anxiety-like behavior in adult zebrafish. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2021, 110, 110288.	2.5	32

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37	MPP+-Lesioned Mice: an Experimental Model of Motor, Emotional, Memory/Learning, and Striatal Neurochemical Dysfunctions. <i>Molecular Neurobiology</i> , 2017, 54, 6356-6377.	1.9	31
38	Animal Models of Metabolic Disorders in the Study of Neurodegenerative Diseases: An Overview. <i>Frontiers in Neuroscience</i> , 2020, 14, 604150.	1.4	31
39	17 β -estradiol decreases methylmercury-induced neurotoxicity in male mice. <i>Environmental Toxicology and Pharmacology</i> , 2009, 27, 293-297.	2.0	30
40	Diphenyl diselenide modulates oxLDL-induced cytotoxicity in macrophage by improving the redox signaling. <i>Biochimie</i> , 2013, 95, 1544-1551.	1.3	29
41	Probucol mitigates streptozotocin-induced cognitive and biochemical changes in mice. <i>Neuroscience</i> , 2015, 284, 590-600.	1.1	29
42	Synergistic neurotoxicity induced by methylmercury and quercetin in mice. <i>Food and Chemical Toxicology</i> , 2009, 47, 645-649.	1.8	28
43	Atorvastatin prevents cell damage via modulation of oxidative stress, glutamate uptake and glutamine synthetase activity in hippocampal slices subjected to oxygen/glucose deprivation. <i>Neurochemistry International</i> , 2013, 62, 948-955.	1.9	28
44	Impact of SIN-1-derived peroxynitrite flux on endothelial cell redox homeostasis and bioenergetics: protective role of diphenyl diselenide via induction of peroxiredoxins. <i>Free Radical Research</i> , 2015, 49, 122-132.	1.5	28
45	Succinobucol, a Lipid-Lowering Drug, Protects Against 3-Nitropropionic Acid-Induced Mitochondrial Dysfunction and Oxidative Stress in SH-SY5Y Cells via Upregulation of Glutathione Levels and Glutamate Cysteine Ligase Activity. <i>Molecular Neurobiology</i> , 2016, 53, 1280-1295.	1.9	28
46	Guanosine prevents nitroxidative stress and recovers mitochondrial membrane potential disruption in hippocampal slices subjected to oxygen/glucose deprivation. <i>Purinergic Signalling</i> , 2016, 12, 707-718.	1.1	27
47	Brain-Defective Insulin Signaling Is Associated to Late Cognitive Impairment in Post-Septic Mice. <i>Molecular Neurobiology</i> , 2018, 55, 435-444.	1.9	26
48	Effects of environmental and artificial UV-B radiation on freshwater prawn <i>Macrobrachium olfersi</i> embryos. <i>Aquatic Toxicology</i> , 2010, 98, 25-33.	1.9	25
49	Diphenyl diselenide protects endothelial cells against oxidized low density lipoprotein-induced injury: Involvement of mitochondrial function. <i>Biochimie</i> , 2014, 105, 172-181.	1.3	25
50	A selanylimidazopyridine (3-SePh-IP) reverses the prodepressant- and angiogenic-like effects of a high-fat/high-fructose diet in mice. <i>Journal of Pharmacy and Pharmacology</i> , 2021, 73, 673-681.	1.2	25
51	Is there an association between hypercholesterolemia and depression? Behavioral evidence from the LDLr $\alpha^{-/-}$ mouse experimental model. <i>Behavioural Brain Research</i> , 2016, 311, 31-38.	1.2	24
52	Effect of diphenyl diselenide on the development of experimental autoimmune encephalomyelitis. <i>Neurochemistry International</i> , 2011, 59, 1155-1162.	1.9	22
53	Potential neuroprotective and anti-inflammatory effects provided by omega-3 (DHA) against Zika virus infection in human SH-SY5Y cells. <i>Scientific Reports</i> , 2019, 9, 20119.	1.6	21
54	Effects of K074 and pralidoxime on antioxidant and acetylcholinesterase response in malathion-poisoned mice. <i>NeuroToxicology</i> , 2011, 32, 888-895.	1.4	20

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55	Duloxetine Protects Human Neuroblastoma Cells from Oxidative Stress-Induced Cell Death Through Akt/Nrf-2/HO-1 Pathway. <i>Neurochemical Research</i> , 2018, 43, 387-396.	1.6	20
56	Behavioural, metabolic and neurochemical effects of environmental enrichment in high-fat cholesterol-enriched diet-fed mice. <i>Behavioural Brain Research</i> , 2019, 359, 648-656.	1.2	20
57	Diphenyl diselenide supplementation reduces biochemical alterations associated with oxidative stress in rats fed with fructose and hydrochlorothiazide. <i>Chemico-Biological Interactions</i> , 2013, 204, 191-199.	1.7	19
58	Impaired adult hippocampal neurogenesis in a mouse model of familial hypercholesterolemia: A role for the LDL receptor and cholesterol metabolism in adult neural precursor cells. <i>Molecular Metabolism</i> , 2019, 30, 1-15.	3.0	19
59	Methylglyoxal-Mediated Dopamine Depletion, Working Memory Deficit, and Depression-Like Behavior Are Prevented by a Dopamine/Noradrenaline Reuptake Inhibitor. <i>Molecular Neurobiology</i> , 2021, 58, 735-749.	1.9	19
60	Effects of lifestyle modifications on cognitive impairments in a mouse model of hypercholesterolemia. <i>Neuroscience Letters</i> , 2013, 541, 193-198.	1.0	18
61	Decrement in resting and insulin-stimulated soleus muscle mitochondrial respiration is an early event in diet-induced obesity in mice. <i>Experimental Physiology</i> , 2019, 104, 306-321.	0.9	18
62	Diphenyl diselenide-modulation of macrophage activation: Down-regulation of classical and alternative activation markers. <i>Innate Immunity</i> , 2012, 18, 627-637.	1.1	17
63	Induction of reactive oxygen species by diphenyl diselenide is preceded by changes in cell morphology and permeability in <i>Saccharomyces cerevisiae</i> . <i>Free Radical Research</i> , 2017, 51, 657-668.	1.5	16
64	Superoxide anion generation and oxidative stress in methylmercury-induced endothelial toxicity in vitro. <i>Toxicology in Vitro</i> , 2017, 38, 19-26.	1.1	16
65	<i>Syzygium cumini</i> leaf extract inhibits LDL oxidation, but does not protect the lipoprotein from glycation. <i>Journal of Ethnopharmacology</i> , 2018, 210, 69-79.	2.0	16
66	LDL Receptor Deficiency Does not Alter Brain Amyloid- β Levels but Causes an Exacerbation of Apoptosis. <i>Journal of Alzheimer's Disease</i> , 2020, 73, 585-596.	1.2	16
67	A Single High Dose of Ascorbic Acid and Iron Is Not Correlated with Oxidative Stress in Healthy Volunteers. <i>Annals of Nutrition and Metabolism</i> , 2008, 53, 79-85.	1.0	15
68	Antidepressant effects of creatine on amyloid β -40-treated mice: The role of GSK-3 β /Nrf2 pathway. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2018, 86, 270-278.	2.5	15
69	A High Fat/Cholesterol Diet Recapitulates Some Alzheimer's Disease-Like Features in Mice: Focus on Hippocampal Mitochondrial Dysfunction. <i>Journal of Alzheimer's Disease</i> , 2021, 82, 1619-1633.	1.2	15
70	Acute exposure of rabbits to diphenyl diselenide: a toxicological evaluation. <i>Journal of Applied Toxicology</i> , 2010, 30, 761-768.	1.4	14
71	Oximes as inhibitors of low density lipoprotein oxidation. <i>Life Sciences</i> , 2008, 83, 878-885.	2.0	13
72	Plasmatic vitamin C in nontreated hepatitis C patients is negatively associated with aspartate aminotransferase. <i>Liver International</i> , 2008, 28, 54-60.	1.9	12

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73	Cardioprotective effects of a proanthocyanidin-rich fraction from <i>Croton celtidifolius</i> Baill: Focus on atherosclerosis. <i>Food and Chemical Toxicology</i> , 2012, 50, 3769-3775.	1.8	12
74	Design, Synthesis, and In Vitro Evaluation of a Novel Probucol Derivative: Protective Activity in Neuronal Cells Through GPx Upregulation. <i>Molecular Neurobiology</i> , 2018, 55, 7619-7634.	1.9	12
75	Ethanol inhibits γ -aminolevulinic acid dehydratase and glutathione peroxidase activities in mice liver: Protective effects of ebselen and N-acetylcysteine. <i>Environmental Toxicology and Pharmacology</i> , 2006, 21, 338-343.	2.0	11
76	Diphenyl diselenide improves the antioxidant response via activation of the Nrf-2 pathway in macrophage cells. <i>Free Radical Biology and Medicine</i> , 2014, 75, S40.	1.3	11
77	Antidepressant Effects of Probucol on Early-Symptomatic YAC128 Transgenic Mice for Huntington's Disease. <i>Neural Plasticity</i> , 2018, 2018, 1-17.	1.0	11
78	Disubstituted diaryl diselenides as potential atheroprotective compounds: Involvement of TrxR and GPx-like systems. <i>European Journal of Pharmaceutical Sciences</i> , 2013, 48, 717-725.	1.9	10
79	Nanotechnology as a therapeutic strategy to prevent neuropsychomotor alterations associated with hypercholesterolemia. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 201, 111608.	2.5	10
80	Efficacy of Donepezil for Cognitive Impairments in Familial Hypercholesterolemia: Preclinical Proof of Concept. <i>CNS Neuroscience and Therapeutics</i> , 2015, 21, 964-966.	1.9	9
81	Inhibition of reductase systems by 2-AAPA modulates peroxiredoxin oxidation and mitochondrial function in A172 glioblastoma cells. <i>Toxicology in Vitro</i> , 2017, 42, 273-280.	1.1	9
82	Atorvastatin Prevents Early Oxidative Events and Modulates Inflammatory Mediators in the Striatum Following Intranasal 1-Methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP) Administration in Rats. <i>Neurotoxicity Research</i> , 2018, 33, 549-559.	1.3	9
83	Mitochondrial NAD(P) ⁺ Transhydrogenase is Unevenly Distributed in Different Brain Regions, and its Loss Causes Depressive-like Behavior and Motor Dysfunction in Mice. <i>Neuroscience</i> , 2020, 440, 210-229.	1.1	9
84	Caffeine Mitigates the Locomotor Hyperactivity in Middle-aged Low-density Lipoprotein Receptor (LDL) Knockout Mice. <i>CNS Neuroscience and Therapeutics</i> , 2016, 22, 420-422.	1.9	8
85	A importância da determinação da hemoglobina glicada no monitoramento das complicações crônicas do diabetes mellitus. <i>Jornal Brasileiro De Patologia E Medicina Laboratorial</i> , 2006, 42, .	0.3	8
86	The potential toxicological insights about the anti-HIV drug azidothymidine-derived monoselenides in human leukocytes: Toxicological insights of new selenium-azidothymidine analogs. <i>Human and Experimental Toxicology</i> , 2017, 36, 910-918.	1.1	7
87	Leucine increases muscle mitochondrial respiration and attenuates glucose intolerance in diet-induced obesity in Swiss mice. <i>Journal of Functional Foods</i> , 2019, 62, 103544.	1.6	7
88	Methodological Approach for the Evaluation of FOXO as a Positive Regulator of Antioxidant Genes. <i>Methods in Molecular Biology</i> , 2019, 1890, 61-76.	0.4	7
89	Red wine consumption mitigates the cognitive impairments in low-density lipoprotein receptor knockout (LDLR^{KO}) mice. <i>Nutritional Neuroscience</i> , 2020, 24, 1-11.	1.5	7
90	Diphenyl diselenide differently modulates cardiovascular redox responses in young adult and middle-aged low-density lipoprotein receptor knockout hypercholesterolemic mice. <i>Journal of Pharmacy and Pharmacology</i> , 2014, 66, 387-397.	1.2	6

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91	Oxidative Inactivation of Nitric Oxide and Peroxynitrite Formation in the Vasculature. ACS Symposium Series, 2015, , 91-145.	0.5	6
92	Atorvastatin Improves Mitochondrial Function and Prevents Oxidative Stress in Hippocampus Following Amyloid- β 40 Intracerebroventricular Administration in Mice. Molecular Neurobiology, 2020, 57, 4187-4201.	1.9	6
93	Mitochondrial pyruvate carrier as a key regulator of fever and neuroinflammation. Brain, Behavior, and Immunity, 2021, 92, 90-101.	2.0	6
94	<i>In vitro</i> Reactivating Effects of Standard and Newly Developed Oximes on Malaoxonâ€inhibited Mouse Brain Acetylcholinesterase. Basic and Clinical Pharmacology and Toxicology, 2010, 107, 768-773.	1.2	5
95	Evidence of hippocampal astrogliosis and antioxidant imbalance after L-tyrosine chronic administration in rats. Metabolic Brain Disease, 2020, 35, 193-200.	1.4	5
96	Neuroprotective effect of the proanthocyanidin-rich fraction in experimental model of spinal cord injury. Journal of Pharmacy and Pharmacology, 2014, 66, 694-704.	1.2	3
97	Atheroprotective action of a modified organoselenium compound: in vitro evidence. Anais Da Academia Brasileira De Ciencias, 2016, 88, 1953-1965.	0.3	3
98	Hypercholesterolemia impairs contextual fear conditioning memory formation in female mice. NeuroReport, 2018, 29, 1140-1143.	0.6	3
99	Syzygium cumini leaf extract protects macrophages against the oxidized LDL-induced toxicity: A promising atheroprotective effect. Biomedicine and Pharmacotherapy, 2021, 142, 111196.	2.5	3
100	Cholesterol Levels and Cognitive Impairments. , 2015, , 743-751.		2
101	Methylglyoxal disrupts the functionality of rat liver mitochondria. Chemico-Biological Interactions, 2022, 351, 109677.	1.7	2
102	Temporal Characterization of Behavioral and Hippocampal Dysfunction in the YAC128 Mouse Model of Huntingtonâ€™s Disease. Biomedicines, 2022, 10, 1433.	1.4	2
103	The effect of voluntary wheel running on the antioxidant status is dependent on sociability conditions. Pharmacology Biochemistry and Behavior, 2020, 198, 173018.	1.3	1
104	Circulating CD40 ligand in peripheral arterial disease. Thrombosis Research, 2007, 120, 781-782.	0.8	0
105	Influence of Hypercholesterolemia on Cerebral Oxidative Stress and Cell Damage Induced by Beta Amyloid Peptide in the Low Density Lipoprotein Receptor Knockout Mice. Free Radical Biology and Medicine, 2012, 53, S63.	1.3	0
106	Lowâ€density Lipoprotein Receptor: A Promising Therapeutic Target to Promote Cerebral Betaâ€amyloid Clearance?. CNS Neuroscience and Therapeutics, 2014, 20, 877-878.	1.9	0
107	Effects of Donepezil on Oxidative Stress and Cognitive Impairments in a Mouse Model of Familial Hypercholesterolemia. Free Radical Biology and Medicine, 2015, 87, S31.	1.3	0
108	Diphenyl diselenide (PhSe) ₂ cytoprotective effect on endothelial cells exposed to nitrooxidative stress. Free Radical Biology and Medicine, 2018, 120, S154.	1.3	0

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109	Effect of Gut Microbiota Modulation on Hepatic Lipid Metabolism in C57Bl/6 and ob/ob Mice. FASEB Journal, 2019, 33, .	0.2	0