

# 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	Methylglyoxal disrupts the functionality of rat liver mitochondria. <i>Chemico-Biological Interactions</i> , 2022, 351, 109677.	1.7	2
2	Temporal Characterization of Behavioral and Hippocampal Dysfunction in the YAC128 Mouse Model of Huntington's Disease. <i>Biomedicines</i> , 2022, 10, 1433.	1.4	2
3	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
4	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
5	Mitochondrial pyruvate carrier as a key regulator of fever and neuroinflammation. <i>Brain, Behavior, and Immunity</i> , 2021, 92, 90-101.	2.0	6
6	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
7	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
8	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
9	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
10	Syzygium cumini leaf extract protects macrophages against the oxidized LDL-induced toxicity: A promising atheroprotective effect. <i>Biomedicine and Pharmacotherapy</i> , 2021, 142, 111196.	2.5	3
11	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
12	Evidence of hippocampal astrogliosis and antioxidant imbalance after L-tyrosine chronic administration in rats. <i>Metabolic Brain Disease</i> , 2020, 35, 193-200.	1.4	5
13	Red wine consumption mitigates the cognitive impairments in low-density lipoprotein receptor knockout (LDLR <sup>-/-</sup> ) mice. <i>Nutritional Neuroscience</i> , 2020, 24, 1-11.	1.5	7
14	LDL Receptor Deficiency Does not Alter Brain Amyloid- $\beta$ Levels but Causes an Exacerbation of Apoptosis. <i>Journal of Alzheimer's Disease</i> , 2020, 73, 585-596.	1.2	16
15	Atorvastatin Improves Mitochondrial Function and Prevents Oxidative Stress in Hippocampus Following Amyloid- $\beta$ 40 Intracerebroventricular Administration in Mice. <i>Molecular Neurobiology</i> , 2020, 57, 4187-4201.	1.9	6
16	The effect of voluntary wheel running on the antioxidant status is dependent on sociability conditions. <i>Pharmacology Biochemistry and Behavior</i> , 2020, 198, 173018.	1.3	1
17	High Cholesterol Diet Exacerbates Blood-Brain Barrier Disruption in LDLR <sup>-/-</sup> Mice: Impact on Cognitive Function. <i>Journal of Alzheimer's Disease</i> , 2020, 78, 97-115.	1.2	35
18	Mitochondrial NAD(P) <sup>+</sup> 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

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19	Animal Models of Metabolic Disorders in the Study of Neurodegenerative Diseases: An Overview. <i>Frontiers in Neuroscience</i> , 2020, 14, 604150.	1.4	31
20	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
21	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
22	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
23	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
24	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
25	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
26	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
27	Effect of Gut Microbiota Modulation on Hepatic Lipid Metabolism in C57Bl/6 and ob/ob Mice. <i>FASEB Journal</i> , 2019, 33, .	0.2	0
28	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
29	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
30	<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
31	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
32	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
33	Hypercholesterolemia impairs contextual fear conditioning memory formation in female mice. <i>NeuroReport</i> , 2018, 29, 1140-1143.	0.6	3
34	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
35	Antidepressant effects of creatine on amyloid $\beta$ 40-treated mice: The role of GSK-3 $\beta$ /Nrf2 pathway. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2018, 86, 270-278.	2.5	15
36	Diphenyl diselenide (PhSe) <sub>2</sub> cytoprotective effect on endothelial cells exposed to nitrooxidative stress. <i>Free Radical Biology and Medicine</i> , 2018, 120, S154.	1.3	0

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37	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
38	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
39	Organoselenium compounds as mimics of selenoproteins and thiol modifier agents. <i>Metallomics</i> , 2017, 9, 1703-1734.	1.0	119
40	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
41	MPP <sup>+</sup> -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
42	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
43	Selenocompounds in Cancer Therapy: An Overview. <i>Advances in Cancer Research</i> , 2017, 136, 259-302.	1.9	89
44	Atheroprotective action of a modified organoselenium compound: in vitro evidence. <i>Anais Da Academia Brasileira De Ciencias</i> , 2016, 88, 1953-1965.	0.3	3
45	Is there an association between hypercholesterolemia and depression? Behavioral evidence from the LDLr <sup>+/+</sup> mouse experimental model. <i>Behavioural Brain Research</i> , 2016, 311, 31-38.	1.2	24
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	Caffeine Mitigates the Locomotor Hyperactivity in Middle-Aged Low-Density Lipoprotein Receptor (LDL <sup>r</sup> ) Knockout Mice. <i>CNS Neuroscience and Therapeutics</i> , 2016, 22, 420-422.	1.9	8
48	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
49	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
50	Effects of Donepezil on Oxidative Stress and Cognitive Impairments in a Mouse Model of Familial Hypercholesterolemia. <i>Free Radical Biology and Medicine</i> , 2015, 87, S31.	1.3	0
51	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
52	Cholesterol Levels and Cognitive Impairments. , 2015, , 743-751.		2
53	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
54	Oxidative Inactivation of Nitric Oxide and Peroxynitrite Formation in the Vasculature. <i>ACS Symposium Series</i> , 2015, , 91-145.	0.5	6

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55	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
56	Probucol mitigates streptozotocin-induced cognitive and biochemical changes in mice. <i>Neuroscience</i> , 2015, 284, 590-600.	1.1	29
57	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
58	Neuroprotective effect of the proanthocyanidin-rich fraction in experimental model of spinal cord injury. <i>Journal of Pharmacy and Pharmacology</i> , 2014, 66, 694-704.	1.2	3
59	Low-density Lipoprotein Receptor: A Promising Therapeutic Target to Promote Cerebral Beta-amyloid Clearance?. <i>CNS Neuroscience and Therapeutics</i> , 2014, 20, 877-878.	1.9	0
60	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
61	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
62	Î²-Caryophyllene protects the C6 glioma cells against glutamate-induced excitotoxicity through the Nrf2 pathway. <i>Neuroscience</i> , 2014, 279, 220-231.	1.1	76
63	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
64	Increased Susceptibility to Amyloid-Î²-Induced Neurotoxicity in Mice Lacking the Low-Density Lipoprotein Receptor. <i>Journal of Alzheimer's Disease</i> , 2014, 41, 43-60.	1.2	48
65	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
66	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
67	Diphenyl diselenide modulates oxLDL-induced cytotoxicity in macrophage by improving the redox signaling. <i>Biochimie</i> , 2013, 95, 1544-1551.	1.3	29
68	Protective effects of diphenyl diselenide in a mouse model of brain toxicity. <i>Chemico-Biological Interactions</i> , 2013, 206, 18-26.	1.7	42
69	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
70	Effects of lifestyle modifications on cognitive impairments in a mouse model of hypercholesterolemia. <i>Neuroscience Letters</i> , 2013, 541, 193-198.	1.0	18
71	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
72	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

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73	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
74	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
75	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
76	Age-Related Cognitive Decline in Hypercholesterolemic LDL Receptor Knockout Mice (LDLr <sup>-/-</sup> ): 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
77	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
78	Influence of Hypercholesterolemia on Cerebral Oxidative Stress and Cell Damage Induced by Beta Amyloid Peptide in the Low Density Lipoprotein Receptor Knockout Mice. <i>Free Radical Biology and Medicine</i> , 2012, 53, S63.	1.3	0
79	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
80	Effect of diphenyl diselenide on the development of experimental autoimmune encephalomyelitis. <i>Neurochemistry International</i> , 2011, 59, 1155-1162.	1.9	22
81	Effects of K074 and pralidoxime on antioxidant and acetylcholinesterase response in malathion-poisoned mice. <i>NeuroToxicology</i> , 2011, 32, 888-895.	1.4	20
82	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
83	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
84	Diphenyl Diselenide Effectively Reduces Atherosclerotic Lesions in LDLr <sup>-/-</sup> Mice by Attenuation of Oxidative Stress and Inflammation. <i>Journal of Cardiovascular Pharmacology</i> , 2011, 58, 91-101.	0.8	58
85	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
86	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
87	Acute exposure of rabbits to diphenyl diselenide: a toxicological evaluation. <i>Journal of Applied Toxicology</i> , 2010, 30, 761-768.	1.4	14
88	<i>In vitro</i> Reactivating Effects of Standard and Newly Developed Oximes on Malaoxon-Inhibited Mouse Brain Acetylcholinesterase. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2010, 107, 768-773.	1.2	5
89	Oxidative stress-mediated inhibition of brain creatine kinase activity by methylmercury. <i>NeuroToxicology</i> , 2010, 31, 454-460.	1.4	57
90	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

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91	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
92	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
93	Atorvastatin prevents hippocampal cell death, neuroinflammation and oxidative stress following amyloid- $\beta$ 1 $\alpha$ 40 administration in mice: Evidence for dissociation between cognitive deficits and neuronal damage. <i>Experimental Neurology</i> , 2010, 226, 274-284.	2.0	94
94	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
95	17 $\beta$ -estradiol decreases methylmercury-induced neurotoxicity in male mice. <i>Environmental Toxicology and Pharmacology</i> , 2009, 27, 293-297.	2.0	30
96	Synergistic neurotoxicity induced by methylmercury and quercetin in mice. <i>Food and Chemical Toxicology</i> , 2009, 47, 645-649.	1.8	28
97	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
98	Oximes as inhibitors of low density lipoprotein oxidation. <i>Life Sciences</i> , 2008, 83, 878-885.	2.0	13
99	Diphenyl diselenide, a simple glutathione peroxidase mimetic, inhibits human LDL oxidation in vitro. <i>Atherosclerosis</i> , 2008, 201, 92-100.	0.4	54
100	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
101	Circulating CD40 ligand in peripheral arterial disease. <i>Thrombosis Research</i> , 2007, 120, 781-782.	0.8	0
102	Enzymes that hydrolyze adenine nucleotides of patients with hypercholesterolemia and inflammatory processes. <i>FEBS Journal</i> , 2007, 274, 2707-2714.	2.2	37
103	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
104	Ethanol inhibits $\gamma$ -aminolevulinatase 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
105	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
106	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
107	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
108	A comparative study of albendazole and mebendazole-induced, time-dependent oxidative stress. <i>Redox Report</i> , 2004, 9, 89-95.	1.4	32

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109	Time-dependent oxidative stress caused by benznidazole. Redox Report, 2001, 6, 265-270.	1.4	39