

Angela T S Wyse

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.

355
papers

7,618
citations

41
h-index

59
g-index

360
ext. papers

8,303
ext. citations

4
avg, IF

5.57
L-index

#	Paper	IF	Citations
355	Airway inflammation induces anxiety-like behavior through neuroinflammatory, neurochemical, and neurometabolic changes in an allergic asthma model.. <i>Metabolic Brain Disease</i> , 2022 , 1	3.9	0
354	Folic acid supplementation during pregnancy alters behavior in male rat offspring: nitrate stress and neuroinflammatory implications.. <i>Molecular Neurobiology</i> , 2022 , 1	6.2	0
353	Evidence of methylphenidate effect on mitochondria, redox homeostasis, and inflammatory aspects: Insights from animal studies.. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2022 , 110518	5.5	1
352	Lipopolysaccharide Induces Gliotoxicity in Hippocampal Astrocytes from Aged Rats: Insights About the Glioprotective Roles of Resveratrol.. <i>Molecular Neurobiology</i> , 2022 , 1	6.2	1
351	Quinolinic Acid Impairs Redox Homeostasis, Bioenergetic, and Cell Signaling in Rat Striatum Slices: Prevention by Coenzyme Q.. <i>Neurotoxicity Research</i> , 2022 , 1	4.3	0
350	Effects of methylphenidate after a long period of discontinuation include changes in exploratory behavior and increases brain activities of Na ⁺ ,K ⁺ -ATPase and acetylcholinesterase. <i>Neurobiology of Learning and Memory</i> , 2022 , 192, 107637	3.1	0
349	Evidence That Methylphenidate Treatment Evokes Anxiety-Like Behavior Through Glucose Hypometabolism and Disruption of the Orbitofrontal Cortex Metabolic Networks. <i>Neurotoxicity Research</i> , 2021 , 39, 1830-1845	4.3	
348	Paternal exposure to excessive methionine altered behavior and neurochemical activities in zebrafish offspring. <i>Amino Acids</i> , 2021 , 53, 1153-1167	3.5	
347	Hyperhomocysteinemia alters cytokine gene expression, cytochrome c oxidase activity and oxidative stress in striatum and cerebellum of rodents. <i>Life Sciences</i> , 2021 , 277, 119386	6.8	1
346	Mild Hyperhomocysteinemia Causes Anxiety-like Behavior and Brain Hyperactivity in Rodents: Are ATPase and Excitotoxicity by NMDA Receptor Overstimulation Involved in this Effect?. <i>Cellular and Molecular Neurobiology</i> , 2021 , 1	4.6	
345	Effect of Proline on Cell Death, Cell Cycle, and Oxidative Stress in C6 Glioma Cell Line. <i>Neurotoxicity Research</i> , 2021 , 39, 327-334	4.3	0
344	Insights from Animal Models on the Pathophysiology of Hyperphenylalaninemia: Role of Mitochondrial Dysfunction, Oxidative Stress and Inflammation. <i>Molecular Neurobiology</i> , 2021 , 58, 2897-2909	6.2	1
343	Homocysteine and Gliotoxicity. <i>Neurotoxicity Research</i> , 2021 , 39, 966-974	4.3	2
342	Purinergic signaling in the modulation of redox biology. <i>Redox Biology</i> , 2021 , 47, 102137	11.3	3
341	Effects of vitamin D administration on nociception and spinal cord pro-oxidant and antioxidant markers in a rat model of neuropathic pain. <i>Brazilian Journal of Medical and Biological Research</i> , 2021 , 54, e11207	2.8	1
340	Purple grape juice consumption during the gestation reduces acetylcholinesterase activity and oxidative stress levels provoked by high-fat diet in hippocampus from adult female rats descendants. <i>Anais Da Academia Brasileira De Ciencias</i> , 2021 , 93, e20191002	1.4	2
339	Withdrawal Effects Following Methionine Exposure in Adult Zebrafish. <i>Molecular Neurobiology</i> , 2020 , 57, 3485-3497	6.2	1

338	Intrastriatal Quinolinic Acid Administration Impairs Redox Homeostasis and Induces Inflammatory Changes: Prevention by Kynurenic Acid. <i>Neurotoxicity Research</i> , 2020 , 38, 50-58	4.3	5
337	Methionine and methionine sulfoxide induces neurochemical and morphological changes in cultured astrocytes: Involvement of Na, K-ATPase activity, oxidative status, and cholinergic and purinergic signaling. <i>NeuroToxicology</i> , 2020 , 77, 60-70	4.4	3
336	Chronic mild hyperhomocysteinemia induces anxiety-like symptoms, aversive memory deficits and hippocampus atrophy in adult rats: New insights into physiopathological mechanisms. <i>Brain Research</i> , 2020 , 1728, 146592	3.7	5
335	Changes in Inflammatory Response, Redox Status and Na, K-ATPase Activity in Primary Astrocyte Cultures from Female Wistar Rats Subject to Ovariectomy. <i>Neurotoxicity Research</i> , 2020 , 37, 445-454	4.3	3
334	Hypermethioninemia induces memory deficits and morphological changes in hippocampus of young rats: implications on pathogenesis. <i>Amino Acids</i> , 2020 , 52, 371-385	3.5	5
333	Sulforaphane Induces Glioprotection After LPS Challenge. <i>Cellular and Molecular Neurobiology</i> , 2020 , 1	4.6	7
332	P2X7 receptor deletion attenuates oxidative stress and liver damage in sepsis. <i>Purinergic Signalling</i> , 2020 , 16, 561-572	3.8	10
331	Autophagy induces eosinophil extracellular traps formation and allergic airway inflammation in a murine asthma model. <i>Journal of Cellular Physiology</i> , 2020 , 235, 267-280	7	31
330	Cholinergic anti-inflammatory pathway confers airway protection against oxidative damage and attenuates inflammation in an allergic asthma model. <i>Journal of Cellular Physiology</i> , 2020 , 235, 1838-1849	7	10
329	Consumption of a palatable diet rich in simple sugars during development impairs memory of different degrees of emotionality and changes hippocampal plasticity according to the age of the rats. <i>International Journal of Developmental Neuroscience</i> , 2020 , 80, 354	2.7	3
328	Resveratrol and resveratrol-hydroxypropyl- β -cyclodextrin complex recovered the changes of creatine kinase and Na ⁺ , K ⁺ -ATPase activities found in the spleen from streptozotocin-induced diabetic rats. <i>Anais Da Academia Brasileira De Ciencias</i> , 2019 , 91, e20181330	1.4	6
327	The neuroprotective role of melatonin in a gestational hypermethioninemia model. <i>International Journal of Developmental Neuroscience</i> , 2019 , 78, 198-209	2.7	10
326	Reactive oxygen species are involved in eosinophil extracellular traps release and in airway inflammation in asthma. <i>Journal of Cellular Physiology</i> , 2019 , 234, 23633-23646	7	29
325	Creatine as a Neuroprotector: an Actor that Can Play Many Parts. <i>Neurotoxicity Research</i> , 2019 , 36, 411-423	4.3	23
324	Chronic mild Hyperhomocysteinemia impairs energy metabolism, promotes DNA damage and induces a Nrf2 response to oxidative stress in rats brain. <i>Cellular and Molecular Neurobiology</i> , 2019 , 39, 687-700	4.6	15
323	Disruption of Brain Redox Homeostasis, Microglia Activation and Neuronal Damage Induced by Intracerebroventricular Administration of S-Adenosylmethionine to Developing Rats. <i>Molecular Neurobiology</i> , 2019 , 56, 2760-2773	6.2	8
322	Cross-talk between guanidinoacetate neurotoxicity, memory and possible neuroprotective role of creatine. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019 , 1865, 165529	6.9	4
321	Methylphenidate alters Akt-mTOR signaling in rat pheochromocytoma cells. <i>International Journal of Developmental Neuroscience</i> , 2019 , 73, 10-18	2.7	2

320	Disruption of Purinergic Receptor P2X7 Signaling Increases Susceptibility to Cerebral Toxoplasmosis. <i>American Journal of Pathology</i> , 2019 , 189, 730-738	5.8	9
319	The Role of Oxidative Stress and Bioenergetic Dysfunction in Sulfite Oxidase Deficiency: Insights from Animal Models. <i>Neurotoxicity Research</i> , 2019 , 35, 484-494	4.3	12
318	Hypoxanthine Induces Neuroenergetic Impairment and Cell Death in Striatum of Young Adult Wistar Rats. <i>Molecular Neurobiology</i> , 2018 , 55, 4098-4106	6.2	16
317	Methylphenidate disrupts cytoskeletal homeostasis and reduces membrane-associated lipid content in juvenile rat hippocampus. <i>Metabolic Brain Disease</i> , 2018 , 33, 693-704	3.9	6
316	Chronic Mild Hyperhomocysteinemia Alters Inflammatory and Oxidative/Nitrative Status and Causes Protein/DNA Damage, as well as Ultrastructural Changes in Cerebral Cortex: Is Acetylsalicylic Acid Neuroprotective?. <i>Neurotoxicity Research</i> , 2018 , 33, 580-592	4.3	11
315	Kynurenic Acid Restores Nrf2 Levels and Prevents Quinolinic Acid-Induced Toxicity in Rat Striatal Slices. <i>Molecular Neurobiology</i> , 2018 , 55, 8538-8549	6.2	26
314	Maternal Hypermethioninemia Affects Neurons Number, Neurotrophins Levels, Energy Metabolism, and Na,K-ATPase Expression/Content in Brain of Rat Offspring. <i>Molecular Neurobiology</i> , 2018 , 55, 980-988	6.2	11
313	Homocysteine Induces Glial Reactivity in Adult Rat Astrocyte Cultures. <i>Molecular Neurobiology</i> , 2018 , 55, 1966-1976	6.2	19
312	Methionine Administration in Pregnant Rats Causes Memory Deficit in the Offspring and Alters Ultrastructure in Brain Tissue. <i>Neurotoxicity Research</i> , 2018 , 33, 239-246	4.3	8
311	S-Adenosylmethionine Promotes Oxidative Stress and Decreases Na, K-ATPase Activity in Cerebral Cortex Supernatants of Adolescent Rats: Implications for the Pathogenesis of S-Adenosylhomocysteine Hydrolase Deficiency. <i>Molecular Neurobiology</i> , 2018 , 55, 5868-5878	6.2	8
310	Kynurenic Acid Prevents Cytoskeletal Disorganization Induced by Quinolinic Acid in Mixed Cultures of Rat Striatum. <i>Molecular Neurobiology</i> , 2018 , 55, 5111-5124	6.2	10
309	Experimental neonatal hypoxia ischemia causes long lasting changes of oxidative stress parameters in the hippocampus and the spleen. <i>Journal of Perinatal Medicine</i> , 2018 , 46, 433-439	2.7	9
308	Fructose-1,6-bisphosphate preserves glucose metabolism integrity and reduces reactive oxygen species in the brain during experimental sepsis. <i>Brain Research</i> , 2018 , 1698, 54-61	3.7	8
307	Evidence that Thiosulfate Inhibits Creatine Kinase Activity in Rat Striatum via Thiol Group Oxidation. <i>Neurotoxicity Research</i> , 2018 , 34, 693-705	4.3	13
306	Vitamin D Supplementation Reverses DNA Damage and Telomeres Shortening Caused by Ovariectomy in Hippocampus of Wistar Rats. <i>Neurotoxicity Research</i> , 2018 , 34, 538-546	4.3	4
305	Synergistic Toxicity of the Neurometabolites Quinolinic Acid and Homocysteine in Cortical Neurons and Astrocytes: Implications in Alzheimer's Disease. <i>Neurotoxicity Research</i> , 2018 , 34, 147-163	4.3	9
304	Vitamin D partially reverses the increase in p-NF- κ B/p65 immunocontent and interleukin-6 levels, but not in acetylcholinesterase activity in hippocampus of adult female ovariectomized rats. <i>International Journal of Developmental Neuroscience</i> , 2018 , 71, 122-129	2.7	4
303	Methylphenidate Causes Behavioral Impairments and Neuron and Astrocyte Loss in the Hippocampus of Juvenile Rats. <i>Molecular Neurobiology</i> , 2017 , 54, 4201-4216	6.2	18

302	D-Galactose Causes Motor Coordination Impairment, and Histological and Biochemical Changes in the Cerebellum of Rats. <i>Molecular Neurobiology</i> , 2017 , 54, 4127-4137	6.2	6
301	Hypoxanthine Intrastratial Administration Alters Neuroinflammatory Profile and Redox Status in Striatum of Infant and Young Adult Rats. <i>Molecular Neurobiology</i> , 2017 , 54, 2790-2800	6.2	9
300	Evaluation of Oxidative Stress Parameters and Energy Metabolism in Cerebral Cortex of Rats Subjected to Sarcosine Administration. <i>Molecular Neurobiology</i> , 2017 , 54, 4496-4506	6.2	3
299	1,25-Dihydroxyvitamin D prevents deleterious effects of homocysteine on mitochondrial function and redox status in heart slices. <i>Nutrition Research</i> , 2017 , 38, 52-63	4	14
298	Disruption of Energy Transfer and Redox Status by Sulfite in Hippocampus, Striatum, and Cerebellum of Developing Rats. <i>Neurotoxicity Research</i> , 2017 , 32, 264-275	4.3	7
297	Bezafibrate prevents mitochondrial dysfunction, antioxidant system disturbance, glial reactivity and neuronal damage induced by sulfite administration in striatum of rats: Implications for a possible therapeutic strategy for sulfite oxidase deficiency. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2017 , 1808, 2135-2146	6.9	28
296	Argininic acid alters markers of cellular oxidative damage in vitro: Protective role of antioxidants. <i>Experimental and Toxicologic Pathology</i> , 2017 , 69, 605-611		4
295	Effects of previous physical exercise to chronic stress on long-term aversive memory and oxidative stress in amygdala and hippocampus of rats. <i>International Journal of Developmental Neuroscience</i> , 2017 , 56, 58-67	2.7	15
294	Treadmill running prevents age-related memory deficit and alters neurotrophic factors and oxidative damage in the hippocampus of Wistar rats. <i>Behavioural Brain Research</i> , 2017 , 334, 78-85	3.4	28
293	Vitamin D Reverses the Hippocampal Cytoskeleton Imbalance But Not Memory Deficits Caused by Ovariectomy in Adult Wistar Rats. <i>NeuroMolecular Medicine</i> , 2017 , 19, 345-356	4.6	6
292	Acute administration of methionine and/or methionine sulfoxide impairs redox status and induces apoptosis in rat cerebral cortex. <i>Metabolic Brain Disease</i> , 2017 , 32, 1693-1703	3.9	17
291	Severe Hyperhomocysteinemia Decreases Creatine Kinase Activity and Causes Memory Impairment: Neuroprotective Role of Creatine. <i>Neurotoxicity Research</i> , 2017 , 32, 585-593	4.3	5
290	Methylphenidate Decreases ATP Levels and Impairs Glutamate Uptake and Na,K-ATPase Activity in Juvenile Rat Hippocampus. <i>Molecular Neurobiology</i> , 2017 , 54, 7796-7807	6.2	17
289	Neurotoxicity of Methylmercury in Isolated Astrocytes and Neurons: the Cytoskeleton as a Main Target. <i>Molecular Neurobiology</i> , 2017 , 54, 5752-5767	6.2	28
288	Galactose alters markers of oxidative stress and acetylcholinesterase activity in the cerebrum of rats: protective role of antioxidants. <i>Metabolic Brain Disease</i> , 2017 , 32, 359-368	3.9	5
287	P2X7 Receptor Signaling Contributes to Sepsis-Associated Brain Dysfunction. <i>Molecular Neurobiology</i> , 2017 , 54, 6459-6470	6.2	31
286	Chronic Treatment with a Clinically Relevant Dose of Methylphenidate Increases Glutamate Levels in Cerebrospinal Fluid and Impairs Glutamatergic Homeostasis in Prefrontal Cortex of Juvenile Rats. <i>Molecular Neurobiology</i> , 2016 , 53, 2384-96	6.2	13
285	Cerebral Oedema, Blood-Brain Barrier Breakdown and the Decrease in Na(+),K(+)-ATPase Activity in the Cerebral Cortex and Hippocampus are Prevented by Dexamethasone in an Animal Model of Maple Syrup Urine Disease. <i>Molecular Neurobiology</i> , 2016 , 53, 3714-3723	6.2	12

284	Guanidinoacetate Methyltransferase Deficiency: A Review of Guanidinoacetate Neurotoxicity. <i>FIRE Forum for International Research in Education</i> , 2016 , 4, 232640981666937	1.4	5
283	Mechanistic basis of hypermethioninemia. <i>Amino Acids</i> , 2016 , 48, 2479-2489	3.5	25
282	Methionine Exposure Alters Glutamate Uptake and Adenine Nucleotide Hydrolysis in the Zebrafish Brain. <i>Molecular Neurobiology</i> , 2016 , 53, 200-209	6.2	7
281	Crosstalk Among Disrupted Glutamatergic and Cholinergic Homeostasis and Inflammatory Response in Mechanisms Elicited by Proline in Astrocytes. <i>Molecular Neurobiology</i> , 2016 , 53, 1065-1079	6.2	5
280	Severe Hyperhomocysteinemia Decreases Respiratory Enzyme and Na(+)-K(+) ATPase Activities, and Leads to Mitochondrial Alterations in Rat Amygdala. <i>Neurotoxicity Research</i> , 2016 , 29, 408-18	4.3	13
279	Characterization of Amino Acid Profile and Enzymatic Activity in Adult Rat Astrocyte Cultures. <i>Neurochemical Research</i> , 2016 , 41, 1578-86	4.6	5
278	1,25-Dihydroxyvitamin D3 exerts neuroprotective effects in an ex vivo model of mild hyperhomocysteinemia. <i>International Journal of Developmental Neuroscience</i> , 2016 , 48, 71-9	2.7	20
277	Intracerebroventricular D-galactose administration impairs memory and alters activity and expression of acetylcholinesterase in the rat. <i>International Journal of Developmental Neuroscience</i> , 2016 , 50, 1-6	2.7	5
276	Early life adversities or high fat diet intake reduce cognitive function and alter BDNF signaling in adult rats: Interplay of these factors changes these effects. <i>International Journal of Developmental Neuroscience</i> , 2016 , 50, 16-25	2.7	32
275	Antioxidant effect of simvastatin through oxidative imbalance caused by lisdexamfetamine dimesylate. <i>Anais Da Academia Brasileira De Ciencias</i> , 2016 , 88, 335-48	1.4	5
274	Protective effect of green tea extract against proline-induced oxidative damage in the rat kidney. <i>Biomedicine and Pharmacotherapy</i> , 2016 , 83, 1422-1427	7.5	17
273	Uliginosin B, a natural phloroglucinol derivative with antidepressant-like activity, increases Na ⁺ ,K ⁺ -ATPase activity in mice cerebral cortex. <i>Revista Brasileira De Farmacognosia</i> , 2016 , 26, 611-618	2	5
272	Higher susceptibility of cerebral cortex and striatum to sulfite neurotoxicity in sulfite oxidase-deficient rats. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2016 , 1862, 2063-2074	6.9	11
271	Quinolinic acid neurotoxicity: Differential roles of astrocytes and microglia via FGF-2-mediated signaling in redox-linked cytoskeletal changes. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2016 , 1863, 3001-3014	4.9	20
270	In vitro evidence that sulfite impairs glutamatergic neurotransmission and inhibits glutathione metabolism-related enzymes in rat cerebral cortex. <i>International Journal of Developmental Neuroscience</i> , 2015 , 42, 68-75	2.7	12
269	Differential in vitro effects of homoarginine on oxidative stress in plasma, erythrocytes, kidney and liver of rats in the absence and in the presence of tocopherol, ascorbic acid or L-NAME. <i>Amino Acids</i> , 2015 , 47, 1931-9	3.5	8
268	Lipid, Oxidative and Inflammatory Profile and Alterations in the Enzymes Paraoxonase and Butyrylcholinesterase in Plasma of Patients with Homocystinuria Due CBS Deficiency: The Vitamin B12 and Folic Acid Importance. <i>Cellular and Molecular Neurobiology</i> , 2015 , 35, 899-911	4.6	14
267	Experimental Lung Injury Promotes Changes in Oxidative/Nitrative Status and Inflammatory Markers in Cerebral Cortex of Rats. <i>Molecular Neurobiology</i> , 2015 , 52, 1590-1600	6.2	3

266	Relationship between pathological findings and enzymes of the energy metabolism in liver of rats infected by <i>Trypanosoma evansi</i> . <i>Parasitology International</i> , 2015 , 64, 547-52	2.1	8
265	U18666A Treatment Results in Cholesterol Accumulation, Reduced Na(+), K(+)-ATPase Activity, and Increased Oxidative Stress in Rat Cortical Astrocytes. <i>Lipids</i> , 2015 , 50, 937-44	1.6	4
264	Gestational hypermethioninaemia alters oxidative/nitrative status in skeletal muscle and biomarkers of muscular injury and inflammation in serum of rat offspring. <i>International Journal of Experimental Pathology</i> , 2015 , 96, 277-84	2.8	5
263	Ammonia impairs glutamatergic communication in astroglial cells: protective role of resveratrol. <i>Toxicology in Vitro</i> , 2015 , 29, 2022-9	3.6	20
262	Development of an animal model for gestational hypermethioninemia in rat and its effect on brain Na ⁺ ,K ⁺ -ATPase/Mg ²⁺ -ATPase activity and oxidative status of the offspring. <i>Metabolic Brain Disease</i> , 2014 , 29, 153-60	3.9	21
261	Sulfite disrupts brain mitochondrial energy homeostasis and induces mitochondrial permeability transition pore opening via thiol group modification. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2014 , 1842, 1413-22	6.9	24
260	Hypoxanthine induces oxidative stress in kidney of rats: protective effect of vitamins E plus C and allopurinol. <i>Cell Biochemistry and Function</i> , 2014 , 32, 387-94	4.2	17
259	Creatine prevents the imbalance of redox homeostasis caused by homocysteine in skeletal muscle of rats. <i>Gene</i> , 2014 , 545, 72-9	3.8	15
258	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
257	Effect of N-acetylgarginine, a metabolite accumulated in hyperargininemia, on parameters of oxidative stress in rats: protective role of vitamins and L-NAME. <i>Cell Biochemistry and Function</i> , 2014 , 32, 511-9	4.2	9
256	Experimental lung injury promotes alterations in energy metabolism and respiratory mechanics in the lungs of rats: prevention by exercise. <i>Molecular and Cellular Biochemistry</i> , 2014 , 389, 229-38	4.2	7
255	Effect of physical exercise on changes in activities of creatine kinase, cytochrome c oxidase and ATP levels caused by ovariectomy. <i>Metabolic Brain Disease</i> , 2014 , 29, 825-35	3.9	11
254	Contextual fear conditioning in maternal separated rats: the amygdala as a site for alterations. <i>Neurochemical Research</i> , 2014 , 39, 384-93	4.6	21
253	Hyperprolinemia induces DNA, protein and lipid damage in blood of rats: antioxidant protection. <i>International Journal of Biochemistry and Cell Biology</i> , 2014 , 54, 20-5	5.6	8
252	Mild hyperhomocysteinemia increases brain acetylcholinesterase and proinflammatory cytokine levels in different tissues. <i>Molecular Neurobiology</i> , 2014 , 50, 589-96	6.2	43
251	Isolation during the prepubertal period associated with chronic access to palatable diets: effects on plasma lipid profile and liver oxidative stress. <i>Physiology and Behavior</i> , 2014 , 124, 23-32	3.5	17
250	Evaluation of Na ⁺ , K ⁺ -ATPase activity in the brain of young rats after acute administration of fenproporex. <i>Revista Brasileira De Psiquiatria</i> , 2014 , 36, 138-42	2.6	6
249	Study of antidepressant-like activity of an enriched phloroglucinol fraction obtained from <i>Hypericum caprifoliatum</i> . <i>Pharmaceutical Biology</i> , 2014 , 52, 105-10	3.8	8

248	Neonatal environmental intervention alters the vulnerability to the metabolic effects of chronic palatable diet exposure in adulthood. <i>Nutritional Neuroscience</i> , 2014 , 17, 127-37	3.6	3
247	Coumestrol treatment prevents Na ⁺ , K ⁺ -ATPase inhibition and affords histological neuroprotection to male rats receiving cerebral global ischemia. <i>Neurological Research</i> , 2014 , 36, 198-206	2.7	20
246	Mild hyperhomocysteinemia reduces the activity and immunocontent, but does not alter the gene expression, of catalytic β subunits of cerebral Na ⁺ ,K ⁺ -ATPase. <i>Molecular and Cellular Biochemistry</i> , 2013 , 378, 91-7	4.2	11
245	Effect of hypoxanthine, antioxidants and allopurinol on cholinesterase activities in rats. <i>Journal of Neural Transmission</i> , 2013 , 120, 1359-67	4.3	8
244	Proline-induced changes in acetylcholinesterase activity and gene expression in zebrafish brain: reversal by antipsychotic drugs. <i>Neuroscience</i> , 2013 , 250, 121-8	3.9	6
243	Cytoskeleton of cortical astrocytes as a target to proline through oxidative stress mechanisms. <i>Experimental Cell Research</i> , 2013 , 319, 89-104	4.2	15
242	Are the consequences of neonatal hypoxia-ischemia dependent on animals' sex and brain lateralization?. <i>Brain Research</i> , 2013 , 1507, 105-14	3.7	29
241	In vitro stimulation of oxidative stress by hypoxanthine in blood of rats: prevention by vitamins e plus C and allopurinol. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2013 , 32, 42-57	1.4	7
240	Homocysteine induces energy imbalance in rat skeletal muscle: is creatine a protector?. <i>Cell Biochemistry and Function</i> , 2013 , 31, 575-84	4.2	24
239	The effect of exercise on the oxidative stress induced by experimental lung injury. <i>Life Sciences</i> , 2013 , 92, 218-27	6.8	13
238	Evidences that maternal swimming exercise improves antioxidant defenses and induces mitochondrial biogenesis in the brain of young Wistar rats. <i>Neuroscience</i> , 2013 , 246, 28-39	3.9	52
237	Expression of matrix metalloproteinases in patients with bipolar disorder. <i>Revista Brasileira De Psiquiatria</i> , 2013 , 35, 375-9	2.6	2
236	Homocysteine and other markers of cardiovascular risk during a manic episode in patients with bipolar disorder. <i>Revista Brasileira De Psiquiatria</i> , 2013 , 35, 157-60	2.6	15
235	Increased Na ⁺ ,K ⁺ -ATPase activity in the rat brain after meningitis induction by <i>Streptococcus pneumoniae</i> . <i>Acta Neuropsychiatrica</i> , 2012 , 24, 301-5	3.9	
234	Experimental hyperprolinemia induces mild oxidative stress, metabolic changes, and tissue adaptation in rat liver. <i>Journal of Cellular Biochemistry</i> , 2012 , 113, 174-83	4.7	14
233	Acute hyperhomocysteinemia alters the coagulation system and oxidative status in the blood of rats. <i>Molecular and Cellular Biochemistry</i> , 2012 , 360, 205-14	4.2	11
232	Chronic methylphenidate administration alters antioxidant defenses and butyrylcholinesterase activity in blood of juvenile rats. <i>Molecular and Cellular Biochemistry</i> , 2012 , 361, 281-8	4.2	19
231	Chronic mild hyperhomocysteinemia alters ectonucleotidase activities and gene expression of ecto-5'Nucleotidase/CD73 in rat lymphocytes. <i>Molecular and Cellular Biochemistry</i> , 2012 , 362, 187-94	4.2	6

230	Maternal depression model: long-lasting effects on the mother following separation from pups. <i>Neurochemical Research</i> , 2012 , 37, 126-33	4.6	12
229	Evidence that hyperprolinemia alters glutamatergic homeostasis in rat brain: neuroprotector effect of guanosine. <i>Neurochemical Research</i> , 2012 , 37, 205-13	4.6	15
228	Long-term proline exposure alters nucleotide catabolism and ectonucleotidase gene expression in zebrafish brain. <i>Metabolic Brain Disease</i> , 2012 , 27, 541-9	3.9	4
227	Methylphenidate induces lipid and protein damage in prefrontal cortex, but not in cerebellum, striatum and hippocampus of juvenile rats. <i>Metabolic Brain Disease</i> , 2012 , 27, 605-12	3.9	35
226	Behavioral changes induced by long-term proline exposure are reversed by antipsychotics in zebrafish. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2012 , 36, 258-63	5.5	35
225	Protective effect of antioxidants on blood oxidative stress caused by arginine. <i>Fundamental and Clinical Pharmacology</i> , 2012 , 26, 250-8	3.1	6
224	Neonatal hypoxia-ischemia induces sex-related changes in rat brain mitochondria. <i>Mitochondrion</i> , 2012 , 12, 271-9	4.9	45
223	Physical exercise reverses glutamate uptake and oxidative stress effects of chronic homocysteine administration in the rat. <i>International Journal of Developmental Neuroscience</i> , 2012 , 30, 69-74	2.7	21
222	Evidence that AKT and GSK-3 β pathway are involved in acute hyperhomocysteinemia. <i>International Journal of Developmental Neuroscience</i> , 2012 , 30, 369-74	2.7	9
221	Mild hyperhomocysteinemia alters extracellular adenine metabolism in rat brain. <i>Neuroscience</i> , 2012 , 223, 28-34	3.9	6
220	The decrease on Na(+), K(+)-ATPase activity in the cortex, but not in hippocampus, is reverted by antioxidants in an animal model of sepsis. <i>Molecular Neurobiology</i> , 2012 , 46, 467-74	6.2	12
219	Differential macrophage activation alters the expression profile of NTPDase and ecto-5Nucleotidase. <i>PLoS ONE</i> , 2012 , 7, e31205	3.7	115
218	Isolation stress during the prepubertal period in rats induces long-lasting neurochemical changes in the prefrontal cortex. <i>Neurochemical Research</i> , 2012 , 37, 1063-73	4.6	18
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210	Acute and chronic hypermethioninemia alter Na ⁺ K ⁺ -ATPase activity in rat hippocampus: prevention by antioxidants. <i>International Journal of Developmental Neuroscience</i> , 2011 , 29, 483-8	2.7	17
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63	Alanine prevents the inhibition of pyruvate kinase activity caused by tryptophan in cerebral cortex of rats. <i>Metabolic Brain Disease</i> , 2003 , 18, 129-37	3.9	20
62	In vitro effect of homocysteine on some parameters of oxidative stress in rat hippocampus. <i>Metabolic Brain Disease</i> , 2003 , 18, 147-54	3.9	78
61	Effect of proline on creatine kinase activity in rat brain. <i>Metabolic Brain Disease</i> , 2003 , 18, 169-77	3.9	1
60	Proline reduces creatine kinase activity in the brain cortex of rats. <i>Neurochemical Research</i> , 2003 , 28, 1175-80	4.6	19
59	Evidence that antioxidants prevent the inhibition of Na ⁺ ,K(+)-ATPase activity induced by octanoic acid in rat cerebral cortex in vitro. <i>Neurochemical Research</i> , 2003 , 28, 1255-63	4.6	16
58	Inhibition of mitochondrial creatine kinase activity by D-2-hydroxyglutaric acid in cerebellum of young rats. <i>Neurochemical Research</i> , 2003 , 28, 1329-37	4.6	4
57	Reduction of hippocampal Na ⁺ , K ⁺ -ATPase activity in rats subjected to an experimental model of depression. <i>Neurochemical Research</i> , 2003 , 28, 1339-44	4.6	80
56	Homocysteine inhibits butyrylcholinesterase activity in rat serum. <i>Metabolic Brain Disease</i> , 2003 , 18, 187-94	3.9	11
55	Effects of L-2-hydroxyglutaric acid on various parameters of the glutamatergic system in cerebral cortex of rats. <i>Metabolic Brain Disease</i> , 2003 , 18, 233-43	3.9	13
54	In vitro homocysteine inhibits platelet Na ⁺ ,K ⁺ -ATPase and serum butyrylcholinesterase activities of young rats. <i>Metabolic Brain Disease</i> , 2003 , 18, 273-80	3.9	5
53	Proline reduces acetylcholinesterase activity in cerebral cortex of rats. <i>Metabolic Brain Disease</i> , 2003 , 18, 79-86	3.9	32
52	Effect of leucine administration on creatine kinase activity in rat brain. <i>Metabolic Brain Disease</i> , 2003 , 18, 17-25	3.9	21
51	Ethylmalonic acid inhibits mitochondrial creatine kinase activity from cerebral cortex of young rats in vitro. <i>Neurochemical Research</i> , 2003 , 28, 771-7	4.6	25

50	Creatine kinase activity from rat brain is inhibited by branched-chain amino acids in vitro. <i>Neurochemical Research</i> , 2003 , 28, 675-9	4.6	33
49	In vivo and in vitro effects of proline on some parameters of oxidative stress in rat brain. <i>Brain Research</i> , 2003 , 991, 180-6	3.7	32
48	Glutaric acid induces oxidative stress in brain of young rats. <i>Brain Research</i> , 2003 , 964, 153-8	3.7	72
47	Characterization of the inhibition of pyruvate kinase caused by phenylalanine and phenylpyruvate in rat brain cortex. <i>Brain Research</i> , 2003 , 968, 199-205	3.7	31
46	Ascorbic acid prevents water maze behavioral deficits caused by early postnatal methylmalonic acid administration in the rat. <i>Brain Research</i> , 2003 , 976, 234-42	3.7	25
45	Reduction of energy metabolism in rat hippocampus by arginine administration. <i>Brain Research</i> , 2003 , 983, 58-63	3.7	22
44	D-2-hydroxyglutaric acid inhibits creatine kinase activity from cardiac and skeletal muscle of young rats. <i>European Journal of Clinical Investigation</i> , 2003 , 33, 840-7	4.6	10
43	Evaluation of the effect of chronic administration of drugs on rat behavior in the water maze task. <i>Brain Research Protocols</i> , 2003 , 12, 109-15		8
42	Inhibition of brain energy metabolism by the alpha-keto acids accumulating in maple syrup urine disease. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2003 , 1639, 232-8	6.9	67
41	Brain energy metabolism is compromised by the metabolites accumulating in homocystinuria. <i>Neurochemistry International</i> , 2003 , 43, 597-602	4.4	41
40	Hyperphenylalaninemia reduces creatine kinase activity in the cerebral cortex of rats. <i>International Journal of Developmental Neuroscience</i> , 2003 , 21, 111-6	2.7	23
39	Proline induces oxidative stress in cerebral cortex of rats. <i>International Journal of Developmental Neuroscience</i> , 2003 , 21, 105-10	2.7	47
38	In vitro effects of L-arginine and guanidino compounds on NTPDase1 and 5Rnucleotidase activities from rat brain synaptosomes. <i>International Journal of Developmental Neuroscience</i> , 2003 , 21, 75-82	2.7	19
37	Kinetic studies on the inhibition of creatine kinase activity by branched-chain alpha-amino acids in the brain cortex of rats. <i>International Journal of Developmental Neuroscience</i> , 2003 , 21, 145-51	2.7	10
36	L-2-hydroxyglutaric acid inhibits mitochondrial creatine kinase activity from cerebellum of developing rats. <i>International Journal of Developmental Neuroscience</i> , 2003 , 21, 217-24	2.7	27
35	Inhibition of Na ⁺ , K ⁺ -ATPase activity in rat striatum by guanidinoacetate. <i>International Journal of Developmental Neuroscience</i> , 2003 , 21, 183-9	2.7	19
34	Evidence that oxidative stress is involved in the inhibitory effect of proline on Na(+),K(+)-ATPase activity in synaptic plasma membrane of rat hippocampus. <i>International Journal of Developmental Neuroscience</i> , 2003 , 21, 303-7	2.7	26
33	Impairment of energy metabolism in hippocampus of rats subjected to chemically-induced hyperhomocysteinemia. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2003 , 1637, 187-92	6.9	27

32	Arginine administration inhibits hippocampal Na(+),K(+)-ATPase activity and impairs retention of an inhibitory avoidance task in rats. <i>Brain Research</i> , 2002 , 951, 151-7	3-7	55
31	Chronic treatment with glutaric acid induces partial tolerance to excitotoxicity in neuronal cultures from chick embryo telencephalons. <i>Journal of Neuroscience Research</i> , 2002 , 68, 424-31	4-4	51
30	Inhibition of the mitochondrial respiratory chain by phenylalanine in rat cerebral cortex. <i>Neurochemical Research</i> , 2002 , 27, 353-7	4-6	33
29	Inhibition of Na+, K+-ATPase activity by the metabolites accumulating in homocystinuria. <i>Metabolic Brain Disease</i> , 2002 , 17, 83-91	3-9	40
28	Inhibition of the mitochondrial respiratory chain by alanine in rat cerebral cortex. <i>Metabolic Brain Disease</i> , 2002 , 17, 123-30	3-9	4
27	Pretreatment with vitamins E and C prevent the impairment of memory caused by homocysteine administration in rats. <i>Metabolic Brain Disease</i> , 2002 , 17, 211-7	3-9	53
26	Alanine prevents the reduction of pyruvate kinase activity in brain cortex of rats subjected to chemically induced hyperphenylalaninemia. <i>Neurochemical Research</i> , 2002 , 27, 947-52	4-6	14
25	Inhibition of Na(+),K(+)-ATPase activity in hippocampus of rats subjected to acute administration of homocysteine is prevented by vitamins E and C treatment. <i>Neurochemical Research</i> , 2002 , 27, 1685-9	4-6	86
24	Reduction of Na(+),K(+)-ATPase activity in hippocampus of rats subjected to chemically induced hyperhomocysteinemia. <i>Neurochemical Research</i> , 2002 , 27, 1593-8	4-6	78
23	Inhibition of creatine kinase activity in vitro by ethylmalonic acid in cerebral cortex of young rats. <i>Neurochemical Research</i> , 2002 , 27, 1633-9	4-6	39
22	Arginine administration reduces catalase activity in midbrain of rats. <i>NeuroReport</i> , 2002 , 13, 1301-4	1-7	12
21	Inhibition of cytochrome c oxidase activity in rat cerebral cortex and human skeletal muscle by D-2-hydroxyglutaric acid in vitro. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2002 , 1586, 81-91	6-9	69
20	Experimental hyperphenylalaninemia provokes oxidative stress in rat brain. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2002 , 1586, 344-52	6-9	49
19	On the mechanism of the inhibition of Na(+), K(+)-ATPase activity caused by homocysteine. <i>International Journal of Developmental Neuroscience</i> , 2002 , 20, 77-81	2-7	17
18	Inhibition of the mitochondrial respiratory chain complex activities in rat cerebral cortex by methylmalonic acid. <i>Neurochemistry International</i> , 2002 , 40, 593-601	4-4	93
17	Inhibition of Na+,K+-ATPase activity from rat hippocampus by proline. <i>Neurochemical Research</i> , 2001 , 26, 1321-6	4-6	27
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15	Nitric oxide synthase inhibition by L-NAME prevents the decrease of Na+,K+-ATPase activity in midbrain of rats subjected to arginine administration. <i>Neurochemical Research</i> , 2001 , 26, 515-20	4-6	38

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13	Effects of methylmalonic and propionic acids on glutamate uptake by synaptosomes and synaptic vesicles and on glutamate release by synaptosomes from cerebral cortex of rats. <i>Brain Research</i> , 2001 , 920, 194-201	3.7	21
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6	Proline administration decreases Na ⁺ ,K ⁺ -ATPase activity in the synaptic plasma membrane from cerebral cortex of rats. <i>Metabolic Brain Disease</i> , 1999 , 14, 265-72	3.9	16
5	Pre-conditioning to global cerebral ischemia changes hippocampal acetylcholinesterase in the rat. <i>IUBMB Life</i> , 1999 , 47, 473-8	4.7	6
4	In vitro inhibition of Na ⁺ ,K(+)-ATPase activity from rat cerebral cortex by guanidino compounds accumulating in hyperargininemia. <i>Brain Research</i> , 1999 , 838, 78-84	3.7	38
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