

Diogo O Souza

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

468 papers	14,754 citations	60 h-index	91 g-index
476 ext. papers	16,138 ext. citations	4.2 avg, IF	6.13 L-index

#	Paper	IF	Citations
468	Clozapine induces astrocyte-dependent FDG-PET hypometabolism.. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2022 , 1	8.8	2
467	Neurodevelopment in Children Exposed to Zika : Clinical and Molecular Aspects.. <i>Frontiers in Genetics</i> , 2022 , 13, 758715	4.5	2
466	Soluble amyloid-beta isoforms predict downstream Alzheimer β disease pathology.. <i>Cell and Bioscience</i> , 2021 , 11, 204	9.8	0
465	About the source and consequences of F-FDG brain PET hypometabolism in short and long COVID-19. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021 , 48, 2674-2675	8.8	2
464	Effects of intranasal guanosine administration on brain function in a rat model of ischemic stroke. <i>Purinergic Signalling</i> , 2021 , 17, 255-271	3.8	1
463	Allopurinol for fibromyalgia pain in adults: A randomized controlled trial. <i>Pain Practice</i> , 2021 ,	3	1
462	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	5.3	1
461	Zika Virus Infection Associated with Autism Spectrum Disorder: A Case Report. <i>NeuroImmunoModulation</i> , 2021 , 28, 229-232	2.5	2
460	Rutin improves glutamate uptake and inhibits glutamate excitotoxicity in rat brain slices. <i>Molecular Biology Reports</i> , 2021 , 48, 1475-1483	2.8	1
459	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
458	Antidepressant-Like Effects of Chronic Guanosine in the Olfactory Bulbectomy Mouse Model. <i>Frontiers in Psychiatry</i> , 2021 , 12, 701408	5	1
457	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	3.2	1
456	JM-20 treatment prevents neuronal damage and memory impairment induced by aluminum chloride in rats. <i>NeuroToxicology</i> , 2021 , 87, 70-85	4.4	1
455	Guanosine fast onset antidepressant-like effects in the olfactory bulbectomy mice model. <i>Scientific Reports</i> , 2020 , 10, 8429	4.9	10
454	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	5	10
453	Association between Zika virus and future neurological diseases. <i>Journal of the Neurological Sciences</i> , 2020 , 409, 116617	3.2	4
452	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	3.7	0

451	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	1.3	1
450	Guanosine Neuroprotection of Presynaptic Mitochondrial Calcium Homeostasis in a Mouse Study with Amyloid- β Oligomers. <i>Molecular Neurobiology</i> , 2020 , 57, 4790-4809	6.2	8
449	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	3.6	
448	PET Imaging as a Tool for Assessing COVID-19 Brain Changes. <i>Trends in Neurosciences</i> , 2020 , 43, 935-938	13.3	11
447	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	3.9	3
446	Amyloid- β oligomers in cellular models of Alzheimer's disease. <i>Journal of Neurochemistry</i> , 2020 , 155, 348-369	6	19
445	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	3.5	12
444	Behavioral, Neurochemical and Brain Oscillation Abnormalities in an Experimental Model of Acute Liver Failure. <i>Neuroscience</i> , 2019 , 401, 117-129	3.9	4
443	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	4.4	7
442	The astrocyte biochemistry. <i>Seminars in Cell and Developmental Biology</i> , 2019 , 95, 142-150	7.5	20
441	Role of Glutamatergic Excitotoxicity in Neuromyelitis Optica Spectrum Disorders. <i>Frontiers in Cellular Neuroscience</i> , 2019 , 13, 142	6.1	9
440	JM-20 protects memory acquisition and consolidation on scopolamine model of cognitive impairment. <i>Neurological Research</i> , 2019 , 41, 385-398	2.7	6
439	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	3	8
438	Acute Liver Failure Induces Glial Reactivity, Oxidative Stress and Impairs Brain Energy Metabolism in Rats. <i>Frontiers in Molecular Neuroscience</i> , 2019 , 12, 327	6.1	3
437	Long Lasting High Lysine Diet Aggravates White Matter Injury in Glutaryl-CoA Dehydrogenase Deficient (Gcdh ^{-/-}) Mice. <i>Molecular Neurobiology</i> , 2019 , 56, 648-657	6.2	6
436	High-glucose medium induces cellular differentiation and changes in metabolic functionality of oligodendroglia. <i>Molecular Biology Reports</i> , 2019 , 46, 4817-4826	2.8	5
435	Memantine mediates astrocytic activity in response to excitotoxicity induced by PP2A inhibition. <i>Neuroscience Letters</i> , 2019 , 696, 179-183	3.3	6
434	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	6.2	24

433	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	3.1	8
432	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	6.2	12
431	Glycolysis-Derived Compounds From Astrocytes That Modulate Synaptic Communication. <i>Frontiers in Neuroscience</i> , 2018 , 12, 1035	5.1	29
430	Multi-targeting effects of a new synthetic molecule (JM-20) in experimental models of cerebral ischemia. <i>Pharmacological Reports</i> , 2018 , 70, 699-704	3.9	4
429	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	4.3	4
428	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	3.9	4
427	Systemic Inflammation as a Driver of Brain Injury: the Astrocyte as an Emerging Player. <i>Molecular Neurobiology</i> , 2018 , 55, 2685-2695	6.2	35
426	Glioprotective Effect of Resveratrol: an Emerging Therapeutic Role for Oligodendroglial Cells. <i>Molecular Neurobiology</i> , 2018 , 55, 2967-2978	6.2	16
425	Resveratrol prevents ammonia-induced mitochondrial dysfunction and cellular redox imbalance in C6 astroglial cells. <i>Nutritional Neuroscience</i> , 2018 , 21, 276-285	3.6	16
424	ZIKA Virus and Neuroscience: the Need for a Translational Collaboration. <i>Molecular Neurobiology</i> , 2018 , 55, 1551-1555	6.2	6
423	Age-Dependent Neurochemical Remodeling of Hypothalamic Astrocytes. <i>Molecular Neurobiology</i> , 2018 , 55, 5565-5579	6.2	11
422	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,	2.3	18
421	Differential effects of typical and atypical antipsychotics on astroglial cells in vitro. <i>International Journal of Developmental Neuroscience</i> , 2018 , 69, 1-9	2.7	9
420	Antioxidant and Neuroprotective Effects of KM-34, A Novel Synthetic Catechol, Against Oxidative Stress-Induced Neurotoxicity. <i>Drug Research</i> , 2018 , 68, 263-269	1.8	3
419	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	5.8	8
418	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	3.9	16
417	Guanosine Anxiolytic-Like Effect Involves Adenosinergic and Glutamatergic Neurotransmitter Systems. <i>Molecular Neurobiology</i> , 2017 , 54, 423-436	6.2	44
416	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	6.2	72

415	Guanosine Exerts Neuroprotective Effect in an Experimental Model of Acute Ammonia Intoxication. <i>Molecular Neurobiology</i> , 2017 , 54, 3137-3148	6.2	11
414	Identification of oral bacteria on titanium implant surfaces by 16S rDNA sequencing. <i>Clinical Oral Implants Research</i> , 2017 , 28, 697-703	4.8	17
413	Resveratrol modulates GSH system in C6 astroglial cells through heme oxygenase 1 pathway. <i>Molecular and Cellular Biochemistry</i> , 2017 , 428, 67-77	4.2	27
412	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	5.5	17
411	Mitochondrial involvement in memory impairment induced by scopolamine in rats. <i>Neurological Research</i> , 2017 , 39, 649-659	2.7	21
410	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	4.7	5
409	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	6.2	6
408	Guanosine Prevents Anhedonic-Like Behavior and Impairment in Hippocampal Glutamate Transport Following Amyloid- β Administration in Mice. <i>Molecular Neurobiology</i> , 2017 , 54, 5482-5496	6.2	30
407	Peripheral Oxidative Stress Biomarkers in Spinocerebellar Ataxia Type 3/Machado-Joseph Disease. <i>Frontiers in Neurology</i> , 2017 , 8, 485	4.1	31
406	Inhibition of Protein Phosphatase 2A: Focus on the Glutamatergic System. <i>Molecular Neurobiology</i> , 2016 , 53, 3753-3755	6.2	8
405	Brain zinc chelation by diethyldithiocarbamate increased the behavioral and mitochondrial damages in zebrafish subjected to hypoxia. <i>Scientific Reports</i> , 2016 , 6, 20279	4.9	11
404	S100B protein and neuron-specific enolase as predictors of cognitive dysfunction after coronary artery bypass graft surgery: A prospective observational study. <i>European Journal of Anaesthesiology</i> , 2016 , 33, 681-9	2.3	34
403	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	4.6	13
402	Neurobehavioral and biochemical changes in <i>Nauphoeta cinerea</i> following dietary exposure to chlorpyrifos. <i>Pesticide Biochemistry and Physiology</i> , 2016 , 130, 22-30	4.9	24
401	Characterization of Amino Acid Profile and Enzymatic Activity in Adult Rat Astrocyte Cultures. <i>Neurochemical Research</i> , 2016 , 41, 1578-86	4.6	5
400	Neuroprotection of luteolin against methylmercury-induced toxicity in lobster cockroach <i>Nauphoeta cinerea</i> . <i>Environmental Toxicology and Pharmacology</i> , 2016 , 42, 243-51	5.8	19
399	Gap Junction Intercellular Communication Mediates Ammonia-Induced Neurotoxicity. <i>Neurotoxicity Research</i> , 2016 , 29, 314-24	4.3	10
398	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, 149-59	3.8	10

397	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	5.3	6
396	Cytokines in Machado Joseph Disease/Spinocerebellar Ataxia 3. <i>Cerebellum</i> , 2016 , 15, 518-25	4.3	18
395	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	3.7	30
394	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	3.7	16
393	How does zebrafish support new strategies for neuroprotection and neuroregeneration in hypoxia-related diseases?. <i>Neural Regeneration Research</i> , 2016 , 11, 1069-70	4.5	1
392	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	1.4	11
391	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	5.1	4
390	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,	4.8	17
389	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, 2060-5	6.1	11
388	Zebrafish in Brazilian Science: Scientific Production, Impact, and Collaboration. <i>Zebrafish</i> , 2016 , 13, 217-25		7
387	Anti-aging effects of guanosine in glial cells. <i>Purinergic Signalling</i> , 2016 , 12, 697-706	3.8	17
386	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	7.5	23
385	Biochemical and behavioral deficits in the lobster cockroach <i>Nauphoeta cinerea</i> model of methylmercury exposure. <i>Toxicology Research</i> , 2015 , 4, 442-451	2.6	34
384	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	2.6	4
383	Resveratrol Protects Hippocampal Astrocytes Against LPS-Induced Neurotoxicity Through HO-1, p38 and ERK Pathways. <i>Neurochemical Research</i> , 2015 , 40, 1600-8	4.6	29
382	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, 512-22	4	11
381	Astrocytes from adult Wistar rats aged in vitro show changes in glial functions. <i>Neurochemistry International</i> , 2015 , 90, 93-7	4.4	24
380	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	3.9	19

379	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, 578-88	3.9	10
378	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, 571-80	3.8	47
377	Planning future clinical trials in Machado Joseph disease: Lessons from a phase 2 trial. <i>Journal of the Neurological Sciences</i> , 2015 , 358, 72-6	3.2	22
376	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, 215-23	4.4	15
375	Evaluation of zinc effect on cadmium action in lipid peroxidation and metallothionein levels in the brain. <i>Toxicology Reports</i> , 2015 , 2, 858-863	4.8	5
374	Overnight S100B in Parkinson's Disease: A glimpse into sleep-related neuroinflammation. <i>Neuroscience Letters</i> , 2015 , 608, 57-63	3.3	9
373	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	11.3	41
372	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	3.9	37
371	Original mechanisms of antipsychotic action by the indole alkaloid alstonine (<i>Picralima nitida</i>). <i>Phytomedicine</i> , 2015 , 22, 52-5	6.5	5
370	Guanosine Protects Against Cortical Focal Ischemia. Involvement of Inflammatory Response. <i>Molecular Neurobiology</i> , 2015 , 52, 1791-1803	6.2	36
369	Changes in Purines Concentration in the Cerebrospinal Fluid of Pregnant Women Experiencing Pain During Active Labor. <i>Neurochemical Research</i> , 2015 , 40, 2262-9	4.6	4
368	High phosphate serum levels correlate with the severity of experimental severe acute pancreatitis: insight into the purinergic system. <i>Pancreas</i> , 2015 , 44, 619-25	2.6	2
367	Long-term NMDAR antagonism correlates reduced astrocytic glutamate uptake with anxiety-like phenotype. <i>Frontiers in Cellular Neuroscience</i> , 2015 , 9, 219	6.1	14
366	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, 52-9	4.1	19
365	Striatal neuronal death mediated by astrocytes from the Gcdh ^{-/-} mouse model of glutaric acidemia type I. <i>Human Molecular Genetics</i> , 2015 , 24, 4504-15	5.6	18
364	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, 1350-7	3.6	18
363	Ammonia impairs glutamatergic communication in astroglial cells: protective role of resveratrol. <i>Toxicology in Vitro</i> , 2015 , 29, 2022-9	3.6	20
362	STC1 interference on calcitonin family of receptors signaling during osteoblastogenesis via adenylate cyclase inhibition. <i>Molecular and Cellular Endocrinology</i> , 2015 , 403, 78-87	4.4	10

361	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, 41-7	4.4	12
360	A randomized, phase 2 clinical trial of lithium carbonate in Machado-Joseph disease. <i>Movement Disorders</i> , 2014 , 29, 568-73	7	51
359	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, 645-54	3.9	32
358	Oxidative stress mediated by NMDA, AMPA/KA channels in acute hippocampal slices: neuroprotective effect of resveratrol. <i>Toxicology in Vitro</i> , 2014 , 28, 544-51	3.6	55
357	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, 479-84	3.6	80
356	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	5.3	24
355	Prevalence of depression symptoms and serum levels of interleukin-6 in hemodialysis patients. <i>Psychiatry and Clinical Neurosciences</i> , 2014 , 68, 275-82	6.2	16
354	Nandrolone-induced aggressive behavior is associated with alterations in extracellular glutamate homeostasis in mice. <i>Hormones and Behavior</i> , 2014 , 66, 383-92	3.7	23
353	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	3.9	23
352	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, 517-27	5.5	35
351	Cellular senescence induced by prolonged subculture adversely affects glutamate uptake in C6 lineage. <i>Neurochemical Research</i> , 2014 , 39, 973-84	4.6	1
350	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, 524-30	3.6	15
349	Anxiolytic effects of diphenyl diselenide on adult zebrafish in a novelty paradigm. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2014 , 54, 187-94	5.5	27
348	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	3.7	16
347	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, 186-92	3.6	27
346	Serum S100B level increases after running but not cycling exercise. <i>Applied Physiology, Nutrition and Metabolism</i> , 2014 , 39, 340-4	3	19
345	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	6	46
344	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	3	8

343	Increased glutamate receptor and transporter expression in the cerebral cortex and striatum of gcdh ^{-/-} mice: possible implications for the neuropathology of glutaric acidemia type I. <i>PLoS ONE</i> , 2014 , 9, e90477	3.7	20
342	The potential therapeutic effect of guanosine after cortical focal ischemia in rats. <i>PLoS ONE</i> , 2014 , 9, e90693	3.7	35
341	Gliopreventive effects of guanosine against glucose deprivation in vitro. <i>Purinergic Signalling</i> , 2013 , 9, 643-54	3.8	28
340	Riluzole increases glutamate uptake by cultured C6 astroglial cells. <i>International Journal of Developmental Neuroscience</i> , 2013 , 31, 482-6	2.7	20
339	Lipoic acid protects C6 cells against ammonia exposure through Na ⁺ -K ⁺ -Cl ⁻ co-transporter and PKC pathway. <i>Toxicology in Vitro</i> , 2013 , 27, 2041-8	3.6	11
338	Selenium compounds prevent amyloid β -peptide neurotoxicity in rat primary hippocampal neurons. <i>Neurochemical Research</i> , 2013 , 38, 2359-63	4.6	30
337	Neurodevelopmental and cognitive behavior of glutaryl-CoA dehydrogenase deficient knockout mice. <i>Life Sciences</i> , 2013 , 92, 137-42	6.8	10
336	Evaluation of spontaneous recovery of behavioral and brain injury profiles in zebrafish after hypoxia. <i>Behavioural Brain Research</i> , 2013 , 253, 145-51	3.4	18
335	Propylthiouracil-induced hypothyroidism during lactation alters leucine and mannose metabolism in rat cerebellar slices. <i>Experimental Biology and Medicine</i> , 2013 , 238, 31-6	3.7	7
334	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, 636-42	4.2	5
333	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, 509-18	4.3	92
332	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, 1271-6	6.1	14
331	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, 30-9	3.7	27
330	Trichilia catigua (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	5.9	27
329	Insulin prevents mitochondrial generation of H ₂ O ₂ in rat brain. <i>Experimental Neurology</i> , 2013 , 247, 66-72	5.7	25
328	Chronic caffeine prevents changes in inhibitory avoidance memory and hippocampal BDNF immunocontent in middle-aged rats. <i>Neuropharmacology</i> , 2013 , 64, 153-9	5.5	33
327	Topographical analysis of reactive zinc in the central nervous system of adult zebrafish (Danio rerio). <i>Zebrafish</i> , 2013 , 10, 376-88	2	6
326	Resveratrol protects C6 astrocyte cell line against hydrogen peroxide-induced oxidative stress through heme oxygenase 1. <i>PLoS ONE</i> , 2013 , 8, e64372	3.7	94

325	Characterization of adult rat astrocyte cultures. <i>PLoS ONE</i> , 2013 , 8, e60282	3.7	59
324	Cd modifies hepatic Zn deposition and modulates β -ALA-D activity and MT levels by distinct mechanisms. <i>Journal of Applied Toxicology</i> , 2012 , 32, 20-5	4.1	12
323	Effects of 3 weeks GMP oral administration on glutamatergic parameters in mice neocortex. <i>Purinergic Signalling</i> , 2012 , 8, 49-58	3.8	3
322	β -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, 151-60	4.2	36
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165	Intracerebroventricular guanine-based purines protect against seizures induced by quinolinic acid in mice. <i>Neurochemical Research</i> , 2005 , 30, 69-73	4.6	38
164	Neurotoxicity induced by glutamate in glucose-deprived rat hippocampal slices is prevented by GMP. <i>Neurochemical Research</i> , 2005 , 30, 83-9	4.6	36

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151	The effects of ebselen on [3H]glutamate uptake by synaptic vesicles from rat brain. <i>Brain Research</i> , 2004 , 1027, 192-5	3.7	10
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149	Riluzole enhances glutamate uptake in rat astrocyte cultures. <i>Cellular and Molecular Neurobiology</i> , 2004 , 24, 123-8	4.6	167
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4	Effect of various forms of training and stimulation on the incorporation of ³² P into the nuclear phosphoproteins of the rat brain. <i>Pharmacology Biochemistry and Behavior</i> , 1980 , 12, 481-6	3.9	6
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2	Effect of naloxone, haloperidol and propranolol on cyclic 3',5'-adenosine monophosphate content of rat amygdala. <i>European Journal of Pharmacology</i> , 1979 , 60, 345-7	5.3	11

- ¹ Relaçã Entre Ritmo Circadiano, Turno e Rendimento Escolar de Alunos do Ensino Fundamental. *Revista Neurociencias*, 21, 175-183
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