

Diogo O Souza

List of Publications by Year in descending order

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473
papers

17,584
citations

15504

65
h-index

33894

99
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476
all docs

476
docs citations

476
times ranked

16598
citing authors

#	ARTICLE	IF	CITATIONS
1	Caffeine and adenosine A2a receptor antagonists prevent β -amyloid (25-35)-induced cognitive deficits in mice. <i>Experimental Neurology</i> , 2007, 203, 241-245.	4.1	325
2	Oxidative stress parameters in unmedicated and treated bipolar subjects during initial manic episode: A possible role for lithium antioxidant effects. <i>Neuroscience Letters</i> , 2007, 421, 33-36.	2.1	281
3	Quinolinic acid stimulates synaptosomal glutamate release and inhibits glutamate uptake into astrocytes. <i>Neurochemistry International</i> , 2002, 40, 621-627.	3.8	247
4	Involvement of glutamate and reactive oxygen species in methylmercury neurotoxicity. <i>Brazilian Journal of Medical and Biological Research</i> , 2007, 40, 285-291.	1.5	243
5	Neuroprotection by caffeine and adenosine A2A receptor blockade of β -amyloid neurotoxicity. <i>British Journal of Pharmacology</i> , 2003, 138, 1207-1209.	5.4	219
6	Effects of linalool on glutamatergic system in the rat cerebral cortex. <i>Neurochemical Research</i> , 1995, 20, 461-465.	3.3	194
7	AgRP Neurons Mediate Sirt1's Action on the Melanocortin System and Energy Balance: Roles for Sirt1 in Neuronal Firing and Synaptic Plasticity. <i>Journal of Neuroscience</i> , 2010, 30, 11815-11825.	3.6	194
8	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.	2.8	191
9	Riluzole Enhances Glutamate Uptake in Rat Astrocyte Cultures. <i>Cellular and Molecular Neurobiology</i> , 2004, 24, 123-128.	3.3	188
10	Decreased Plasma Brain Derived Neurotrophic Factor Levels in Unmedicated Bipolar Patients During Manic Episode. <i>Biological Psychiatry</i> , 2007, 61, 142-144.	1.3	187
11	Anticonvulsant properties of linalool in glutamate-related seizure models. <i>Phytomedicine</i> , 1999, 6, 107-113.	5.3	181
12	Methylmercury induces oxidative injury, alterations in permeability and glutamine transport in cultured astrocytes. <i>Brain Research</i> , 2007, 1131, 1-10.	2.2	163
13	Serum levels of S100B and NSE proteins in Alzheimer's disease patients. <i>Journal of Neuroinflammation</i> , 2010, 7, 6.	7.2	158
14	Neuropsychiatric Evaluation in Subjects Chronically Exposed to Organophosphate Pesticides. <i>Toxicological Sciences</i> , 2003, 72, 267-271.	3.1	157
15	Neuron-Specific Enolase, S100B, and Glial Fibrillary Acidic Protein Levels as Outcome Predictors in Patients With Severe Traumatic Brain Injury. <i>Neurosurgery</i> , 2011, 68, 1624-1631.	1.1	157
16	Guanosine and GMP prevent seizures induced by quinolinic acid in mice. <i>Brain Research</i> , 2000, 864, 40-43.	2.2	155
17	Highly palatable diet consumption increases protein oxidation in rat frontal cortex and anxiety-like behavior. <i>Life Sciences</i> , 2007, 81, 198-203.	4.3	142
18	Reduced serum BDNF levels in schizophrenic patients on clozapine or typical antipsychotics. <i>Journal of Psychiatric Research</i> , 2007, 41, 31-35.	3.1	142

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19	Increased serum S100B protein in schizophrenia: a study in medication-free patients. <i>Journal of Psychiatric Research</i> , 2001, 35, 11-14.	3.1	137
20	Proposal of a guanine-based purinergic system in the mammalian central nervous system. , 2007, 116, 401-416.		136
21	Differences in Spatio-Temporal Behavior of Zebrafish in the Open Tank Paradigm after a Short-Period Confinement into Dark and Bright Environments. <i>PLoS ONE</i> , 2011, 6, e19397.	2.5	136
22	AgRP neurons regulate development of dopamine neuronal plasticity and nonfood-associated behaviors. <i>Nature Neuroscience</i> , 2012, 15, 1108-1110.	14.8	136
23	The Serum S100B Concentration Is Age Dependent. <i>Clinical Chemistry</i> , 2002, 48, 950-952.	3.2	131
24	Lithium increases plasma brain-derived neurotrophic factor in acute bipolar mania: A preliminary 4-week study. <i>Neuroscience Letters</i> , 2011, 494, 54-56.	2.1	125
25	Caffeine Consumption Prevents Memory Impairment, Neuronal Damage, and Adenosine A2A Receptors Upregulation in the Hippocampus of a Rat Model of Sporadic Dementia. <i>Journal of Alzheimer's Disease</i> , 2013, 34, 509-518.	2.6	124
26	Effect of Perinatal Lead Exposure on Rat Behaviour in Open-Field and Two-Way Avoidance Tasks. <i>Basic and Clinical Pharmacology and Toxicology</i> , 1996, 79, 150-156.	0.0	122
27	Behavioral effects of taurine pretreatment in zebrafish acutely exposed to ethanol. <i>Neuropharmacology</i> , 2012, 63, 613-623.	4.1	121
28	Caffeine and an adenosine A _{2A} receptor antagonist prevent memory impairment and synaptotoxicity in adult rats triggered by a convulsive episode in early life. <i>Journal of Neurochemistry</i> , 2010, 112, 453-462.	3.9	115
29	Resveratrol Protects C6 Astrocyte Cell Line against Hydrogen Peroxide-Induced Oxidative Stress through Heme Oxygenase 1. <i>PLoS ONE</i> , 2013, 8, e64372.	2.5	114
30	A Double-Blind, Randomized, Placebo-Controlled 4-Week Study on the Efficacy and Safety of the Purinergic Agents Allopurinol and Dipyridamole Adjunctive to Lithium in Acute Bipolar Mania. <i>Journal of Clinical Psychiatry</i> , 2008, 69, 1237-1245.	2.2	111
31	Effect of treatment with mercury chloride and lead acetate during the second stage of rapid postnatal brain growth on $\hat{\gamma}$ -aminolevulinic acid dehydratase (ALA-D) activity in brain, liver, kidney and blood of suckling rats. <i>Toxicology</i> , 1995, 100, 27-37.	4.2	109
32	Diphenyl diselenide and diphenyl ditelluride affect the rat glutamatergic system in vitro and in vivo. <i>Brain Research</i> , 2001, 906, 157-163.	2.2	108
33	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.	2.2	107
34	Schizophrenia: a purinergic hypothesis. <i>Medical Hypotheses</i> , 2000, 54, 157-166.	1.5	104
35	Ebselen prevents excitotoxicity provoked by glutamate in rat cerebellar granule neurons. <i>Neuroscience Letters</i> , 2001, 299, 217-220.	2.1	102
36	Effects of linalool on glutamate release and uptake in mouse cortical synaptosomes. <i>Neurochemical Research</i> , 2001, 26, 191-194.	3.3	102

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37	Beta-endorphin causes retrograde amnesia and is released from the rat brain by various forms of training and stimulation. <i>Psychopharmacology</i> , 1980, 70, 173-177.	3.1	100
38	Caffeine prevents age-associated recognition memory decline and changes brain-derived neurotrophic factor and tirosine kinase receptor (TrkB) content in mice. <i>Neuroscience</i> , 2008, 153, 1071-1078.	2.3	100
39	Caffeine improves adult mice performance in the object recognition task and increases BDNF and TrkB independent on phospho-CREB immuncontent in the hippocampus. <i>Neurochemistry International</i> , 2008, 53, 89-94.	3.8	96
40	Taurine prevents enhancement of acetylcholinesterase activity induced by acute ethanol exposure and decreases the level of markers of oxidative stress in zebrafish brain. <i>Neuroscience</i> , 2010, 171, 683-692.	2.3	96
41	Hippocampal Astrocyte Cultures from Adult and Aged Rats Reproduce Changes in Glial Functionality Observed in the Aging Brain. <i>Molecular Neurobiology</i> , 2017, 54, 2969-2985.	4.0	96
42	Morphological changes in hippocampal astrocytes induced by environmental enrichment in mice. <i>Brain Research</i> , 2009, 1274, 47-54.	2.2	95
43	Resveratrol increases antioxidant defenses and decreases proinflammatory cytokines in hippocampal astrocyte cultures from newborn, adult and aged Wistar rats. <i>Toxicology in Vitro</i> , 2014, 28, 479-484.	2.4	95
44	Effect of orally administered guanosine on seizures and death induced by glutamatergic agents. <i>Brain Research</i> , 2001, 912, 176-180.	2.2	93
45	Chronically administered guanosine is anticonvulsant, amnesic and anxiolytic in mice. <i>Brain Research</i> , 2003, 977, 97-102.	2.2	93
46	Activation of glutamate uptake by guanosine in primary astrocyte cultures. <i>NeuroReport</i> , 2001, 12, 879-881.	1.2	90
47	Two-dimensional polyacrylamide gel electrophoresis of bovine seminal plasma proteins and their relation with semen freezability. <i>Theriogenology</i> , 2004, 61, 255-266.	2.1	90
48	Quinolinic acid inhibits glutamate uptake into synaptic vesicles from rat brain. <i>NeuroReport</i> , 2000, 11, 249-254.	1.2	86
49	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.	3.1	83
50	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.	2.2	82
51	Increase in Serum S100B Protein Level After a Swimming Race. <i>Applied Physiology, Nutrition, and Metabolism</i> , 2003, 28, 710-716.	1.7	81
52	Purinergic dysfunction in mania: an integrative model. <i>Medical Hypotheses</i> , 2002, 58, 297-304.	1.5	79
53	Mitochondrial permeability transition in neuronal damage promoted by Ca ²⁺ and respiratory chain complex II inhibition. <i>Journal of Neurochemistry</i> , 2004, 90, 1025-1035.	3.9	79
54	Astroglial and cognitive effects of chronic cerebral hypoperfusion in the rat. <i>Brain Research</i> , 2009, 1251, 204-212.	2.2	79

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55	Ebselen protects against methylmercury-induced inhibition of glutamate uptake by cortical slices from adult mice. <i>Toxicology Letters</i> , 2003, 144, 351-357.	0.8	78
56	Increased uric acid levels in drug-naïve subjects with bipolar disorder during a first manic episode. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2010, 34, 819-821.	4.8	76
57	Extracellular conversion of guanine-based purines to guanosine specifically enhances astrocyte glutamate uptake. <i>Brain Research</i> , 2003, 972, 84-89.	2.2	75
58	Interleukin-6 Serum Levels in Patients with Parkinson's Disease. <i>Neurochemical Research</i> , 2009, 34, 1401-1404.	3.3	75
59	Maternal Milk as Methylmercury Source for Suckling Mice: Neurotoxic Effects Involved with the Cerebellar Glutamatergic System. <i>Toxicological Sciences</i> , 2004, 81, 172-178.	3.1	74
60	Effect of various behavioral training and testing procedures on brain β -endorphin-like immunoreactivity and the possible role of β -endorphin in behavioral regulation. <i>Psychoneuroendocrinology</i> , 1984, 9, 381-389.	2.7	73
61	Exercise affects glutamate receptors in postsynaptic densities from cortical mice brain. <i>Brain Research</i> , 2005, 1065, 20-25.	2.2	73
62	Guanosine inhibits LPS-induced pro-inflammatory response and oxidative stress in hippocampal astrocytes through the heme oxygenase-1 pathway. <i>Purinergic Signalling</i> , 2015, 11, 571-580.	2.2	72
63	Antinociceptive properties of the xanthine oxidase inhibitor allopurinol in mice: role of A_1 adenosine receptors. <i>British Journal of Pharmacology</i> , 2009, 156, 163-172.	5.4	70
64	Probucol, a lipid-lowering drug, prevents cognitive and hippocampal synaptic impairments induced by amyloid β peptide in mice. <i>Experimental Neurology</i> , 2012, 233, 767-775.	4.1	70
65	Enriched environment effects on behavior, memory and BDNF in low and high exploratory mice. <i>Physiology and Behavior</i> , 2011, 102, 475-480.	2.1	67
66	Characterization of Adult Rat Astrocyte Cultures. <i>PLoS ONE</i> , 2013, 8, e60282.	2.5	67
67	Exercise increases insulin signaling in the hippocampus: Physiological effects and pharmacological impact of intracerebroventricular insulin administration in mice. <i>Hippocampus</i> , 2011, 21, 1082-1092.	1.9	66
68	Oxidative stress mediated by NMDA, AMPA/K _A channels in acute hippocampal slices: Neuroprotective effect of resveratrol. <i>Toxicology in Vitro</i> , 2014, 28, 544-551.	2.4	66
69	Ontogenetic profile of glutamate uptake in brain structures slices from rats: sensitivity to guanosine. <i>Mechanisms of Ageing and Development</i> , 2004, 125, 475-481.	4.6	65
70	A randomized, phase 2 clinical trial of lithium carbonate in Machado-Joseph disease. <i>Movement Disorders</i> , 2014, 29, 568-573.	3.9	65
71	The role of opioid peptides in memory and learning. <i>Behavioural Brain Research</i> , 1980, 1, 451-468.	2.2	64
72	Effects of guanine nucleotides on kainic acid binding and on adenylate cyclase in chick optic tectum and cerebellum. <i>Journal of Molecular Neuroscience</i> , 1991, 3, 39-45.	2.3	64

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73	Anticonvulsant effect of GMP depends on its conversion to guanosine. <i>Brain Research</i> , 2004, 1005, 182-186.	2.2	64
74	Resveratrol Prevents Ammonia Toxicity in Astroglial Cells. <i>PLoS ONE</i> , 2012, 7, e52164.	2.5	64
75	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.	2.4	63
76	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.	4.0	63
77	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.	9.0	63
78	Profile of nonprotein thiols, lipid peroxidation and Î-aminolevulinic acid dehydratase activity in mouse kidney and liver in response to acute exposure to mercuric chloride and sodium selenite. <i>Toxicology</i> , 2003, 184, 179-187.	4.2	62
79	Repeated Restraint Stress Alters Hippocampal Glutamate Uptake and Release in the Rat. <i>Neurochemical Research</i> , 2004, 29, 1703-1709.	3.3	62
80	Elevated serum S100B protein in drug-free bipolar patients during first manic episode: a pilot study. <i>European Neuropsychopharmacology</i> , 2002, 12, 269-272.	0.7	61
81	Glutamate uptake in cultured astrocytes depends on age: a study about the effect of guanosine and the sensitivity to oxidative stress induced by H ₂ O ₂ . <i>Mechanisms of Ageing and Development</i> , 2002, 123, 1333-1340.	4.6	61
82	Protective effects of guanosine against sepsis-induced damage in rat brain and cognitive impairment. <i>Brain, Behavior, and Immunity</i> , 2012, 26, 904-910.	4.1	61
83	Inhibition of glutamate uptake into synaptic vesicles of rat brain by the metabolites accumulating in maple syrup urine disease. <i>Journal of the Neurological Sciences</i> , 2000, 181, 44-49.	0.6	60
84	S100B and NSE serum levels in patients with Parkinson's disease. <i>Parkinsonism and Related Disorders</i> , 2005, 11, 39-43.	2.2	59
85	Early Activation of Extracellular Signal-Regulated Kinase Signaling Pathway in the Hippocampus is Required for Short-Term Memory Formation of a Fear-Motivated Learning. <i>Cellular and Molecular Neurobiology</i> , 2006, 26, 81-6.	3.3	59
86	Motor impairment induced by oral exposure to methylmercury in adult mice. <i>Environmental Toxicology and Pharmacology</i> , 2005, 19, 169-175.	4.0	58
87	Metallothioneins: Mercury Species-Specific Induction and Their Potential Role in Attenuating Neurotoxicity. <i>Experimental Biology and Medicine</i> , 2006, 231, 1468-1473.	2.4	58
88	Decreased S100-beta protein in schizophrenia: preliminary evidence. <i>Schizophrenia Research</i> , 2000, 43, 91-95.	2.0	57
89	Exposure to ebselen changes glutamate uptake and release by rat brain synaptosomes. <i>Neurochemical Research</i> , 2002, 27, 283-288.	3.3	57
90	Additive pro-oxidative effects of methylmercury and ebselen in liver from suckling rat pups. <i>Toxicology Letters</i> , 2004, 146, 227-235.	0.8	57

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91	Guanosine protects C6 astroglial cells against azide-induced oxidative damage: a putative role of heme oxygenase 1. <i>Journal of Neurochemistry</i> , 2014, 130, 61-74.	3.9	57
92	NTPDase family in zebrafish: Nucleotide hydrolysis, molecular identification and gene expression profiles in brain, liver and heart. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2010, 155, 230-240.	1.6	56
93	Quinolinic acid promotes seizures and decreases glutamate uptake in young rats: reversal by orally administered guanosine. <i>Brain Research</i> , 2004, 1018, 48-54.	2.2	55
94	Guanosine Anxiolytic-Like Effect Involves Adenosinergic and Glutamatergic Neurotransmitter Systems. <i>Molecular Neurobiology</i> , 2017, 54, 423-436.	4.0	55
95	Inhibition of synaptosomal [3H]glutamate uptake and [3H]glutamate binding to plasma membranes from brain of young rats by glutaric acid in vitro. <i>Journal of the Neurological Sciences</i> , 2000, 173, 93-96.	0.6	52
96	Effects of chronic administered guanosine on behavioral parameters and brain glutamate uptake in rats. <i>Journal of Neuroscience Research</i> , 2005, 79, 248-253.	2.9	52
97	Duration of environmental enrichment influences the magnitude and persistence of its behavioral effects on mice. <i>Physiology and Behavior</i> , 2008, 93, 388-394.	2.1	52
98	In vivo Quinolinic Acid Increases Synaptosomal Glutamate Release in Rats: Reversal by Guanosine. <i>Neurochemical Research</i> , 2005, 30, 439-444.	3.3	51
99	GMP protects against quinolinic acid-induced loss of NADPH-diaphorase-positive cells in the rat striatum. <i>Neuroscience Letters</i> , 1997, 225, 145-148.	2.1	50
100	Omega-3 fatty acids deprivation affects ontogeny of glutamatergic synapses in rats: Relevance for behavior alterations. <i>Neurochemistry International</i> , 2010, 56, 753-759.	3.8	50
101	S100B protein and neuron-specific enolase as predictors of cognitive dysfunction after coronary artery bypass graft surgery. <i>European Journal of Anaesthesiology</i> , 2016, 33, 681-689.	1.7	50
102	Amyloid β oligomers in cellular models of Alzheimer's disease. <i>Journal of Neurochemistry</i> , 2020, 155, 348-369.	3.9	50
103	Effects of Single Low Dose of Dexamethasone before Noncardiac and Nonneurologic Surgery and General Anesthesia on Postoperative Cognitive Dysfunction—A Phase III Double Blind, Randomized Clinical Trial. <i>PLoS ONE</i> , 2016, 11, e0152308.	2.5	50
104	Intrahippocampal spermidine administration improves inhibitory avoidance performance in rats. <i>Behavioural Pharmacology</i> , 2000, 11, 57-61.	1.7	49
105	Guanosine Protects Against Cortical Focal Ischemia. Involvement of Inflammatory Response. <i>Molecular Neurobiology</i> , 2015, 52, 1791-1803.	4.0	49
106	Guanine nucleotides inhibit the stimulation of GFAP phosphorylation by glutamate. <i>NeuroReport</i> , 1995, 6, 249-252.	1.2	48
107	Ebselen protects glutamate uptake inhibition caused by methyl mercury but does not by Hg ²⁺ . <i>Toxicology</i> , 2005, 214, 57-66.	4.2	48
108	Effect of protein malnutrition on redox state of the hippocampus of rat. <i>Brain Research</i> , 2005, 1042, 17-22.	2.2	48

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109	Cannabinoid receptor agonists reduce the short-term mitochondrial dysfunction and oxidative stress linked to excitotoxicity in the rat brain. <i>Neuroscience</i> , 2015, 285, 97-106.	2.3	48
110	Systemic Inflammation as a Driver of Brain Injury: the Astrocyte as an Emerging Player. <i>Molecular Neurobiology</i> , 2018, 55, 2685-2695.	4.0	48
111	Mechanisms of the inhibitory effects of selenium and mercury on the activity of $\hat{\Gamma}$ -aminolevulinate dehydratase from mouse liver, kidney and brain. <i>Toxicology Letters</i> , 2003, 139, 55-66.	0.8	47
112	Hypoxic-ischemic insult decreases glutamate uptake by hippocampal slices from neonatal rats: Prevention by guanosine. <i>Experimental Neurology</i> , 2005, 195, 400-406.	4.1	47
113	Peripheral Oxidative Stress Biomarkers in Spinocerebellar Ataxia Type 3/Machado-Joseph Disease. <i>Frontiers in Neurology</i> , 2017, 8, 485.	2.4	47
114	Glycolysis-Derived Compounds From Astrocytes That Modulate Synaptic Communication. <i>Frontiers in Neuroscience</i> , 2018, 12, 1035.	2.8	47
115	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.	4.8	46
116	Expression and functional analysis of Na ⁺ -dependent glutamate transporters from zebrafish brain. <i>Brain Research Bulletin</i> , 2010, 81, 517-523.	3.0	46
117	Biochemical and behavioral deficits in the lobster cockroach <i>Nauphoeta cinerea</i> model of methylmercury exposure. <i>Toxicology Research</i> , 2015, 4, 442-451.	2.1	46
118	Allopurinol augmentation for poorly responsive schizophrenia. <i>International Clinical Psychopharmacology</i> , 2001, 16, 235-237.	1.7	45
119	Intrahippocampal infusion of the bombesin/gastrin-releasing peptide antagonist RC-3095 impairs inhibitory avoidance retention. <i>Peptides</i> , 2003, 24, 1069-1074.	2.4	45
120	Postnatal Methylmercury Exposure Induces Hyperlocomotor Activity and Cerebellar Oxidative Stress in Mice: Dependence on the Neurodevelopmental Period. <i>Neurochemical Research</i> , 2006, 31, 563-569.	3.3	45
121	The astrocyte biochemistry. <i>Seminars in Cell and Developmental Biology</i> , 2019, 95, 142-150.	5.0	45
122	The Potential Therapeutic Effect of Guanosine after Cortical Focal Ischemia in Rats. <i>PLoS ONE</i> , 2014, 9, e90693.	2.5	45
123	Chronic caffeine prevents changes in inhibitory avoidance memory and hippocampal BDNF immunocontent in middle-aged rats. <i>Neuropharmacology</i> , 2013, 64, 153-159.	4.1	44
124	Therapeutic Efficacy of Allopurinol in Mania Associated With Hyperuricemia. <i>Journal of Clinical Psychopharmacology</i> , 2001, 21, 621-622.	1.4	44
125	ibogaine attenuation of morphine withdrawal in mice: role of glutamate N-methyl-d-aspartate receptors. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2003, 27, 781-785.	4.8	43
126	Neuroprotective effect of ebselen on rat hippocampal slices submitted to oxygen-glucose deprivation: correlation with immunocontent of inducible nitric oxide synthase. <i>Neuroscience Letters</i> , 2003, 346, 101-104.	2.1	43

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127	Brain-Derived Neurotrophic Factor in Post-Partum Depressive Mothers. <i>Neurochemical Research</i> , 2012, 37, 583-587.	3.3	43
128	Modulation of glutamatergic and GABAergic neurotransmission in glutaryl-CoA dehydrogenase deficiency. <i>Journal of Inherited Metabolic Disease</i> , 2004, 27, 825-828.	3.6	42
129	Evidence that 3-hydroxyglutaric acid interacts with NMDA receptors in synaptic plasma membranes from cerebral cortex of young rats. <i>Neurochemistry International</i> , 2004, 45, 1087-1094.	3.8	42
130	The ischemic rat heart releases S100B. <i>Life Sciences</i> , 2005, 77, 882-889.	4.3	42
131	Effects of undernutrition on glutamatergic parameters in rat brain. <i>Neurochemical Research</i> , 2003, 28, 1181-1186.	3.3	41
132	Effects of early-life LiCl&Pilocarpine-induced status epilepticus on memory and anxiety in adult rats are associated with mossy fiber sprouting and elevated CSF S100B protein. <i>Epilepsia</i> , 2008, 49, 842-852.	5.1	41
133	Effects of Depressive-Like Behavior of Rats on Brain Glutamate Uptake. <i>Neurochemical Research</i> , 2010, 35, 1164-1171.	3.3	41
134	Differential effects of guanine nucleotides on kainic acid binding and on adenylate cyclase activity in chick optic tectum. <i>FEBS Letters</i> , 1994, 355, 205-208.	2.8	40
135	Neuroprotective effect of GMP in hippocampal slices submitted to an in vitro model of ischemia. <i>Cellular and Molecular Neurobiology</i> , 2002, 22, 335-344.	3.3	40
136	Intracerebroventricular Guanine-Based Purines Protect Against Seizures Induced by Quinolinic Acid in Mice. <i>Neurochemical Research</i> , 2005, 30, 69-73.	3.3	40
137	Mechanisms involved in the antinociception induced by systemic administration of guanosine in mice. <i>British Journal of Pharmacology</i> , 2010, 159, 1247-1263.	5.4	40
138	ω -3-Polyunsaturated fatty acids prevent lipoperoxidation, modulate antioxidant enzymes, and reduce lipid content but do not alter glycogen metabolism in the livers of diabetic rats fed on a high fat thermolyzed diet. <i>Molecular and Cellular Biochemistry</i> , 2012, 361, 151-160.	3.1	39
139	A novel multi-target ligand (JM-20) protects mitochondrial integrity, inhibits brain excitatory amino acid release and reduces cerebral ischemia injury in vitro and in vivo. <i>Neuropharmacology</i> , 2014, 85, 517-527.	4.1	39
140	Guanosine Prevents Anhedonic-Like Behavior and Impairment in Hippocampal Glutamate Transport Following Amyloid- β 40 Administration in Mice. <i>Molecular Neurobiology</i> , 2017, 54, 5482-5496.	4.0	39
141	Zika Virus Infection of Human Mesenchymal Stem Cells Promotes Differential Expression of Proteins Linked to Several Neurological Diseases. <i>Molecular Neurobiology</i> , 2019, 56, 4708-4717.	4.0	39
142	Metabolic Effects of Sulforaphane Oral Treatment in Streptozotocin-Diabetic Rats. <i>Journal of Medicinal Food</i> , 2012, 15, 795-801.	1.5	38
143	Selenium Compounds Prevent Amyloid β -Peptide Neurotoxicity in Rat Primary Hippocampal Neurons. <i>Neurochemical Research</i> , 2013, 38, 2359-2363.	3.3	38
144	Neuroprotective effects of guanosine administration on behavioral, brain activity, neurochemical and redox parameters in a rat model of chronic hepatic encephalopathy. <i>Metabolic Brain Disease</i> , 2014, 29, 645-654.	2.9	38

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145	Cytotoxic and antioxidative potentials of ethanolic extract of <i>Eugenia uniflora</i> L. (Myrtaceae) leaves on human blood cells. <i>Biomedicine and Pharmacotherapy</i> , 2016, 84, 614-621.	5.6	38
146	Endogenous Opioids, Memory Modulation, and State Dependency. , 1981, , 269-290.		38
147	The serum S100B concentration is age dependent. <i>Clinical Chemistry</i> , 2002, 48, 950-2.	3.2	38
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