

Mauro Schneider Oliveira

List of Publications by Year in descending order

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Version: 2024-02-01

104
papers

2,566
citations

159585

30
h-index

254184

43
g-index

107
all docs

107
docs citations

107
times ranked

3457
citing authors

#	ARTICLE	IF	CITATIONS
1	Hepatic susceptibility to oxidative damage after repeated concomitant exposure to aspartame and aflatoxin B1 in rats. <i>Drug and Chemical Toxicology</i> , 2022, 45, 2780-2785.	2.3	4
2	Anticonvulsant activity of Î²-caryophyllene in association with pregabalin in a seizure model in rats. <i>Epilepsy Research</i> , 2022, 179, 106842.	1.6	4
3	Beta-caryophyllene attenuates short-term recurrent seizure activity and blood-brain-barrier breakdown after pilocarpine-induced status epilepticus in rats. <i>Brain Research</i> , 2022, 1784, 147883.	2.2	3
4	Recent advances in assessing the effects of mycotoxins using animal models. <i>Current Opinion in Food Science</i> , 2022, 47, 100874.	8.0	7
5	Therapeutic potential of beta-caryophyllene against aflatoxin B1-Induced liver toxicity: biochemical and molecular insights in rats. <i>Chemico-Biological Interactions</i> , 2021, 348, 109635.	4.0	14
6	The immunological influence of physical exercise on TBI-induced pathophysiology: Crosstalk between the spleen, gut, and brain. <i>Neuroscience and Biobehavioral Reviews</i> , 2021, 130, 15-30.	6.1	11
7	Physical Exercise as a Modulator of Vascular Pathology and Thrombin Generation to Improve Outcomes After Traumatic Brain Injury. <i>Molecular Neurobiology</i> , 2021, , 1.	4.0	0
8	Sustained glial reactivity induced by glutaric acid may be the trigger to learning delay in early and late phases of development: Involvement of p75NTR receptor and protection by N-acetylcysteine. <i>Brain Research</i> , 2020, 1749, 147145.	2.2	2
9	MnSOD Ala16Val polymorphism in cognitive dysfunction in patients with epilepsy: A relationship with oxidative and inflammatory markers. <i>Epilepsy and Behavior</i> , 2020, 112, 107346.	1.7	3
10	The role of mitochondrial bioenergetics and oxidative stress in depressive behavior in recurrent concussion model in mice. <i>Life Sciences</i> , 2020, 257, 117991.	4.3	4
11	Apoptotic Markers Are Increased in Epilepsy Patients: A Relation with Manganese Superoxide Dismutase Ala16Val Polymorphism and Seizure Type through IL-1Î² and IL-6 Pathways. <i>BioMed Research International</i> , 2020, 2020, 1-9.	1.9	14
12	Phenytoin-loaded lipid-core nanocapsules improve the technological properties and in vivo performance of fluidised bed granules. <i>Materials Science and Engineering C</i> , 2020, 111, 110753.	7.3	6
13	Neuroprotective effects of thromboxane receptor antagonist SQ 29,548 after pilocarpine-induced status epilepticus in mice. <i>Epilepsy Research</i> , 2020, 160, 106277.	1.6	2
14	Chrysin suppress immune responses and protects from experimental autoimmune encephalomyelitis in mice. <i>Journal of Neuroimmunology</i> , 2019, 335, 577007.	2.3	20
15	Potential therapeutic implications of ergogenic compounds on pathophysiology induced by traumatic brain injury: A narrative review. <i>Life Sciences</i> , 2019, 233, 116684.	4.3	6
16	Involvement of MnSOD Ala16Val polymorphism in epilepsy: A relationship with seizure type, inflammation, and metabolic syndrome. <i>Gene</i> , 2019, 711, 143924.	2.2	9
17	Galangin Prevents Increased Susceptibility to Pentylentetrazol-Stimulated Seizures by Prostaglandin E2. <i>Neuroscience</i> , 2019, 413, 154-168.	2.3	10
18	Chrysin protects against behavioral, cognitive and neurochemical alterations in a 6-hydroxydopamine model of Parkinson's disease. <i>Neuroscience Letters</i> , 2019, 706, 158-163.	2.1	34

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19	Oral administration of lutein attenuates ethanol-induced memory deficit in rats by restoration of acetylcholinesterase activity. <i>Physiology and Behavior</i> , 2019, 204, 121-128.	2.1	11
20	Delayed creatine supplementation counteracts reduction of GABAergic function and protects against seizures susceptibility after traumatic brain injury in rats. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2019, 92, 328-338.	4.8	26
21	Modulation of Na ⁺ /K ⁺ -ATPase activity by triterpene 3 β , 6 β , 16 β -trihydroxylup-20 (29)-ene (TTHL) limits the long-term secondary degeneration after traumatic brain injury in mice. <i>European Journal of Pharmacology</i> , 2019, 854, 387-397.	3.5	7
22	Involvement of the Cholinergic Parameters and Glial Cells in Learning Delay Induced by Glutaric Acid: Protection by N-Acetylcysteine. <i>Molecular Neurobiology</i> , 2019, 56, 4945-4959.	4.0	5
23	Effect of atorvastatin on behavioral alterations and neuroinflammation during epileptogenesis. <i>Epilepsy and Behavior</i> , 2018, 78, 109-117.	1.7	23
24	Na ⁺ , K ⁺ -ATPase Activating Antibody Displays in vitro and in vivo Beneficial Effects in the Pilocarpine Model of Epilepsy. <i>Neuroscience</i> , 2018, 377, 98-104.	2.3	9
25	Aflatoxin B1 reduces non-enzymatic antioxidant defenses and increases protein kinase C activation in the cerebral cortex of young rats. <i>Nutritional Neuroscience</i> , 2018, 21, 268-275.	3.1	27
26	Subtle improvement of seizure susceptibility by atorvastatin treatment during epileptogenesis. <i>Pharmacological Reports</i> , 2018, 70, 364-371.	3.3	2
27	Cerebral Malaria Causes Enduring Behavioral and Molecular Changes in Mice Brain Without Causing Gross Histopathological Damage. <i>Neuroscience</i> , 2018, 369, 66-75.	2.3	13
28	Reconstituted spray-dried phenytoin-loaded nanocapsules improve the in vivo phenytoin anticonvulsant effect and the survival time in mice. <i>International Journal of Pharmaceutics</i> , 2018, 551, 121-132.	5.2	15
29	Anticonvulsant-like effect of thromboxane receptor agonist U-46619 against pentylenetetrazol-induced seizures. <i>Epilepsy Research</i> , 2018, 146, 137-143.	1.6	3
30	Depressive, inflammatory, and metabolic factors associated with cognitive impairment in patients with epilepsy. <i>Epilepsy and Behavior</i> , 2018, 86, 49-57.	1.7	25
31	Ammonia role in glial dysfunction in methylmalonic acidemia. <i>Toxicology Letters</i> , 2018, 295, 237-248.	0.8	6
32	Anticonvulsant activity of <i>Caryocar coriaceum</i> Wittm. fixed pulp oil against pentylenetetrazol-induced seizures. <i>Neurological Research</i> , 2017, 39, 667-674.	1.3	5
33	Methylmalonate Induces Inflammatory and Apoptotic Potential: A Link to Glial Activation and Neurological Dysfunction. <i>Journal of Neuropathology and Experimental Neurology</i> , 2017, 76, 160-178.	1.7	18
34	Î±-Spinasterol: a COX inhibitor and a transient receptor potential vanilloid 1 antagonist presents an antinociceptive effect in clinically relevant models of pain in mice. <i>British Journal of Pharmacology</i> , 2017, 174, 4247-4262.	5.4	25
35	EP2 receptor agonist ONO-AE1-259-01 attenuates pentylenetetrazole- and pilocarpine-induced seizures but causes hippocampal neurotoxicity. <i>Epilepsy and Behavior</i> , 2017, 73, 180-188.	1.7	11
36	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

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37	The role of kinin B ₁ receptor and the effect of angiotensin I-converting enzyme inhibition on acute gout attacks in rodents. <i>Annals of the Rheumatic Diseases</i> , 2016, 75, 260-268.	0.9	38
38	Increased susceptibility to pentylentetrazol following survival of cerebral malaria in mice. <i>Epilepsia</i> , 2016, 57, e140-5.	5.1	7
39	Increased xanthine oxidase-related ROS production and TRPV1 synthesis preceding DOMS post-eccentric exercise in rats. <i>Life Sciences</i> , 2016, 152, 52-59.	4.3	16
40	Rosmarinic acid is anticonvulsant against seizures induced by pentylentetrazol and pilocarpine in mice. <i>Epilepsy and Behavior</i> , 2016, 62, 27-34.	1.7	29
41	Anticonvulsant activity of \hat{I}^2 -caryophyllene against pentylentetrazol-induced seizures. <i>Epilepsy and Behavior</i> , 2016, 56, 26-31.	1.7	83
42	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
43	Intrahippocampal infusion of spermidine improves memory persistence: Involvement of protein kinase A. <i>Neurobiology of Learning and Memory</i> , 2016, 131, 18-25.	1.9	7
44	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
45	Evaluation of potential gender-related differences in behavioral and cognitive alterations following pilocarpine-induced status epilepticus in C57BL/6 mice. <i>Physiology and Behavior</i> , 2015, 143, 142-150.	2.1	31
46	Lycopene protects against acute zearalenone-induced oxidative, endocrine, inflammatory and reproductive damages in male mice. <i>Chemico-Biological Interactions</i> , 2015, 230, 50-57.	4.0	60
47	Fumonisin B1 facilitates seizures induced by pentylentetrazol in mice. <i>Neurotoxicology and Teratology</i> , 2015, 51, 61-67.	2.4	18
48	Contrasting effects of Na ⁺ , K ⁺ -ATPase activation on seizure activity in acute versus chronic models. <i>Neuroscience</i> , 2015, 298, 171-179.	2.3	27
49	Long-term decrease in Na ⁺ ,K ⁺ -ATPase activity after pilocarpine-induced status epilepticus is associated with nitration of its alpha subunit. <i>Epilepsy Research</i> , 2014, 108, 1705-1710.	1.6	26
50	Commentary on Kaushik et al.: Prostaglandin D2 is crucial for seizure suppression and postictal sleep. Novel evidence supporting a role for prostanoid receptors in seizure control. <i>Experimental Neurology</i> , 2014, 257, 157-161.	4.1	7
51	HOE-140, an antagonist of B2 receptor, protects against memory deficits and brain damage induced by moderate lateral fluid percussion injury in mice. <i>Psychopharmacology</i> , 2014, 231, 1935-1948.	3.1	14
52	Lycopene treatment prevents hematological, reproductive and histopathological damage induced by acute zearalenone administration in male Swiss mice. <i>Experimental and Toxicologic Pathology</i> , 2014, 66, 179-185.	2.1	54
53	Involvement of oxidative stress in subacute toxicity induced by fumonisin B1 in broiler chicks. <i>Veterinary Microbiology</i> , 2014, 174, 180-185.	1.9	39
54	Chronic administration of methylmalonate on young rats alters neuroinflammatory markers and spatial memory. <i>Immunobiology</i> , 2013, 218, 1175-1183.	1.9	24

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55	Atorvastatin withdrawal elicits oxidative/nitrosative damage in the rat cerebral cortex. <i>Pharmacological Research</i> , 2013, 71, 1-8.	7.1	12
56	Neuroprotective Effect of Physical Exercise in a Mouse Model of Alzheimer's Disease Induced by β -Amyloid β 40 Peptide. <i>Neurotoxicity Research</i> , 2013, 24, 148-163.	2.7	72
57	Accumulation, elimination, and effects of parenteral exposure to aluminum in newborn and adult rats. <i>Journal of Inorganic Biochemistry</i> , 2013, 128, 215-220.	3.5	13
58	Pentylentetrazol-induced seizures are associated with Na ⁺ ,K ⁺ -ATPase activity decrease and alpha subunit phosphorylation state in the mice cerebral cortex. <i>Epilepsy Research</i> , 2013, 105, 396-400.	1.6	14
59	The effect of NADPH-oxidase inhibitor apocynin on cognitive impairment induced by moderate lateral fluid percussion injury: Role of inflammatory and oxidative brain damage. <i>Neurochemistry International</i> , 2013, 63, 583-593.	3.8	60
60	Acute creatine administration improves mitochondrial membrane potential and protects against pentylentetrazol-induced seizures. <i>Amino Acids</i> , 2013, 44, 857-868.	2.7	26
61	Fish oil attenuates methylmalonate-induced seizures. <i>Epilepsy Research</i> , 2013, 105, 69-76.	1.6	16
62	Time-dependent effects of treadmill exercise on aversive memory and cyclooxygenase pathway function. <i>Neurobiology of Learning and Memory</i> , 2012, 98, 182-187.	1.9	14
63	Creatine reduces oxidative stress markers but does not protect against seizure susceptibility after severe traumatic brain injury. <i>Brain Research Bulletin</i> , 2012, 87, 180-186.	3.0	37
64	Creatine increases hippocampal Na ⁺ ,K ⁺ -ATPase activity via NMDA β calcineurin pathway. <i>Brain Research Bulletin</i> , 2012, 88, 553-559.	3.0	22
65	Acute adenosine increases cardiac vagal and reduces sympathetic efferent nerve activities in rats. <i>Experimental Physiology</i> , 2012, 97, 719-729.	2.0	11
66	Involvement of hippocampal CAMKII/CREB signaling in the spatial memory retention induced by creatine. <i>Amino Acids</i> , 2012, 43, 2491-2503.	2.7	32
67	Prostaglandin E ₂ potentiates methylmalonate β induced seizures. <i>Epilepsia</i> , 2012, 53, 189-198.	5.1	28
68	Spermidine decreases Na ⁺ ,K ⁺ -ATPase activity through NMDA receptor and protein kinase G activation in the hippocampus of rats. <i>European Journal of Pharmacology</i> , 2012, 684, 79-86.	3.5	34
69	Traxoprodil decreases pentylentetrazol-induced seizures. <i>Epilepsy Research</i> , 2012, 100, 12-19.	1.6	9
70	Possible role for glutathione-S-transferase in the oligozoospermia elicited by acute zearalenone administration in Swiss albino mice. <i>Toxicon</i> , 2012, 60, 358-366.	1.6	16
71	Exercise Pre-conditioning Reduces Brain Inflammation and Protects against Toxicity Induced by Traumatic Brain Injury: Behavioral and Neurochemical Approach. <i>Neurotoxicity Research</i> , 2012, 21, 175-184.	2.7	52
72	The involvement of Na ⁺ , K ⁺ -ATPase activity and free radical generation in the susceptibility to pentylentetrazol-induced seizures after experimental traumatic brain injury. <i>Journal of the Neurological Sciences</i> , 2011, 308, 35-40.	0.6	54

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73	Standardized extract of <i>Dicksonia sellowiana</i> Presl. Hook (Dicksoniaceae) decreases oxidative damage in cultured endothelial cells and in rats. <i>Journal of Ethnopharmacology</i> , 2011, 133, 999-1007.	4.1	10
74	Morphological and electrophysiological properties of pyramidal-like neurons in the stratum oriens of Cornu ammonis 1 and Cornu ammonis 2 area of <i>Proechimys</i> . <i>Neuroscience</i> , 2011, 177, 252-268.	2.3	23
75	Epileptiform activity in the limbic system. <i>Frontiers in Bioscience - Scholar</i> , 2011, S3, 565-593.	2.1	7
76	Differential effects of atorvastatin treatment and withdrawal on pentylenetetrazol-induced seizures. <i>Epilepsia</i> , 2011, 52, 2094-2104.	5.1	34
77	<i>Trypanosoma evansi</i> : Concentration of 3-nitrotyrosine in the brain of infected rats. <i>Experimental Parasitology</i> , 2011, 129, 27-30.	1.2	7
78	Chronic deficit in the expression of voltage-gated potassium channel Kv3.4 subunit in the hippocampus of pilocarpine-treated epileptic rats. <i>Brain Research</i> , 2011, 1368, 308-316.	2.2	8
79	Lipopolysaccharide enhances glutaric acid-induced seizure susceptibility in rat pups: Behavioral and electroencephalographic approach. <i>Epilepsy Research</i> , 2011, 93, 138-148.	1.6	17
80	Altered expression and function of small-conductance (SK) Ca ²⁺ -activated K ⁺ channels in pilocarpine-treated epileptic rats. <i>Brain Research</i> , 2010, 1348, 187-199.	2.2	40
81	Efeitos do Foscarnet sobre a infecção pelo herpesvírus bovino tipos 1 e 5 em coelhos. <i>Pesquisa Veterinaria Brasileira</i> , 2010, 30, 623-630.	0.5	1
82	Adaptation to oxidative challenge induced by chronic physical exercise prevents Na ⁺ ,K ⁺ -ATPase activity inhibition after traumatic brain injury. <i>Brain Research</i> , 2009, 1279, 147-155.	2.2	53
83	Nitric oxide and potassium channels mediate GM1 ganglioside-induced vasorelaxation. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2009, 380, 487-495.	3.0	9
84	Swimming training prevents pentylenetetrazol-induced inhibition of Na ⁺ ,K ⁺ -ATPase activity, seizures, and oxidative stress. <i>Epilepsia</i> , 2009, 50, 811-823.	5.1	74
85	Prostaglandin E ₂ modulates Na ⁺ ,K ⁺ -ATPase activity in rat hippocampus: implications for neurological diseases. <i>Journal of Neurochemistry</i> , 2009, 109, 416-426.	3.9	34
86	Kinetic characterization of [³ H]glutamate uptake inhibition and increase oxidative damage induced by glutaric acid in striatal synaptosomes of rats. <i>International Journal of Developmental Neuroscience</i> , 2009, 27, 65-72.	1.6	26
87	Methylmalonate-induced seizures are attenuated in inducible nitric oxide synthase knockout mice. <i>International Journal of Developmental Neuroscience</i> , 2009, 27, 157-163.	1.6	14
88	Additive anticonvulsant effects of creatine supplementation and physical exercise against pentylenetetrazol-induced seizures. <i>Neurochemistry International</i> , 2009, 55, 333-340.	3.8	55
89	Cyclooxygenase-2/PGE2 pathway facilitates pentylenetetrazol-induced seizures. <i>Epilepsy Research</i> , 2008, 79, 14-21.	1.6	86
90	Neuromodulatory effect of creatine on extracellular action potentials in rat hippocampus: Role of NMDA receptors. <i>Neurochemistry International</i> , 2008, 53, 33-37.	3.8	40

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91	l-NAME prevents GM1 ganglioside-induced vasodilation in the rat brain. <i>Neurochemistry International</i> , 2008, 53, 362-369.	3.8	8
92	Modulation of pentylenetetrazol-induced seizures by prostaglandin E2 receptors. <i>Neuroscience</i> , 2008, 152, 1110-1118.	2.3	34
93	The involvement of the polyamines binding sites at the NMDA receptor in creatine-induced spatial learning enhancement. <i>Behavioural Brain Research</i> , 2008, 187, 200-204.	2.2	28
94	Na ⁺ ,K ⁺ -ATPase activity impairment after experimental traumatic brain injury: Relationship to spatial learning deficits and oxidative stress. <i>Behavioural Brain Research</i> , 2008, 193, 306-310.	2.2	69
95	Methylene blue prevents methylmalonate-induced seizures and oxidative damage in rat striatum. <i>Neurochemistry International</i> , 2007, 50, 164-171.	3.8	39
96	The role of nitric oxide on the convulsive behavior and oxidative stress induced by methylmalonate: An electroencephalographic and neurochemical study. <i>Epilepsy Research</i> , 2007, 73, 228-237.	1.6	33
97	Creatine decreases convulsions and neurochemical alterations induced by glutaric acid in rats. <i>Brain Research</i> , 2007, 1185, 336-345.	2.2	30
98	GM1 ganglioside induces vasodilation and increases catalase content in the brain. <i>Free Radical Biology and Medicine</i> , 2007, 43, 924-932.	2.9	13
99	GM1 ganglioside prevents seizures, Na ⁺ ,K ⁺ -ATPase activity inhibition and oxidative stress induced by glutaric acid and pentylenetetrazole. <i>Neurobiology of Disease</i> , 2006, 22, 611-623.	4.4	88
100	Effectiveness of creatine monohydrate on seizures and oxidative damage induced by methylmalonate. <i>Pharmacology Biochemistry and Behavior</i> , 2006, 83, 136-144.	2.9	39
101	Î±-Tocopherol protects against pentylenetetrazol- and methylmalonate-induced convulsions. <i>Epilepsy Research</i> , 2005, 66, 185-194.	1.6	46
102	Involvement of NO in the convulsive behavior and oxidative damage induced by the intrastriatal injection of methylmalonate. <i>Neuroscience Letters</i> , 2005, 376, 116-120.	2.1	20
103	Ascorbate modulates pentylenetetrazol-induced convulsions biphasically. <i>Neuroscience</i> , 2004, 128, 721-728.	2.3	65
104	Creatine protects against the convulsive behavior and lactate production elicited by the intrastriatal injection of methylmalonate. <i>Neuroscience</i> , 2003, 118, 1079-1090.	2.3	47