Angela T S Wyse

List of Publications by Year
in descending order

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Version: 2024-02-01

356 papers	9,004 citations	57631 44 h-index	114278 63 g-index
360 all docs	360 docs citations	360 times ranked	8417 citing authors

#	Article	IF	Citations
1	Sulforaphane Induces Glioprotection After LPS Challenge. Cellular and Molecular Neurobiology, 2022, 42, 829-846.	1.7	9
2	Lipopolysaccharide Induces Gliotoxicity in Hippocampal Astrocytes from Aged Rats: Insights About the Glioprotective Roles of Resveratrol. Molecular Neurobiology, 2022, 59, 1419-1439.	1.9	8
3	Airway inflammation induces anxiety-like behavior through neuroinflammatory, neurochemical, and neurometabolic changes in an allergic asthma model. Metabolic Brain Disease, 2022, 37, 911-926.	1.4	7
4	Folic acid supplementation during pregnancy alters behavior in male rat offspring: nitrative stress and neuroinflammatory implications. Molecular Neurobiology, 2022, 59, 2150-2170.	1.9	4
5	Evidence of methylphenidate effect on mitochondria, redox homeostasis, and inflammatory aspects: Insights from animal studies. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2022, 116, 110518.	2.5	10
6	Quinolinic Acid Impairs Redox Homeostasis, Bioenergetic, and Cell Signaling in Rat Striatum Slices: Prevention by Coenzyme Q10. Neurotoxicity Research, 2022, 40, 473-484.	1.3	6
7	Rivastigmine Reverses the Decrease in Synapsin and Memory Caused by Homocysteine: Is There Relation to Inflammation?. Molecular Neurobiology, 2022, 59, 4517-4534.	1.9	4
8	Effects of methylphenidate after a long period of discontinuation include changes in exploratory behavior and increases brain activities of Na+,K+-ATPase and acetylcholinesterase. Neurobiology of Learning and Memory, 2022, 192, 107637.	1.0	1
9	Effect of Proline on Cell Death, Cell Cycle, and Oxidative Stress in C6 Glioma Cell Line. Neurotoxicity Research, 2021, 39, 327-334.	1.3	9
10	Insights from Animal Models on the Pathophysiology of Hyperphenylalaninemia: Role of Mitochondrial Dysfunction, Oxidative Stress and Inflammation. Molecular Neurobiology, 2021, 58, 2897-2909.	1.9	15
11	Homocysteine and Gliotoxicity. Neurotoxicity Research, 2021, 39, 966-974.	1.3	8
12	Paternal exposure to excessive methionine altered behavior and neurochemical activities in zebrafish offspring. Amino Acids, 2021, 53, 1153-1167.	1.2	0
13	Hyperhomocysteinemia alters cytokine gene expression, cytochrome c oxidase activity and oxidative stress in striatum and cerebellum of rodents. Life Sciences, 2021, 277, 119386.	2.0	8
14	Mild Hyperhomocysteinemia Causes Anxiety-like Behavior and Brain Hyperactivity in Rodents: Are ATPase and Excitotoxicity by NMDA Receptor Overstimulation Involved in this Effect?. Cellular and Molecular Neurobiology, 2021, , 1.	1.7	1
15	Purinergic signaling in the modulation of redox biology. Redox Biology, 2021, 47, 102137.	3.9	36
16	Effects of vitamin D administration on nociception and spinal cord pro-oxidant and antioxidant markers in a rat model of neuropathic pain. Brazilian Journal of Medical and Biological Research, 2021, 54, e11207.	0.7	7
17	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. Anais Da Academia Brasileira De Ciencias, 2021, 93, e20191002.	0.3	2
18	Evidence That Methylphenidate Treatment Evokes Anxiety-Like Behavior Through Glucose Hypometabolism and Disruption of the Orbitofrontal Cortex Metabolic Networks. Neurotoxicity Research, 2021, 39, 1830-1845.	1.3	1

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19	Autophagy induces eosinophil extracellular traps formation and allergic airway inflammation in a murine asthma model. Journal of Cellular Physiology, 2020, 235, 267-280.	2.0	41
20	Cholinergic antiâ€inflammatory pathway confers airway protection against oxidative damage and attenuates inflammation in an allergic asthma model. Journal of Cellular Physiology, 2020, 235, 1838-1849.	2.0	16
21	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. NeuroToxicology, 2020, 77, 60-70.	1.4	5
22	Chronic mild hyperhomocysteinemia induces anxiety-like symptoms, aversive memory deficits and hippocampus atrophy in adult rats: New insights into physiopathological mechanisms. Brain Research, 2020, 1728, 146592.	1.1	13
23	Changes in Inflammatory Response, Redox Status and Na+, K+-ATPase Activity in Primary Astrocyte Cultures from Female Wistar Rats Subject to Ovariectomy. Neurotoxicity Research, 2020, 37, 445-454.	1.3	5
24	Hypermethioninemia induces memory deficits and morphological changes in hippocampus of young rats: implications on pathogenesis. Amino Acids, 2020, 52, 371-385.	1.2	8
25	P2X7 receptor deletion attenuates oxidative stress and liver damage in sepsis. Purinergic Signalling, 2020, 16, 561-572.	1.1	17
26	Withdrawal Effects Following Methionine Exposure in Adult Zebrafish. Molecular Neurobiology, 2020, 57, 3485-3497.	1.9	10
27	Intrastriatal Quinolinic Acid Administration Impairs Redox Homeostasis and Induces Inflammatory Changes: Prevention by Kynurenic Acid. Neurotoxicity Research, 2020, 38, 50-58.	1.3	14
28	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. International Journal of Developmental Neuroscience, 2020, 80, 354-368.	0.7	4
29	Disruption of Brain Redox Homeostasis, Microglia Activation and Neuronal Damage Induced by Intracerebroventricular Administration of S-Adenosylmethionine to Developing Rats. Molecular Neurobiology, 2019, 56, 2760-2773.	1.9	16
30	Cross-talk between guanidinoacetate neurotoxicity, memory and possible neuroprotective role of creatine. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2019, 1865, 165529.	1.8	10
31	Resveratrol and resveratrol-hydroxypropyl-Î²-cyclodextrin complex recovered the changes of creatine kinase and Na+, K+-ATPase activities found in the spleen from streptozotocin-induced diabetic rats. Anais Da Academia Brasileira De Ciencias, 2019, 91, e20181330.	0.3	8
32	The neuroprotective role of melatonin in a gestational hypermethioninemia model. International Journal of Developmental Neuroscience, 2019, 78, 198-209.	0.7	12
33	Reactive oxygen species are involved in eosinophil extracellular traps release and in airway inflammation in asthma. Journal of Cellular Physiology, 2019, 234, 23633-23646.	2.0	39
34	Creatine as a Neuroprotector: an Actor that Can Play Many Parts. Neurotoxicity Research, 2019, 36, 411-423.	1.3	38
35	Chronic mild Hyperhomocysteinemia impairs energy metabolism, promotes DNA damage and induces a Nrf2 response to oxidative stress in rats brain. Cellular and Molecular Neurobiology, 2019, 39, 687-700.	1.7	25
36	Methylphenidate alters Aktâ€mTOR signaling in rat pheochromocytoma cells. International Journal of Developmental Neuroscience, 2019, 73, 10-18.	0.7	5

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37	Disruption of Purinergic Receptor P2X7 Signaling Increases Susceptibility to Cerebral Toxoplasmosis. American Journal of Pathology, 2019, 189, 730-738.	1.9	13
38	The Role of Oxidative Stress and Bioenergetic Dysfunction in Sulfite Oxidase Deficiency: Insights from Animal Models. Neurotoxicity Research, 2019, 35, 484-494.	1.3	22
39	Methylphenidate disrupts cytoskeletal homeostasis and reduces membrane-associated lipid content in juvenile rat hippocampus. Metabolic Brain Disease, 2018, 33, 693-704.	1.4	8
40	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?. Neurotoxicity Research, 2018, 33, 580-592.	1.3	16
41	Kynurenic Acid Restores Nrf2 Levels and Prevents Quinolinic Acid-Induced Toxicity in Rat Striatal Slices. Molecular Neurobiology, 2018, 55, 8538-8549.	1.9	40
42	Maternal Hypermethioninemia Affects Neurons Number, Neurotrophins Levels, Energy Metabolism, and Na+,K+-ATPase Expression/Content in Brain of Rat Offspring. Molecular Neurobiology, 2018, 55, 980-988.	1.9	12
43	Homocysteine Induces Glial Reactivity in Adult Rat Astrocyte Cultures. Molecular Neurobiology, 2018, 55, 1966-1976.	1.9	26
44	Methionine Administration in Pregnant Rats Causes Memory Deficit in the Offspring and Alters Ultrastructure in Brain Tissue. Neurotoxicity Research, 2018, 33, 239-246.	1.3	10
45	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. Molecular Neurobiology, 2018, 55, 5868-5878.	1.9	9
46	Kynurenic Acid Prevents Cytoskeletal Disorganization Induced by Quinolinic Acid in Mixed Cultures of Rat Striatum. Molecular Neurobiology, 2018, 55, 5111-5124.	1.9	14
47	Experimental neonatal hypoxia ischemia causes long lasting changes of oxidative stress parameters in the hippocampus and the spleen. Journal of Perinatal Medicine, 2018, 46, 433-439.	0.6	9
48	Synergistic Toxicity of the Neurometabolites Quinolinic Acid and Homocysteine in Cortical Neurons and Astrocytes: Implications in Alzheimerâ€™s Disease. Neurotoxicity Research, 2018, 34, 147-163.	1.3	16
49	Vitamin D partially reverses the increase in pâ€NFâ€ÎºB/p65 immunocontent and interleukinâ€6 levels, but not in acetylcholinesterase activity in hippocampus of adult female ovariectomized rats. International Journal of Developmental Neuroscience, 2018, 71, 122-129.	0.7	7
50	Fructose-1,6-bisphosphate preserves glucose metabolism integrity and reduces reactive oxygen species in the brain during experimental sepsis. Brain Research, 2018, 1698, 54-61.	1.1	13
51	Evidence that Thiosulfate Inhibits Creatine Kinase Activity in Rat Striatum via Thiol Group Oxidation. Neurotoxicity Research, 2018, 34, 693-705.	1.3	18
52	Vitamin D Supplementation Reverses DNA Damage and Telomeres Shortening Caused by Ovariectomy in Hippocampus of Wistar Rats. Neurotoxicity Research, 2018, 34, 538-546.	1.3	5
53	Methylphenidate Causes Behavioral Impairments and Neuron and Astrocyte Loss in the Hippocampus of Juvenile Rats. Molecular Neurobiology, 2017, 54, 4201-4216.	1.9	21
54	D-Galactose Causes Motor Coordination Impairment, and Histological and Biochemical Changes in the Cerebellum of Rats. Molecular Neurobiology, 2017, 54, 4127-4137.	1.9	10

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55	Hypoxanthine Intrastriatal Administration Alters Neuroinflammatory Profile and Redox Status in Striatum of Infant and Young Adult Rats. Molecular Neurobiology, 2017, 54, 2790-2800.	1.9	13
56	Evaluation of Oxidative Stress Parameters and Energy Metabolism in Cerebral Cortex of Rats Subjected to Sarcosine Administration. Molecular Neurobiology, 2017, 54, 4496-4506.	1.9	5
57	1,25-Dihydroxyvitamin D3 prevents deleterious effects of homocysteine on mitochondrial function and redox status in heart slices. Nutrition Research, 2017, 38, 52-63.	1.3	19
58	Disruption of Energy Transfer and Redox Status by Sulfite in Hippocampus, Striatum, and Cerebellum of Developing Rats. Neurotoxicity Research, 2017, 32, 264-275.	1.3	11
59	Hypoxanthine Induces Neuroenergetic Impairment and Cell Death in Striatum of Young Adult Wistar Rats. Molecular Neurobiology, 2017, 55, 4098-4106.	1.9	20
60	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. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2017, 1863, 2135-2148.	1.8	42
61	Argininic acid alters markers of cellular oxidative damage in vitro : Protective role of antioxidants. Experimental and Toxicologic Pathology, 2017, 69, 605-611.	2.1	6
62	Effects of previous physical exercise to chronic stress on longâ€term aversive memory and oxidative stress in amygdala and hippocampus of rats. International Journal of Developmental Neuroscience, 2017, 56, 58-67.	0.7	20
63	Treadmill running prevents age-related memory deficit and alters neurotrophic factors and oxidative damage in the hippocampus of Wistar rats. Behavioural Brain Research, 2017, 334, 78-85.	1.2	40
64	Vitamin D3 Reverses the Hippocampal Cytoskeleton Imbalance But Not Memory Deficits Caused by Ovariectomy in Adult Wistar Rats. NeuroMolecular Medicine, 2017, 19, 345-356.	1.8	9
65	Acute administration of methionine and/or methionine sulfoxide impairs redox status and induces apoptosis in rat cerebral cortex. Metabolic Brain Disease, 2017, 32, 1693-1703.	1.4	20
66	Severe Hyperhomocysteinemia Decreases Creatine Kinase Activity and Causes Memory Impairment: Neuroprotective Role of Creatine. Neurotoxicity Research, 2017, 32, 585-593.	1.3	9
67	Methylphenidate Decreases ATP Levels and Impairs Glutamate Uptake and Na+,K+-ATPase Activity in Juvenile Rat Hippocampus. Molecular Neurobiology, 2017, 54, 7796-7807.	1.9	19
68	Neurotoxicity of Methylmercury in Isolated Astrocytes and Neurons: the Cytoskeleton as a Main Target. Molecular Neurobiology, 2017, 54, 5752-5767.	1.9	40
69	Galactose alters markers of oxidative stress and acetylcholinesterase activity in the cerebrum of rats: protective role of antioxidants. Metabolic Brain Disease, 2017, 32, 359-368.	1.4	8
70	P2X7 Receptor Signaling Contributes to Sepsis-Associated Brain Dysfunction. Molecular Neurobiology, 2017, 54, 6459-6470.	1.9	41
71	Guanidinoacetate Methyltransferase Deficiency. FIRE Forum for International Research in Education, 2016, 4, 232640981666937.	0.7	7
72	Antioxidant effect of simvastatin throught oxidative imbalance caused by lisdexamfetamine dimesylate. Anais Da Academia Brasileira De Ciencias, 2016, 88, 335-348.	0.3	8

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73	Protective effect of green tea extract against proline-induced oxidative damage in the rat kidney. Biomedicine and Pharmacotherapy, 2016, 83, 1422-1427.	2.5	28
74	Uliginosin B, a natural phloroglucinol derivative with antidepressant-like activity, increases Na+,K+-ATPase activity in mice cerebral cortex. Revista Brasileira De Farmacognosia, 2016, 26, 611-618.	0.6	8
75	Higher susceptibility of cerebral cortex and striatum to sulfite neurotoxicity in sulfite oxidase-deficient rats. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2016, 1862, 2063-2074.	1.8	12
76	Quinolinic acid neurotoxicity: Differential roles of astrocytes and microglia via FGF-2-mediated signaling in redox-linked cytoskeletal changes. Biochimica Et Biophysica Acta - Molecular Cell Research, 2016, 1863, 3001-3014.	1.9	23
77	Mechanistic basis of hypermethioninemia. Amino Acids, 2016, 48, 2479-2489.	1.2	31
78	Methionine Exposure Alters Glutamate Uptake and Adenine Nucleotide Hydrolysis in the Zebrafish Brain. Molecular Neurobiology, 2016, 53, 200-209.	1.9	10
79	Crosstalk Among Disrupted Glutamatergic and Cholinergic Homeostasis and Inflammatory Response in Mechanisms Elicited by Proline in Astrocytes. Molecular Neurobiology, 2016, 53, 1065-1079.	1.9	9
80	Severe Hyperhomocysteinemia Decreases Respiratory Enzyme and Na+-K+ ATPase Activities, and Leads to Mitochondrial Alterations in Rat Amygdala. Neurotoxicity Research, 2016, 29, 408-418.	1.3	18
81	Characterization of Amino Acid Profile and Enzymatic Activity in Adult Rat Astrocyte Cultures. Neurochemical Research, 2016, 41, 1578-1586.	1.6	6
82	1,25â€Dihydroxyvitamin D3 exerts neuroprotective effects in an ex vivo model of mild hyperhomocysteinemia. International Journal of Developmental Neuroscience, 2016, 48, 71-79.	0.7	23
83	Intracerebroventricular <scp>d</scp>â€galactose administration impairs memory and alters activity and expression of acetylcholinesterase in the rat. International Journal of Developmental Neuroscience, 2016, 50, 1-6.	0.7	7
84	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. International Journal of Developmental Neuroscience, 2016, 50, 16-25.	0.7	41
85	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. Molecular Neurobiology, 2016, 53, 2384-2396.	1.9	17
86	Cerebral Oedema, Bloodâ€"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. Molecular Neurobiology, 2016, 53, 3714-3723.	1.9	15
87	Gestational hypermethioninaemia alters oxidative/nitrative status in skeletal muscle and biomarkers of muscular injury and inflammation in serum of rat offspring. International Journal of Experimental Pathology, 2015, 96, 277-284.	0.6	6
88	Ammonia impairs glutamatergic communication in astroglial cells: protective role of resveratrol. Toxicology in Vitro, 2015, 29, 2022-2029.	1.1	23
89	In vitro evidence that sulfite impairs glutamatergic neurotransmission and inhibits glutathione metabolismâ€related enzymes in rat cerebral cortex. International Journal of Developmental Neuroscience, 2015, 42, 68-75.	0.7	16
90	Differential in vitro effects of homoarginine on oxidative stress in plasma, erythrocytes, kidney and liver of rats in the absence and in the presence Î±-tocopherol, ascorbic acid or L-NAME. Amino Acids, 2015, 47, 1931-1939.	1.2	10

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91	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. Cellular and Molecular Neurobiology, 2015, 35, 899-911.	1.7	18
92	Experimental Lung Injury Promotes Changes in Oxidative/Nitrative Status and Inflammatory Markers in Cerebral Cortex of Rats. Molecular Neurobiology, 2015, 52, 1590-1600.	1.9	4
93	Relationship between pathological findings and enzymes of the energy metabolism in liver of rats infected by Trypanosoma evansi. Parasitology International, 2015, 64, 547-552.	0.6	8
94	U18666A Treatment Results in Cholesterol Accumulation, Reduced Na⁺, K⁺â€ATPase Activity, and Increased Oxidative Stress in Rat Cortical Astrocytes. Lipids, 2015, 50, 937-944.	0.7	5
95	Evaluation of Na+, K+-ATPase activity in the brain of young rats after acute administration of fenproporex. Revista Brasileira De Psiquiatria, 2014, 36, 138-142.	0.9	8
96	Study of antidepressant-like activity of an enriched phloroglucinol fraction obtained fromHypericum caprifoliatum. Pharmaceutical Biology, 2014, 52, 105-110.	1.3	8
97	Neonatal environmental intervention alters the vulnerability to the metabolic effects of chronic palatable diet exposure in adulthood. Nutritional Neuroscience, 2014, 17, 127-137.	1.5	3
98	Coumestrol treatment prevents Na⁺, K⁺-ATPase inhibition and affords histological neuroprotection to male rats receiving cerebral global ischemia. Neurological Research, 2014, 36, 198-206.	0.6	22
99	Development of an animal model for gestational hypermethioninemia in rat and its effect on brain Na+,K+-ATPase/Mg2+-ATPase activity and oxidative status of the offspring. Metabolic Brain Disease, 2014, 29, 153-160.	1.4	23
100	Sulfite disrupts brain mitochondrial energy homeostasis and induces mitochondrial permeability transition pore opening via thiol group modification. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2014, 1842, 1413-1422.	1.8	31
101	Hypoxanthine induces oxidative stress in kidney of rats: protective effect of vitamins E plus C and allopurinol. Cell Biochemistry and Function, 2014, 32, 387-394.	1.4	21
102	Creatine prevents the imbalance of redox homeostasis caused by homocysteine in skeletal muscle of rats. Gene, 2014, 545, 72-79.	1.0	17
103	Oxidative stress mediated by NMDA, AMPA/KA channels in acute hippocampal slices: Neuroprotective effect of resveratrol. Toxicology in Vitro, 2014, 28, 544-551.	1.1	66
104	Effect of Nâ€acetylarginine, a metabolite accumulated in hyperargininemia, on parameters of oxidative stress in rats: protective role of vitamins and Lâ€NAME. Cell Biochemistry and Function, 2014, 32, 511-519.	1.4	11
105	Experimental lung injury promotes alterations in energy metabolism and respiratory mechanics in the lungs of rats: prevention by exercise. Molecular and Cellular Biochemistry, 2014, 389, 229-238.	1.4	10
106	Effect of physical exercise on changes in activities of creatine kinase, cytochrome c oxidase and ATP levels caused by ovariectomy. Metabolic Brain Disease, 2014, 29, 825-835.	1.4	13
107	Contextual Fear Conditioning in Maternal Separated Rats: The Amygdala as a Site for Alterations. Neurochemical Research, 2014, 39, 384-393.	1.6	25
108	Hyperprolinemia induces DNA, protein and lipid damage in blood of rats: Antioxidant protection. International Journal of Biochemistry and Cell Biology, 2014, 54, 20-25.	1.2	13

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109	Mild Hyperhomocysteinemia Increases Brain Acetylcholinesterase and Proinflammatory Cytokine Levels in Different Tissues. Molecular Neurobiology, 2014, 50, 589-596.	1.9	45
110	Isolation during the prepubertal period associated with chronic access to palatable diets: Effects on plasma lipid profile and liver oxidative stress. Physiology and Behavior, 2014, 124, 23-32.	1.0	26
111	Homocysteine induces energy imbalance in rat skeletal muscle: Is creatine a protector?. Cell Biochemistry and Function, 2013, 31, 575-584.	1.4	31
112	Mild hyperhomocysteinemia reduces the activity and immunocontent, but does not alter the gene expression, of catalytic Î± subunits of cerebral Na+,K+-ATPase. Molecular and Cellular Biochemistry, 2013, 378, 91-97.	1.4	11
113	Effect of hypoxanthine, antioxidants and allopurinol on cholinesterase activities in rats. Journal of Neural Transmission, 2013, 120, 1359-1367.	1.4	14
114	Proline-induced changes in acetylcholinesterase activity and gene expression in zebrafish brain: Reversal by antipsychotic drugs. Neuroscience, 2013, 250, 121-128.	1.1	6
115	Cytoskeleton of cortical astrocytes as a target to proline through oxidative stress mechanisms. Experimental Cell Research, 2013, 319, 89-104.	1.2	16
116	Are the consequences of neonatal hypoxiaâ€“ischemia dependent on animals' sex and brain lateralization?. Brain Research, 2013, 1507, 105-114.	1.1	38
117	In Vitro Stimulation of Oxidative Stress By Hypoxanthine in Blood of Rats: Prevention by Vitamins E Plus C and Allopurinol. Nucleosides, Nucleotides and Nucleic Acids, 2013, 32, 42-57.	0.4	9
118	The effect of exercise on the oxidative stress induced by experimental lung injury. Life Sciences, 2013, 92, 218-227.	2.0	19
119	Evidences that maternal swimming exercise improves antioxidant defenses and induces mitochondrial biogenesis in the brain of young Wistar rats. Neuroscience, 2013, 246, 28-39.	1.1	68
120	Expression of matrix metalloproteinases in patients with bipolar disorder. Revista Brasileira De Psiquiatria, 2013, 35, 375-379.	0.9	5
121	Homocysteine and other markers of cardiovascular risk during a manic episode in patients with bipolar disorder. Revista Brasileira De Psiquiatria, 2013, 35, 157-160.	0.9	17
122	Long-term proline exposure alters nucleotide catabolism and ectonucleotidase gene expression in zebrafish brain. Metabolic Brain Disease, 2012, 27, 541-549.	1.4	4
123	Methylphenidate induces lipid and protein damage in prefrontal cortex, but not in cerebellum, striatum and hippocampus of juvenile rats. Metabolic Brain Disease, 2012, 27, 605-612.	1.4	39
124	Behavioral changes induced by long-term proline exposure are reversed by antipsychotics in zebrafish. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2012, 36, 258-263.	2.5	38
125	Protective effect of antioxidants on blood oxidative stress caused by arginine. Fundamental and Clinical Pharmacology, 2012, 26, 250-258.	1.0	7
126	Neonatal hypoxiaâ€“ischemia induces sex-related changes in rat brain mitochondria. Mitochondrion, 2012, 12, 271-279.	1.6	48

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127	Physical exercise reverses glutamate uptake and oxidative stress effects of chronic homocysteine administration in the rat. International Journal of Developmental Neuroscience, 2012, 30, 69-74.	0.7	26
128	Evidence that AKT and GSKâ€3Î² pathway are involved in acute hyperhomocysteinemia. International Journal of Developmental Neuroscience, 2012, 30, 369-374.	0.7	9
129	Mild hyperhomocysteinemia alters extracellular adenine metabolism in rat brain. Neuroscience, 2012, 223, 28-34.	1.1	6
130	The Decrease on Na+, K+-ATPase Activity in the Cortex, but not in Hippocampus, is Reverted by Antioxidants in an Animal Model of Sepsis. Molecular Neurobiology, 2012, 46, 467-474.	1.9	13
131	Differential Macrophage Activation Alters the Expression Profile of NTPDase and Ecto-5â€²-Nucleotidase. PLoS ONE, 2012, 7, e31205.	1.1	149
132	Isolation Stress During the Prepubertal Period in Rats Induces Long-Lasting Neurochemical Changes in the Prefrontal Cortex. Neurochemical Research, 2012, 37, 1063-1073.	1.6	20
133	Long-Term Methionine Exposure Induces Memory Impairment on Inhibitory Avoidance Task and Alters Acetylcholinesterase Activity and Expression in Zebrafish (Danio rerio). Neurochemical Research, 2012, 37, 1545-1553.	1.6	29
134	Folic Acid Prevents Behavioral Impairment and Na+,K+-ATPase Inhibition Caused by Neonatal Hypoxiaâ€“Ischemia. Neurochemical Research, 2012, 37, 1624-1630.	1.6	24
135	Chronic Hyperhomocysteinemia Increases Inflammatory Markers in Hippocampus and Serum of Rats. Neurochemical Research, 2012, 37, 1660-1669.	1.6	41
136	The Influence of Early Life Interventions on Olfactory Memory Related to Palatable Food, and on Oxidative Stress Parameters and Na+/K+-ATPase Activity in the Hippocampus and Olfactory Bulb of Female Adult Rats. Neurochemical Research, 2012, 37, 1801-1810.	1.6	6
137	Proline Alters Antioxidant Enzyme Defenses and Lipoperoxidation in the Erythrocytes and Plasma of Rats: In Vitro and In Vivo Studies. Biological Trace Element Research, 2012, 147, 172-179.	1.9	8
138	MK-801 alters Na+, K+-ATPase activity and oxidative status in zebrafish brain: reversal by antipsychotic drugs. Journal of Neural Transmission, 2012, 119, 661-667.	1.4	19
139	Increased Na⁺,K⁺-ATPase activity in the rat brain after meningitis induction byStreptococcus pneumoniae. Acta Neuropsychiatrica, 2012, 24, 301-305.	1.0	0
140	Experimental hyperprolinemia induces mild oxidative stress, metabolic changes, and tissue adaptation in rat liver. Journal of Cellular Biochemistry, 2012, 113, 174-183.	1.2	17
141	Acute hyperhomocysteinemia alters the coagulation system and oxidative status in the blood of rats. Molecular and Cellular Biochemistry, 2012, 360, 205-214.	1.4	11
142	Chronic methylphenidate administration alters antioxidant defenses and butyrylcholinesterase activity in blood of juvenile rats. Molecular and Cellular Biochemistry, 2012, 361, 281-288.	1.4	19
143	Chronic mild hyperhomocysteinemia alters ectonucleotidase activities and gene expression of ecto-5â€²-nucleotidase/CD73 in rat lymphocytes. Molecular and Cellular Biochemistry, 2012, 362, 187-194.	1.4	6
144	Maternal Depression Model: Long-Lasting Effects on the Mother Following Separation from Pups. Neurochemical Research, 2012, 37, 126-133.	1.6	14

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145	Evidence that Hyperprolinemia Alters Glutamatergic Homeostasis in Rat Brain: Neuroprotector Effect of Guanosine. Neurochemical Research, 2012, 37, 205-213.	1.6	17
146	Early biochemical effects after unilateral hypoxiaâ€“ischemia in the immature rat brain. International Journal of Developmental Neuroscience, 2011, 29, 115-120.	0.7	37
147	Acute and chronic hypermethioninemia alter Na + ,K + â€ATPase activity in rat hippocampus: prevention by antioxidants. International Journal of Developmental Neuroscience, 2011, 29, 483-488.	0.7	17
148	Development of an animal model for chronic mild hyperhomocysteinemia and its response to oxidative damage. International Journal of Developmental Neuroscience, 2011, 29, 693-699.	0.7	37
149	Experimental evidence of oxidative stress in plasma of homocystinuric patients: A possible role for homocysteine. Molecular Genetics and Metabolism, 2011, 104, 112-117.	0.5	38
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