

Fernando Dobrachinski

List of Publications by Year in descending order

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Version: 2024-02-01

64
papers

1,636
citations

236912

25
h-index

330122

37
g-index

64
all docs

64
docs citations

64
times ranked

2585
citing authors

#	ARTICLE	IF	CITATIONS
1	Behavioral effects of traumatic brain injury: Use of guanosine. , 2022, , 501-513.		0
2	Antimicrobial and Toxicity Evaluation of Imidazolium-Based Dicationic Ionic Liquids with Dicarboxylate Anions. <i>Pharmaceutics</i> , 2021, 13, 639.	4.5	10
3	JM-20 Treatment After Mild Traumatic Brain Injury Reduces Glial Cell Pro-inflammatory Signaling and Behavioral and Cognitive Deficits by Increasing Neurotrophin Expression. <i>Molecular Neurobiology</i> , 2021, 58, 4615-4627.	4.0	6
4	Diclofenac Administration after Physical Training Blunts Adaptations of Peripheral Systems and Leads to Losses in Exercise Performance: In Vivo and In Silico Analyses. <i>Antioxidants</i> , 2021, 10, 1246.	5.1	1
5	Caenorhabditis elegans as a model for studies on quinolinic acid-induced NMDAR-dependent glutamatergic disorders. <i>Brain Research Bulletin</i> , 2021, 175, 90-98.	3.0	3
6	Diphenyl diselenide blunts swimming training on mitochondrial liver redox adaptation mechanisms of aged animals. <i>Sport Sciences for Health</i> , 2020, 16, 281-290.	1.3	0
7	Combined platelet-rich plasma and cold water immersion treatment minimize the damage following a skeletal muscle stretch injury in rats. <i>Platelets</i> , 2020, 31, 1039-1051.	2.3	1
8	N,Nâ€™ bis-(2-mercaptoethyl) isophthalamide induces developmental delay in Caenorhabditis elegans by promoting DAF-16 nuclear localization. <i>Toxicology Reports</i> , 2020, 7, 930-937.	3.3	9
9	Guanosine protects against behavioural and mitochondrial bioenergetic alterations after mild traumatic brain injury. <i>Brain Research Bulletin</i> , 2020, 163, 31-39.	3.0	13
10	The insertion of functional groups in organic selenium compounds promote changes in mitochondrial parameters and raise the antibacterial activity. <i>Bioorganic Chemistry</i> , 2020, 98, 103727.	4.1	6
11	The effects of manganese overexposure on brain health. <i>Neurochemistry International</i> , 2020, 135, 104688.	3.8	65
12	Guanosine Attenuates Behavioral Deficits After Traumatic Brain Injury by Modulation of Adenosinergic Receptors. <i>Molecular Neurobiology</i> , 2019, 56, 3145-3158.	4.0	26
13	Guanosine Prevents against Glutamatergic Excitotoxicity in C. elegans. <i>Neuroscience</i> , 2019, 414, 265-272.	2.3	3
14	A1 rather than A2A adenosine receptor as a possible target of Guanosine effects on mitochondrial dysfunction following Traumatic Brain Injury in rats. <i>Neuroscience Letters</i> , 2019, 704, 141-144.	2.1	13
15	Guanosine protects against Ca ²⁺ -induced mitochondrial dysfunction in rats. <i>Biomedicine and Pharmacotherapy</i> , 2019, 111, 1438-1446.	5.6	10
16	6-Hydroxydopamine induces different mitochondrial bioenergetics response in brain regions of rat. <i>NeuroToxicology</i> , 2019, 70, 1-11.	3.0	14
17	Antibacterial and antioxidant effects of Rosmarinus officinalis L. extract and its fractions. <i>Journal of Traditional and Complementary Medicine</i> , 2019, 9, 383-392.	2.7	28
18	Impact of Anions on the Partition Constant, Self-Diffusion, Thermal Stability, and Toxicity of Dicationic Ionic Liquids. <i>ACS Omega</i> , 2018, 3, 734-743.	3.5	14

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19	Multiple mechanistic action of <i>Rosmarinus officinalis</i> L. extract against ethanol effects in an acute model of intestinal damage. <i>Biomedicine and Pharmacotherapy</i> , 2018, 98, 454-459.	5.6	7
20	Quinolinic acid and glutamatergic neurodegeneration in <i>Caenorhabditis elegans</i> . <i>NeuroToxicology</i> , 2018, 67, 94-101.	3.0	18
21	Caffeine and acetaminophen association: Effects on mitochondrial bioenergetics. <i>Life Sciences</i> , 2018, 193, 234-241.	4.3	21
22	Regulation of Mitochondrial Function and Glutamatergic System Are the Target of Guanosine Effect in Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2017, 34, 1318-1328.	3.4	18
23	Antioxidant protection by selenoamines against thioacetamide-induced oxidative stress and hepatotoxicity in mice. <i>Journal of Biochemical and Molecular Toxicology</i> , 2017, 31, e21974.	3.0	5
24	Guanosine Protects Against Traumatic Brain Injury-Induced Functional Impairments and Neuronal Loss by Modulating Excitotoxicity, Mitochondrial Dysfunction, and Inflammation. <i>Molecular Neurobiology</i> , 2017, 54, 7585-7596.	4.0	37
25	Antiviral Action of Diphenyl Diselenide on Herpes Simplex Virus 2 Infection in Female BALB/c Mice. <i>Journal of Cellular Biochemistry</i> , 2016, 117, 1638-1648.	2.6	45
26	Diclofenac pretreatment effects on the toll-like receptor 4/nuclear factor kappa B-mediated inflammatory response to eccentric exercise in rat liver. <i>Life Sciences</i> , 2016, 148, 247-253.	4.3	30
27	A neuronal disruption in redox homeostasis elicited by ammonia alters the glycine/glutamate (GABA) cycle and contributes to MMA-induced excitability. <i>Amino Acids</i> , 2016, 48, 1373-1389.	2.7	14
28	The Impact of Previous Physical Training on Redox Signaling after Traumatic Brain Injury in Rats: A Behavioral and Neurochemical Approach. <i>Journal of Neurotrauma</i> , 2016, 33, 1317-1330.	3.4	31
29	Homeostatic effect of p-chloro-diphenyl diselenide on glucose metabolism and mitochondrial function alterations induced by monosodium glutamate administration to rats. <i>Amino Acids</i> , 2016, 48, 137-148.	2.7	18
30	Free radical scavenging in vitro and biological activity of diphenyl diselenide-loaded nanocapsules: DPDS-NCS antioxidant and toxicological effects. <i>International Journal of Nanomedicine</i> , 2015, 10, 5663.	6.7	8
31	Protective Effects of Aqueous Extract of <i>Luehea divaricata</i> against Behavioral and Oxidative Changes Induced by 3-Nitropropionic Acid in Rats. <i>Evidence-based Complementary and Alternative Medicine</i> , 2015, 2015, 1-11.	1.2	19
32	Centella asiatica and Its Fractions Reduces Lipid Peroxidation Induced by Quinolinic Acid and Sodium Nitroprusside in Rat Brain Regions. <i>Neurochemical Research</i> , 2015, 40, 1197-1210.	3.3	14
33	Effect of diselenide administration in thioacetamide-induced acute neurological and hepatic failure in mice. <i>Toxicology Research</i> , 2015, 4, 707-717.	2.1	12
34	Protective effects of novel organic selenium compounds against oxidative stress in the nematode <i>Caenorhabditis elegans</i> . <i>Toxicology Reports</i> , 2015, 2, 961-967.	3.3	26
35	Fumonisin B1 facilitates seizures induced by pentylenetetrazol in mice. <i>Neurotoxicology and Teratology</i> , 2015, 51, 61-67.	2.4	18
36	Caffeine Intake May Modulate Inflammation Markers in Trained Rats. <i>Nutrients</i> , 2014, 6, 1678-1690.	4.1	24

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37	Neuroprotective Effect of Diphenyl Diselenide in a Experimental Stroke Model: Maintenance of Redox System in Mitochondria of Brain Regions. <i>Neurotoxicity Research</i> , 2014, 26, 317-330.	2.7	31
38	Moderate swimming exercise and caffeine supplementation reduce the levels of inflammatory cytokines without causing oxidative stress in tissues of middle-aged rats. <i>Amino Acids</i> , 2014, 46, 1187-1195.	2.7	35
39	Diphenyl diselenide supplemented diet reduces depressive-like behavior in hypothyroid female rats. <i>Physiology and Behavior</i> , 2014, 124, 116-122.	2.1	22
40	Caffeine suppresses exercise-enhanced long-term and location memory in middle-aged rats: Involvement of hippocampal Akt and CREB signaling. <i>Chemico-Biological Interactions</i> , 2014, 223, 95-101.	4.0	12
41	Caffeine supplementation modulates oxidative stress markers in the liver of trained rats. <i>Life Sciences</i> , 2014, 96, 40-45.	4.3	44
42	Treadmill Exercise Protects Against Pentylentetrazol-Induced Seizures and Oxidative Stress after Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2013, 30, 1278-1287.	3.4	40
43	Cryotherapy reduces skeletal muscle damage after ischemia/reperfusion in rats. <i>Journal of Anatomy</i> , 2013, 222, 223-230.	1.5	17
44	Evaluation of in vitro antioxidant effect of new mono and diselenides. <i>Toxicology in Vitro</i> , 2013, 27, 1433-1439.	2.4	62
45	Protective action of ethanolic extract of <i>Rosmarinus officinalis</i> L. in gastric ulcer prevention induced by ethanol in rats. <i>Food and Chemical Toxicology</i> , 2013, 55, 48-55.	3.6	113
46	Effects of Diphenyl Diselenide on Methylmercury Toxicity in Rats. <i>BioMed Research International</i> , 2013, 2013, 1-12.	1.9	31
47	Swimming Training Induces Liver Mitochondrial Adaptations to Oxidative Stress in Rats Submitted to Repeated Exhaustive Swimming Bouts. <i>PLoS ONE</i> , 2013, 8, e55668.	2.5	72
48	Reduction of Acute Hepatic Damage Induced by Acetaminophen after Treatment with Diphenyl Diselenide in Mice. <i>Toxicologic Pathology</i> , 2012, 40, 605-613.	1.8	13
49	The antioxidant properties of different phthalocyanines. <i>Toxicology in Vitro</i> , 2012, 26, 125-132.	2.4	46
50	Isatin-3-N4-benzilthiosemicarbazone, a non-toxic thiosemicarbazone derivative, protects and reactivates rat and human cholinesterases inhibited by methamidophos in vitro and in silico. <i>Toxicology in Vitro</i> , 2012, 26, 1030-1039.	2.4	8
51	Diphenyl diselenide diet intake improves spatial learning and memory deficits in hypothyroid female rats. <i>International Journal of Developmental Neuroscience</i> , 2012, 30, 83-89.	1.6	26
52	Cooperation of Non-Effective Concentration of Glutamatergic System Modulators and Antioxidant Against Oxidative Stress Induced by Quinolinic Acid. <i>Neurochemical Research</i> , 2012, 37, 1993-2003.	3.3	7
53	The combination of organoselenium compounds and guanosine prevents glutamate-induced oxidative stress in different regions of rat brains. <i>Brain Research</i> , 2012, 1430, 101-111.	2.2	17
54	Protective effect of brown Brazilian propolis against acute vaginal lesions caused by herpes simplex virus type 2 in mice: involvement of antioxidant and anti-inflammatory mechanisms. <i>Cell Biochemistry and Function</i> , 2012, 30, 1-10.	2.9	36

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55	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.	2.7	57
56	Therapeutic cold: An effective kind to modulate the oxidative damage resulting of a skeletal muscle contusion. <i>Free Radical Research</i> , 2011, 45, 133-146.	3.3	38
57	Effect of repeated restraint stress and clomipramine on Na ⁺ /K ⁺ â€”ATPase activity and behavior in rats. <i>International Journal of Developmental Neuroscience</i> , 2011, 29, 909-916.	1.6	9
58	Clomipramine Treatment and Repeated Restraint Stress Alter Parameters of Oxidative Stress in Brain Regions of Male Rats. <i>Neurochemical Research</i> , 2010, 35, 1761-1770.	3.3	25
59	Swimming training prevents pentylenetetrazolâ€”induced inhibition of Na ⁺ , K ⁺ â€”ATPase activity, seizures, and oxidative stress. <i>Epilepsia</i> , 2009, 50, 811-823.	5.1	74
60	Additive anticonvulsant effects of creatine supplementation and physical exercise against pentylenetetrazol-induced seizures. <i>Neurochemistry International</i> , 2009, 55, 333-340.	3.8	55
61	Oximes as inhibitors of low density lipoprotein oxidation. <i>Life Sciences</i> , 2008, 83, 878-885.	4.3	13
62	An organotellurium compound with antioxidant activity against excitotoxic agents without neurotoxic effects in brain of rats. <i>Brain Research Bulletin</i> , 2008, 76, 114-123.	3.0	39
63	Diethyl 2-phenyl-2 tellurophenyl vinylphosphonate: An organotellurium compound with low toxicity. <i>Toxicology</i> , 2006, 224, 100-107.	4.2	32
64	Extracellular conversion of guanine-based purines to guanosine specifically enhances astrocyte glutamate uptake. <i>Brain Research</i> , 2003, 972, 84-89.	2.2	75