

Diogo O Souza

List of Publications by Year in descending order

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Version: 2024-02-01

473
papers

17,584
citations

15495

65
h-index

33869

99
g-index

476
all docs

476
docs citations

476
times ranked

16598
citing authors

#	ARTICLE	IF	CITATIONS
1	Scientific production and most researched diseases in the Biological Sciences postgraduate programs in Brazil. <i>Semina: Ciências Biológicas E Da Saúde</i> , 2022, 43, 129.	0.0	1
2	Clozapine induces astrocyte-dependent FDG-PET hypometabolism. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2022, 49, 2251-2264.	3.3	14
3	Neurodevelopment in Children Exposed to Zika in utero: Clinical and Molecular Aspects. <i>Frontiers in Genetics</i> , 2022, 13, 758715.	1.1	12
4	Rutin improves glutamate uptake and inhibits glutamate excitotoxicity in rat brain slices. <i>Molecular Biology Reports</i> , 2021, 48, 1475-1483.	1.0	10
5	Effects of allopurinol on pain and anxiety in fibromyalgia patients: a pilot study. <i>Brazilian Journal of Anesthesiology (Elsevier)</i> , 2021, 71, 660-663.	0.2	1
6	About the source and consequences of 18F-FDG brain PET hypometabolism in short and long COVID-19. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021, 48, 2674-2675.	3.3	9
7	Effects of intranasal guanosine administration on brain function in a rat model of ischemic stroke. <i>Purinergic Signalling</i> , 2021, 17, 255-271.	1.1	6
8	Allopurinol for fibromyalgia pain in adults: a randomized controlled trial. <i>Pain Practice</i> , 2021, , .	0.9	1
9	Novel arylidene malonate derivative, KM-34, showed neuroprotective effects on in vitro and in vivo models of ischemia/reperfusion. <i>European Journal of Pharmacology</i> , 2021, 899, 174025.	1.7	1
10	Zika Virus Infection Associated with Autism Spectrum Disorder: A Case Report. <i>NeuroImmunoModulation</i> , 2021, 28, 229-232.	0.9	8
11	Antidepressant-Like Effects of Chronic Guanosine in the Olfactory Bulbectomy Mouse Model. <i>Frontiers in Psychiatry</i> , 2021, 12, 701408.	1.3	7
12	Allopurinol attenuates postoperative pain and modulates the purinergic system in patients undergoing abdominal hysterectomy: a randomized controlled trial. <i>Journal of Anesthesia</i> , 2021, 35, 818-826.	0.7	2
13	JM-20 treatment prevents neuronal damage and memory impairment induced by aluminum chloride in rats. <i>NeuroToxicology</i> , 2021, 87, 70-85.	1.4	9
14	Measurement of Glutamate Uptake using Radiolabeled L-[³ H]-Glutamate in Acute Transverse Slices Obtained from Rodent Resected Hippocampus. <i>Journal of Visualized Experiments</i> , 2021, , .	0.2	0
15	Soluble amyloid-beta isoforms predict downstream Alzheimer's disease pathology. <i>Cell and Bioscience</i> , 2021, 11, 204.	2.1	5
16	ZIKAVID® Zika virus infection database: a new platform to analyze the molecular impact of Zika virus infection. <i>Journal of NeuroVirology</i> , 2020, 26, 77-83.	1.0	4
17	Association between Zika virus and future neurological diseases. <i>Journal of the Neurological Sciences</i> , 2020, 409, 116617.	0.3	5
18	Guanosine enhances glutamate uptake and oxidation, preventing oxidative stress in mouse hippocampal slices submitted to high glutamate levels. <i>Brain Research</i> , 2020, 1748, 147080.	1.1	3

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19	S100B protein and neuron-specific enolase as predictors of postoperative cognitive dysfunction in aged dogs: a case-control study. <i>Veterinary Anaesthesia and Analgesia</i> , 2020, 47, 740-747.	0.3	6
20	Guanosine Neuroprotection of Presynaptic Mitochondrial Calcium Homeostasis in a Mouse Study with Amyloid- β^2 Oligomers. <i>Molecular Neurobiology</i> , 2020, 57, 4790-4809.	1.9	14
21	Dietary omega-3 fatty acids prevent neonatal seizure-induced early alterations in the hippocampal glutamatergic system and memory deficits in adulthood. <i>Nutritional Neuroscience</i> , 2020, , 1-12.	1.5	0
22	PET Imaging as a Tool for Assessing COVID-19 Brain Changes. <i>Trends in Neurosciences</i> , 2020, 43, 935-938.	4.2	20
23	Guanosine fast onset antidepressant-like effects in the olfactory bulbectomy mice model. <i>Scientific Reports</i> , 2020, 10, 8429.	1.6	18
24	Modified expression of antioxidant genes in lobster cockroach, <i>Nauphoeta cinerea</i> exposed to methylmercury and monosodium glutamate. <i>Chemico-Biological Interactions</i> , 2020, 318, 108969.	1.7	13
25	Amyloid- β^2 oligomers in cellular models of Alzheimer's disease. <i>Journal of Neurochemistry</i> , 2020, 155, 348-369.	2.1	50
26	Long Lasting High Lysine Diet Aggravates White Matter Injury in Glutaryl-CoA Dehydrogenase Deficient (Gcdh ^{-/-}) Mice. <i>Molecular Neurobiology</i> , 2019, 56, 648-657.	1.9	9
27	High-glucose medium induces cellular differentiation and changes in metabolic functionality of oligodendroglia. <i>Molecular Biology Reports</i> , 2019, 46, 4817-4826.	1.0	8
28	Caffeine and cannabinoid receptors modulate impulsive behavior in an animal model of attentional deficit and hyperactivity disorder. <i>European Journal of Neuroscience</i> , 2019, 49, 1673-1683.	1.2	26
29	Behavioral, Neurochemical and Brain Oscillation Abnormalities in an Experimental Model of Acute Liver Failure. <i>Neuroscience</i> , 2019, 401, 117-129.	1.1	8
30	Acute lysine overload provokes marked striatum injury involving oxidative stress signaling pathways in glutaryl-CoA dehydrogenase deficient mice. <i>Neurochemistry International</i> , 2019, 129, 104467.	1.9	10
31	The astrocyte biochemistry. <i>Seminars in Cell and Developmental Biology</i> , 2019, 95, 142-150.	2.3	45
32	Role of Glutamatergic Excitotoxicity in Neuromyelitis Optica Spectrum Disorders. <i>Frontiers in Cellular Neuroscience</i> , 2019, 13, 142.	1.8	19
33	JM-20 protects memory acquisition and consolidation on scopolamine model of cognitive impairment. <i>Neurological Research</i> , 2019, 41, 385-398.	0.6	12
34	Sustained elevation of cerebrospinal fluid glucose and lactate after a single seizure does not parallel with mitochondria energy production. <i>Epilepsy Research</i> , 2019, 152, 35-41.	0.8	11
35	Memantine mediates astrocytic activity in response to excitotoxicity induced by PP2A inhibition. <i>Neuroscience Letters</i> , 2019, 696, 179-183.	1.0	8
36	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.	1.9	39

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37	Productivity of CNPq Researchers from Different Fields in Biomedical Sciences: The Need for Objective Bibliometric Parameters – A Report from Brazil. <i>Science and Engineering Ethics</i> , 2019, 25, 1037-1055.	1.7	14
38	JM-20 Treatment After MCAO Reduced Astrocyte Reactivity and Neuronal Death on Peri-infarct Regions of the Rat Brain. <i>Molecular Neurobiology</i> , 2019, 56, 502-512.	1.9	21
39	Acute Liver Failure Induces Glial Reactivity, Oxidative Stress and Impairs Brain Energy Metabolism in Rats. <i>Frontiers in Molecular Neuroscience</i> , 2019, 12, 327.	1.4	6
40	Multi-targeting effects of a new synthetic molecule (JM-20) in experimental models of cerebral ischemia. <i>Pharmacological Reports</i> , 2018, 70, 699-704.	1.5	9
41	Induction of Neuroinflammatory Response and Histopathological Alterations Caused by Quinolinic Acid Administration in the Striatum of Glutaryl-CoA Dehydrogenase Deficient Mice. <i>Neurotoxicity Research</i> , 2018, 33, 593-606.	1.3	6
42	Adenosine deaminase activity and gene expression patterns are altered after chronic ethanol exposure in zebrafish brain. <i>Neurotoxicology and Teratology</i> , 2018, 65, 14-18.	1.2	5
43	Systemic Inflammation as a Driver of Brain Injury: the Astrocyte as an Emerging Player. <i>Molecular Neurobiology</i> , 2018, 55, 2685-2695.	1.9	48
44	Glioprotective Effect of Resveratrol: an Emerging Therapeutic Role for Oligodendroglial Cells. <i>Molecular Neurobiology</i> , 2018, 55, 2967-2978.	1.9	24
45	Resveratrol prevents ammonia-induced mitochondrial dysfunction and cellular redox imbalance in C6 astroglial cells. <i>Nutritional Neuroscience</i> , 2018, 21, 276-285.	1.5	24
46	ZIKA Virus and Neuroscience: the Need for a Translational Collaboration. <i>Molecular Neurobiology</i> , 2018, 55, 1551-1555.	1.9	7
47	Age-Dependent Neurochemical Remodeling of Hypothalamic Astrocytes. <i>Molecular Neurobiology</i> , 2018, 55, 5565-5579.	1.9	20
48	Antioxidant and Neuroprotective Effects of KM-34, A Novel Synthetic Catechol, Against Oxidative Stress-Induced Neurotoxicity. <i>Drug Research</i> , 2018, 68, 263-269.	0.7	3
49	Dietary co-exposure to methylmercury and monosodium glutamate disrupts cellular and behavioral responses in the lobster cockroach, <i>Nauphoeta cinerea</i> model. <i>Environmental Toxicology and Pharmacology</i> , 2018, 64, 70-77.	2.0	10
50	Leptin stimulates the release of pro-inflammatory cytokines in hypothalamic astrocyte cultures from adult and aged rats. <i>Metabolic Brain Disease</i> , 2018, 33, 2059-2063.	1.4	19
51	Alterations in the MicroRNA of the Blood of Autism Spectrum Disorder Patients: Effects on Epigenetic Regulation and Potential Biomarkers. <i>Behavioral Sciences (Basel, Switzerland)</i> , 2018, 8, 75.	1.0	28
52	Differential effects of typical and atypical antipsychotics on astroglial cells <i>in vitro</i> . <i>International Journal of Developmental Neuroscience</i> , 2018, 69, 1-9.	0.7	16
53	Glycolysis-Derived Compounds From Astrocytes That Modulate Synaptic Communication. <i>Frontiers in Neuroscience</i> , 2018, 12, 1035.	1.4	47
54	Guanosine Anxiolytic-Like Effect Involves Adenosinergic and Glutamatergic Neurotransmitter Systems. <i>Molecular Neurobiology</i> , 2017, 54, 423-436.	1.9	55

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55	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.	1.9	96
56	Guanosine Exerts Neuroprotective Effect in an Experimental Model of Acute Ammonia Intoxication. <i>Molecular Neurobiology</i> , 2017, 54, 3137-3148.	1.9	15
57	Identification of oral bacteria on titanium implant surfaces by 16S rDNA sequencing. <i>Clinical Oral Implants Research</i> , 2017, 28, 697-703.	1.9	22
58	Resveratrol modulates GSH system in C6 astroglial cells through heme oxygenase 1 pathway. <i>Molecular and Cellular Biochemistry</i> , 2017, 428, 67-77.	1.4	30
59	Olfactory bulbectomy in mice triggers transient and long-lasting behavioral impairments and biochemical hippocampal disturbances. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2017, 76, 1-11.	2.5	26
60	Mitochondrial involvement in memory impairment induced by scopolamine in rats. <i>Neurological Research</i> , 2017, 39, 649-659.	0.6	29
61	In Vitro Adult Astrocytes are Derived From Mature Cells and Reproduce in Vivo Redox Profile. <i>Journal of Cellular Biochemistry</i> , 2017, 118, 3111-3118.	1.2	5
62	Higher Vulnerability of Menadione-Exposed Cortical Astrocytes of Glutaryl-CoA Dehydrogenase Deficient Mice to Oxidative Stress, Mitochondrial Dysfunction, and Cell Death: Implications for the Neurodegeneration in Glutaric Aciduria Type I. <i>Molecular Neurobiology</i> , 2017, 54, 4795-4805.	1.9	7
63	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.	1.9	39
64	Peripheral Oxidative Stress Biomarkers in Spinocerebellar Ataxia Type 3/Machado-Joseph Disease. <i>Frontiers in Neurology</i> , 2017, 8, 485.	1.1	47
65	Scientific Performance of Brazilian Researchers in Pharmacology with grants from CNPq: A comparative study within the Brazilian categories. <i>Anais Da Academia Brasileira De Ciencias</i> , 2016, 88, 1735-1742.	0.3	15
66	Cerebral Ketone Body Oxidation Is Facilitated by a High Fat Diet Enriched with Advanced Glycation End Products in Normal and Diabetic Rats. <i>Frontiers in Neuroscience</i> , 2016, 10, 509.	1.4	4
67	Antimicrobial Activity and Modulatory Effect of Essential Oil from the Leaf of <i>Rhaphiodon echinus</i> (Nees & Mart) Schauer on Some Antimicrobial Drugs. <i>Molecules</i> , 2016, 21, 743.	1.7	28
68	Sulforaphane ameliorates the insulin responsiveness and the lipid profile but does not alter the antioxidant response in diabetic rats. <i>Food and Function</i> , 2016, 7, 2060-2065.	2.1	15
69	Zebrafish in Brazilian Science: Scientific Production, Impact, and Collaboration. <i>Zebrafish</i> , 2016, 13, 217-225.	0.5	12
70	Anti-aging effects of guanosine in glial cells. <i>Purinergic Signalling</i> , 2016, 12, 697-706.	1.1	24
71	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.	2.5	38
72	Brain zinc chelation by diethyldithiocarbamate increased the behavioral and mitochondrial damages in zebrafish subjected to hypoxia. <i>Scientific Reports</i> , 2016, 6, 20279.	1.6	17

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73	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.	0.7	50
74	Experimental Evidence that 3-Methylglutaric Acid Disturbs Mitochondrial Function and Induced Oxidative Stress in Rat Brain Synaptosomes: New Converging Mechanisms. <i>Neurochemical Research</i> , 2016, 41, 2619-2626.	1.6	15
75	Neurobehavioral and biochemical changes in <i>Nauphoeta cinerea</i> following dietary exposure to chlorpyrifos. <i>Pesticide Biochemistry and Physiology</i> , 2016, 130, 22-30.	1.6	29
76	Characterization of Amino Acid Profile and Enzymatic Activity in Adult Rat Astrocyte Cultures. <i>Neurochemical Research</i> , 2016, 41, 1578-1586.	1.6	6
77	Neuroprotection of luteolin against methylmercury-induced toxicity in lobster cockroach <i>Nauphoeta cinerea</i> . <i>Environmental Toxicology and Pharmacology</i> , 2016, 42, 243-251.	2.0	25
78	Gap Junction Intercellular Communication Mediates Ammonia-Induced Neurotoxicity. <i>Neurotoxicity Research</i> , 2016, 29, 314-324.	1.3	10
79	Intranasal guanosine administration presents a wide therapeutic time window to reduce brain damage induced by permanent ischemia in rats. <i>Purinergic Signalling</i> , 2016, 12, 149-159.	1.1	17
80	Mechanisms involved in the antinociception induced by spinal administration of inosine or guanine in mice. <i>European Journal of Pharmacology</i> , 2016, 772, 71-82.	1.7	11
81	Cytokines in Machado Joseph Disease/Spinocerebellar Ataxia 3. <i>Cerebellum</i> , 2016, 15, 518-525.	1.4	27
82	Inhibition of Protein Phosphatase 2A: Focus on the Glutamatergic System. <i>Molecular Neurobiology</i> , 2016, 53, 3753-3755.	1.9	9
83	Effects of Single Low Dose of Dexamethasone before Noncardiac and Nonneurologic Surgery and General Anesthesia on Postoperative Cognitive Dysfunctionâ€”A Phase III Double Blind, Randomized Clinical Trial. <i>PLoS ONE</i> , 2016, 11, e0152308.	1.1	50
84	Brazilian Science between National and Foreign Journals: Methodology for Analyzing the Production and Impact in Emerging Scientific Communities. <i>PLoS ONE</i> , 2016, 11, e0155148.	1.1	19
85	How does zebrafish support new strategies for neuroprotection and neuroregeneration in hypoxia-related diseases?. <i>Neural Regeneration Research</i> , 2016, 11, 1069.	1.6	3
86	Changes in Purines Concentration in the Cerebrospinal Fluid of Pregnant Women Experiencing Pain During Active Labor. <i>Neurochemical Research</i> , 2015, 40, 2262-2269.	1.6	8
87	High Phosphate Serum Levels Correlate With the Severity of Experimental Severe Acute Pancreatitis. <i>Pancreas</i> , 2015, 44, 619-625.	0.5	5
88	Long-term NMDAR antagonism correlates reduced astrocytic glutamate uptake with anxiety-like phenotype. <i>Frontiers in Cellular Neuroscience</i> , 2015, 09, 219.	1.8	16
89	Influence of diphenyl diselenide on chlorpyrifos-induced toxicity in <i>Drosophila melanogaster</i> . <i>Journal of Trace Elements in Medicine and Biology</i> , 2015, 32, 52-59.	1.5	25
90	Striatal neuronal death mediated by astrocytes from the <i>Gcdh</i> ^{+/+} mouse model of glutaric acidemia type I. <i>Human Molecular Genetics</i> , 2015, 24, 4504-4515.	1.4	25

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91	Lipoic acid and N-acetylcysteine prevent ammonia-induced inflammatory response in C6 astroglial cells: The putative role of ERK and HO1 signaling pathways. <i>Toxicology in Vitro</i> , 2015, 29, 1350-1357.	1.1	20
92	Ammonia impairs glutamatergic communication in astroglial cells: protective role of resveratrol. <i>Toxicology in Vitro</i> , 2015, 29, 2022-2029.	1.1	23
93	STC1 interference on calcitonin family of receptors signaling during osteoblastogenesis via adenylate cyclase inhibition. <i>Molecular and Cellular Endocrinology</i> , 2015, 403, 78-87.	1.6	10
94	The effects of JM-20 on the glutamatergic system in synaptic vesicles, synaptosomes and neural cells cultured from rat brain. <i>Neurochemistry International</i> , 2015, 81, 41-47.	1.9	16
95	Biochemical and behavioral deficits in the lobster cockroach <i>Nauphoeta cinerea</i> model of methylmercury exposure. <i>Toxicology Research</i> , 2015, 4, 442-451.	0.9	46
96	Modulation of the chelatable Zn pool in the brain by diethyldithiocarbamate is associated with behavioral impairment in adult zebrafish. <i>Toxicology Research</i> , 2015, 4, 317-325.	0.9	4
97	Resveratrol Protects Hippocampal Astrocytes Against LPS-Induced Neurotoxicity Through HO-1, p38 and ERK Pathways. <i>Neurochemical Research</i> , 2015, 40, 1600-1608.	1.6	37
98	Dietary n-3 polyunsaturated fatty acids revert renal responses induced by a combination of 2 protocols that increase the amounts of advanced glycation end product in rats. <i>Nutrition Research</i> , 2015, 35, 512-522.	1.3	14
99	Astrocytes from adult Wistar rats aged in vitro show changes in glial functions. <i>Neurochemistry International</i> , 2015, 90, 93-97.	1.9	37
100	Toxic synergism between quinolinic acid and organic acids accumulating in glutaric acidemia type I and in disorders of propionate metabolism in rat brain synaptosomes: Relevance for metabolic acidemias. <i>Neuroscience</i> , 2015, 308, 64-74.	1.1	23
101	The effect of WIN 55,212-2 suggests a cannabinoid-sensitive component in the early toxicity induced by organic acids accumulating in glutaric acidemia type I and in related disorders of propionate metabolism in rat brain synaptosomes. <i>Neuroscience</i> , 2015, 310, 578-588.	1.1	14
102	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.	1.1	72
103	Planning future clinical trials in Machado Joseph disease: Lessons from a phase 2 trial. <i>Journal of the Neurological Sciences</i> , 2015, 358, 72-76.	0.3	28
104	Neuroprotection by JM-20 against oxygen-glucose deprivation in rat hippocampal slices: Involvement of the Akt/GSK-3 β pathway. <i>Neurochemistry International</i> , 2015, 90, 215-223.	1.9	30
105	Evaluation of zinc effect on cadmium action in lipid peroxidation and metallothionein levels in the brain. <i>Toxicology Reports</i> , 2015, 2, 858-863.	1.6	9
106	Overnight S100B in Parkinson's Disease: A glimpse into sleep-related neuroinflammation. <i>Neuroscience Letters</i> , 2015, 608, 57-63.	1.0	13
107	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.	3.9	63
108	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.	1.1	48

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109	Original mechanisms of antipsychotic action by the indole alkaloid alstonine (<i>Picralima nitida</i>). <i>Phytomedicine</i> , 2015, 22, 52-55.	2.3	8
110	Guanosine Protects Against Cortical Focal Ischemia. Involvement of Inflammatory Response. <i>Molecular Neurobiology</i> , 2015, 52, 1791-1803.	1.9	49
111	Serum NGF, BDNF and IL-6 Levels in Postpartum Mothers As Predictors of Infant Development: The Influence of Affective Disorders. <i>PLoS ONE</i> , 2014, 9, e94581.	1.1	18
112	Dietary omega-3 deficiency reduces BDNF content and activation NMDA receptor and Fyn in dorsal hippocampus: Implications on persistence of long-term memory in rats. <i>Nutritional Neuroscience</i> , 2014, 17, 186-192.	1.5	33
113	Serum S100B level increases after running but not cycling exercise. <i>Applied Physiology, Nutrition and Metabolism</i> , 2014, 39, 340-344.	0.9	32
114	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.	2.1	57
115	Brazilian scientific production in areas of biological sciences: a comparative study on the modalities of full doctorate in Brazil or abroad. <i>Scientometrics</i> , 2014, 98, 415-427.	1.6	8
116	A randomized, phase 2 clinical trial of lithium carbonate in Machado-Joseph disease. <i>Movement Disorders</i> , 2014, 29, 568-573.	2.2	65
117	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.	1.4	38
118	Oxidative stress mediated by NMDA, AMPA/KA channels in acute hippocampal slices: Neuroprotective effect of resveratrol. <i>Toxicology in Vitro</i> , 2014, 28, 544-551.	1.1	66
119	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.	1.1	95
120	JM-20, a novel benzodiazepine-dihydropyridine hybrid molecule, protects mitochondria and prevents ischemic insult-mediated neural cell death in vitro. <i>European Journal of Pharmacology</i> , 2014, 726, 57-65.	1.7	31
121	Prevalence of depression symptoms and serum levels of interleukin-6 in hemodialysis patients. <i>Psychiatry and Clinical Neurosciences</i> , 2014, 68, 275-282.	1.0	19
122	Nandrolone-induced aggressive behavior is associated with alterations in extracellular glutamate homeostasis in mice. <i>Hormones and Behavior</i> , 2014, 66, 383-392.	1.0	26
123	Antioxidant effects of JM-20 on rat brain mitochondria and synaptosomes: Mitoprotection against Ca ²⁺ -induced mitochondrial impairment. <i>Brain Research Bulletin</i> , 2014, 109, 68-76.	1.4	33
124	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.	2.0	39
125	Cellular Senescence Induced by Prolonged Subculture Adversely Affects Glutamate Uptake in C6 Lineage. <i>Neurochemical Research</i> , 2014, 39, 973-984.	1.6	1
126	1-(2-(2-(2-(1-Aminoethyl)phenyl)diselanyl)phenyl)ethanamine: An amino organoselenium compound with interesting antioxidant profile. <i>Toxicology in Vitro</i> , 2014, 28, 524-530.	1.1	17

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127	Anxiolytic effects of diphenyl diselenide on adult zebrafish in a novelty paradigm. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2014, 54, 187-194.	2.5	37
128	Increased Glutamate Receptor and Transporter Expression in the Cerebral Cortex and Striatum of <i>Gcdh</i> ^{-/-} Mice: Possible Implications for the Neuropathology of Glutaric Acidemia Type I. <i>PLoS ONE</i> , 2014, 9, e90477.	1.1	22
129	The Potential Therapeutic Effect of Guanosine after Cortical Focal Ischemia in Rats. <i>PLoS ONE</i> , 2014, 9, e90693.	1.1	45
130	Gliopreventive effects of guanosine against glucose deprivation in vitro. <i>Purinergic Signalling</i> , 2013, 9, 643-654.	1.1	34
131	Riluzole increases glutamate uptake by cultured C6 astroglial cells. <i>International Journal of Developmental Neuroscience</i> , 2013, 31, 482-486.	0.7	26
132	Lipoic acid protects C6 cells against ammonia exposure through Na ⁺ -K ⁺ -Cl ⁻ co-transporter and PKC pathway. <i>Toxicology in Vitro</i> , 2013, 27, 2041-2048.	1.1	12
133	Selenium Compounds Prevent Amyloid β -Peptide Neurotoxicity in Rat Primary Hippocampal Neurons. <i>Neurochemical Research</i> , 2013, 38, 2359-2363.	1.6	38
134	Neurodevelopmental and cognitive behavior of glutaryl-CoA dehydrogenase deficient knockout mice. <i>Life Sciences</i> , 2013, 92, 137-142.	2.0	10
135	Evaluation of spontaneous recovery of behavioral and brain injury profiles in zebrafish after hypoxia. <i>Behavioural Brain Research</i> , 2013, 253, 145-151.	1.2	25
136	Propylthiouracil-induced hypothyroidism during lactation alters leucine and mannose metabolism in rat cerebellar slices. <i>Experimental Biology and Medicine</i> , 2013, 238, 31-36.	1.1	11
137	Dietary n-3 long-chain polyunsaturated fatty acids modify phosphoenolpyruvate carboxykinase activity and lipid synthesis from glucose in adipose tissue of rats fed a high-sucrose diet. <i>Cell Biochemistry and Function</i> , 2013, 31, 636-642.	1.4	5
138	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.	1.2	124
139	Chronic sulforaphane oral treatment accentuates blood glucose impairment and may affect GLUT3 expression in the cerebral cortex and hypothalamus of rats fed with a highly palatable diet. <i>Food and Function</i> , 2013, 4, 1271.	2.1	19
140	Disruption of brain redox homeostasis in glutaryl-CoA dehydrogenase deficient mice treated with high dietary lysine supplementation. <i>Molecular Genetics and Metabolism</i> , 2013, 108, 30-39.	0.5	29
141	<i>Trichilia catigua</i> (Catuaba) bark extract exerts neuroprotection against oxidative stress induced by different neurotoxic agents in rat hippocampal slices. <i>Industrial Crops and Products</i> , 2013, 50, 625-632.	2.5	29
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