

Dutra-Filho, Cs

List of Publications by Year in descending order

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173
papers

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76196

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docs citations

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times ranked

4320
citing authors

#	ARTICLE	IF	CITATIONS
1	The role of oxidative damage in the neuropathology of organic acidurias: Insights from animal studies. <i>Journal of Inherited Metabolic Disease</i> , 2004, 27, 427-448.	1.7	157
2	Inhibition of the mitochondrial respiratory chain complex activities in rat cerebral cortex by methylmalonic acid. <i>Neurochemistry International</i> , 2002, 40, 593-601.	1.9	103
3	D-2-hydroxyglutaric acid induces oxidative stress in cerebral cortex of young rats. <i>European Journal of Neuroscience</i> , 2003, 17, 2017-2022.	1.2	95
4	Oxidative stress in patients with phenylketonuria. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2005, 1740, 68-73.	1.8	88
5	Quinolinic acid inhibits glutamate uptake into synaptic vesicles from rat brain. <i>NeuroReport</i> , 2000, 11, 249-254.	0.6	86
6	In vitro effect of homocysteine on some parameters of oxidative stress in rat hippocampus. <i>Metabolic Brain Disease</i> , 2003, 18, 147-154.	1.4	84
7	Mitochondrial energy metabolism is markedly impaired by d-2-hydroxyglutaric acid in rat tissues. <i>Molecular Genetics and Metabolism</i> , 2005, 86, 188-199.	0.5	84
8	Propionic and L-methylmalonic acids induce oxidative stress in brain of young rats. <i>NeuroReport</i> , 2000, 11, 541-544.	0.6	82
9	Glutaric acid induces oxidative stress in brain of young rats. <i>Brain Research</i> , 2003, 964, 153-158.	1.1	79
10	Inhibition of brain energy metabolism by the $\hat{\pm}$ -keto acids accumulating in maple syrup urine disease. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2003, 1639, 232-238.	1.8	79
11	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.	1.8	77
12	In vitro evidence for an antioxidant role of 3-hydroxykynurenine and 3-hydroxyanthranilic acid in the brain. <i>Neurochemistry International</i> , 2007, 50, 83-94.	1.9	77
13	Evidence that oxidative stress is increased in plasma from patients with maple syrup urine disease. <i>Metabolic Brain Disease</i> , 2006, 21, 279-286.	1.4	75
14	Inhibition of succinate dehydrogenase and γ -hydroxybutyrate dehydrogenase activities by methylmalonate in brain and liver of developing rats. <i>Journal of Inherited Metabolic Disease</i> , 1993, 16, 147-153.	1.7	73
15	Induction of oxidative stress in rat brain by the metabolites accumulating in maple syrup urine disease. <i>International Journal of Developmental Neuroscience</i> , 2003, 21, 327-332.	0.7	73
16	$\hat{\pm}$ -Keto Acids Accumulating in Maple Syrup Urine Disease Stimulate Lipid Peroxidation and Reduce Antioxidant Defences in Cerebral Cortex From Young Rats. <i>Metabolic Brain Disease</i> , 2005, 20, 155-167.	1.4	69
17	Stimulation of lipid peroxidation in vitro in rat brain by the metabolites accumulating in maple syrup urine disease. <i>Metabolic Brain Disease</i> , 2002, 17, 47-54.	1.4	63
18	Homocysteine induces oxidative stress, inflammatory infiltration, fibrosis and reduces glycogen/glycoprotein content in liver of rats. <i>International Journal of Developmental Neuroscience</i> , 2009, 27, 337-344.	0.7	63

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19	Inhibition of glutamate uptake into synaptic vesicles of rat brain by the metabolites accumulating in maple syrup urine disease. <i>Journal of the Neurological Sciences</i> , 2000, 181, 44-49.	0.3	60
20	Reduction of large neutral amino acid levels in plasma and brain of hyperleucinemic rats. <i>Neurochemistry International</i> , 2001, 38, 529-537.	1.9	60
21	Ascorbic acid prevents cognitive deficits caused by chronic administration of propionic acid to rats in the water maze. <i>Pharmacology Biochemistry and Behavior</i> , 2002, 73, 623-629.	1.3	60
22	Investigation of oxidative stress parameters in treated phenylketonuric patients. <i>Metabolic Brain Disease</i> , 2006, 21, 287-296.	1.4	60
23	Experimental hyperphenylalaninemia provokes oxidative stress in rat brain. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2002, 1586, 344-352.	1.8	58
24	Experimental Evidence that Phenylalanine Provokes Oxidative Stress in Hippocampus and Cerebral Cortex of Developing Rats. <i>Cellular and Molecular Neurobiology</i> , 2010, 30, 317-326.	1.7	58
25	In vivo neuroprotective effect of L-carnitine against oxidative stress in maple syrup urine disease. <i>Metabolic Brain Disease</i> , 2011, 26, 21-28.	1.4	57
26	Inhibition of Brain Energy Metabolism by the Branched-chain Amino Acids Accumulating in Maple Syrup Urine Disease. <i>Neurochemical Research</i> , 2008, 33, 114-124.	1.6	56
27	Induction of oxidative stress by L-2-hydroxyglutaric acid in rat brain. <i>Journal of Neuroscience Research</i> , 2003, 74, 103-110.	1.3	55
28	Evidence that quinolinic acid severely impairs energy metabolism through activation of NMDA receptors in striatum from developing rats. <i>Journal of Neurochemistry</i> , 2006, 99, 1531-1542.	2.1	55
29	Proline induces oxidative stress in cerebral cortex of rats. <i>International Journal of Developmental Neuroscience</i> , 2003, 21, 105-110.	0.7	53
30	Evaluation of the mechanisms involved in leucine-induced oxidative damage in cerebral cortex of young rats. <i>Free Radical Research</i> , 2005, 39, 71-79.	1.5	52
31	Induction of Oxidative Stress by Chronic and Acute Glutaric Acid Administration to Rats. <i>Cellular and Molecular Neurobiology</i> , 2007, 27, 423-438.	1.7	51
32	GM1 ganglioside attenuates convulsions and thiobarbituric acid reactive substances production induced by the intrastriatal injection of methylmalonic acid. <i>International Journal of Biochemistry and Cell Biology</i> , 2003, 35, 465-473.	1.2	49
33	Promotion of oxidative stress by 3-hydroxyglutaric acid in rat striatum. <i>Journal of Inherited Metabolic Disease</i> , 2005, 28, 57-67.	1.7	49
34	Guanidinoacetate Decreases Antioxidant Defenses and Total Protein Sulfhydryl Content in Striatum of Rats. <i>Neurochemical Research</i> , 2008, 33, 1804-1810.	1.6	48
35	Benzophenones from <i>Hypericum carinatum</i> . <i>Journal of Natural Products</i> , 2005, 68, 784-786.	1.5	47
36	Differential inhibitory effects of methylmalonic acid on respiratory chain complex activities in rat tissues. <i>International Journal of Developmental Neuroscience</i> , 2006, 24, 45-52.	0.7	47

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37	Quinolinic acid reduces the antioxidant defenses in cerebral cortex of young rats. <i>International Journal of Developmental Neuroscience</i> , 2005, 23, 695-701.	0.7	45
38	Inhibition of creatine kinase activity from rat cerebral cortex by α -2-hydroxyglutaric acid in vitro. <i>Neurochemistry International</i> , 2004, 44, 45-52.	1.9	42
39	β -Hydroxybutyric acid induces oxidative stress in cerebral cortex of young rats. <i>Neurochemistry International</i> , 2007, 50, 564-570.	1.9	42
40	Lipoic acid prevents oxidative stress in vitro and in vivo by an acute hyperphenylalaninemia chemically-induced in rat brain. <i>Journal of the Neurological Sciences</i> , 2010, 292, 89-95.	0.3	42
41	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, 515-520.	1.6	41
42	Antioxidant Effect of Cysteamine in Brain Cortex of Young Rats. <i>Neurochemical Research</i> , 2008, 33, 737-744.	1.6	41
43	Protein and lipid damage in maple syrup urine disease patients: L-carnitine effect. <i>International Journal of Developmental Neuroscience</i> , 2013, 31, 21-24.	0.7	40
44	Oxidative stress in plasma from maple syrup urine disease patients during treatment. <i>Metabolic Brain Disease</i> , 2008, 23, 71-80.	1.4	39
45	Inhibition of the mitochondrial respiratory chain by phenylalanine in rat cerebral cortex. <i>Neurochemical Research</i> , 2002, 27, 353-357.	1.6	37
46	Evidence for a synergistic action of glutaric and α -hydroxyglutaric acids disturbing rat brain energy metabolism. <i>International Journal of Developmental Neuroscience</i> , 2007, 25, 391-398.	0.7	36
47	Creatine kinase activity from rat brain is inhibited by branched-chain amino acids in vitro. <i>Neurochemical Research</i> , 2003, 28, 675-679.	1.6	35
48	Inhibition of energy metabolism in cerebral cortex of young rats by the medium-chain fatty acids accumulating in MCAD deficiency. <i>Brain Research</i> , 2004, 1030, 141-151.	1.1	35
49	L-carnitine Prevents Oxidative Stress in the Brains of Rats Subjected to a Chemically Induced Chronic Model of MSUD. <i>Molecular Neurobiology</i> , 2016, 53, 6007-6017.	1.9	35
50	Characterization of the inhibition of pyruvate kinase caused by phenylalanine and phenylpyruvate in rat brain cortex. <i>Brain Research</i> , 2003, 968, 199-205.	1.1	34
51	5-Oxoproline Reduces Non-Enzymatic Antioxidant Defenses in vitro in Rat Brain. <i>Metabolic Brain Disease</i> , 2007, 22, 51-65.	1.4	34
52	In vivo and in vitro effects of proline on some parameters of oxidative stress in rat brain. <i>Brain Research</i> , 2003, 991, 180-186.	1.1	33
53	Tyrosine promotes oxidative stress in cerebral cortex of young rats. <i>International Journal of Developmental Neuroscience</i> , 2008, 26, 551-559.	0.7	32
54	Medium-chain fatty acids accumulating in MCAD deficiency elicit lipid and protein oxidative damage and decrease non-enzymatic antioxidant defenses in rat brain. <i>Neurochemistry International</i> , 2009, 54, 519-525.	1.9	32

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55	Acute administration of 5-oxoproline induces oxidative damage to lipids and proteins and impairs antioxidant defenses in cerebral cortex and cerebellum of young rats. <i>Metabolic Brain Disease</i> , 2010, 25, 145-154.	1.4	31
56	Promotion of oxidative stress by l-tryptophan in cerebral cortex of rats. <i>Neurochemistry International</i> , 2006, 49, 87-93.	1.9	30
57	Tyrosine administration decreases glutathione and stimulates lipid and protein oxidation in rat cerebral cortex. <i>Metabolic Brain Disease</i> , 2009, 24, 415-425.	1.4	30
58	Inhibition of energy production in vitro by glutaric acid in cerebral cortex of young rats. <i>Metabolic Brain Disease</i> , 2000, 15, 123-131.	1.4	29
59	A chemically-induced acute model of maple syrup urine disease in rats for neurochemical studies. <i>Journal of Neuroscience Methods</i> , 2006, 155, 224-230.	1.3	29
60	Kynurenines Impair Energy Metabolism in Rat Cerebral Cortex. <i>Cellular and Molecular Neurobiology</i> , 2007, 27, 147-160.	1.7	29
61	Evidence that 3-hydroxy-methylglutaric acid promotes lipid and protein oxidative damage and reduces the nonenzymatic antioxidant defenses in rat cerebral cortex. <i>Journal of Neuroscience Research</i> , 2008, 86, 683-693.	1.3	29
62	Effects of 1,4-butanediol administration on oxidative stress in rat brain: Study of the neurotoxicity of β -hydroxybutyric acid in vivo. <i>Metabolic Brain Disease</i> , 2009, 24, 271-282.	1.4	29
63	Investigation of inflammatory profile in MSUD patients: benefit of L-carnitine supplementation. <i>Metabolic Brain Disease</i> , 2015, 30, 1167-1174.	1.4	29
64	L-Carnitine supplementation decreases DNA damage in treated MSUD patients. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2015, 775, 43-47.	0.4	29
65	Phenylalanine induces oxidative stress and decreases the viability of rat astrocytes: possible relevance for the pathophysiology of neurodegeneration in phenylketonuria. <i>Metabolic Brain Disease</i> , 2016, 31, 529-537.	1.4	29
66	In vitro stimulation of oxidative stress in cerebral cortex of rats by the guanidino compounds accumulating in hyperargininemia. <i>Brain Research</i> , 2001, 923, 50-57.	1.1	28
67	Ascorbic acid prevents water maze behavioral deficits caused by early postnatal methylmalonic acid administration in the rat. <i>Brain Research</i> , 2003, 976, 234-242.	1.1	28
68	Regular exercise prevents oxidative stress in the brain of hyperphenylalaninemic rats. <i>Metabolic Brain Disease</i> , 2011, 26, 291-297.	1.4	28
69	Urinary biomarkers of oxidative damage in Maple syrup urine disease: The L-carnitine role. <i>International Journal of Developmental Neuroscience</i> , 2015, 42, 10-14.	0.7	27
70	Effects of methylmalonate and propionate on uptake of glucose and ketone bodies in vitro by brain of developing rats. <i>Biochemical Medicine and Metabolic Biology</i> , 1991, 45, 56-64.	0.7	26
71	Hyperphenylalaninemia reduces creatine kinase activity in the cerebral cortex of rats. <i>International Journal of Developmental Neuroscience</i> , 2003, 21, 111-116.	0.7	26
72	Amino acids levels and lipid peroxidation in maple syrup urine disease patients. <i>Clinical Biochemistry</i> , 2009, 42, 462-466.	0.8	26

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73	Pyruvate and creatine prevent oxidative stress and behavioral alterations caused by phenylalanine administration into hippocampus of rats. <i>Metabolic Brain Disease</i> , 2012, 27, 79-89.	1.4	26
74	Ammonia potentiates methylmalonic acid-induced convulsions and TBARS production. <i>Experimental Neurology</i> , 2003, 182, 455-460.	2.0	25
75	Glutaric acid moderately compromises energy metabolism in rat brain. <i>International Journal of Developmental Neuroscience</i> , 2005, 23, 687-693.	0.7	25
76	Phenylpyruvic Acid Decreases Glucose-6-Phosphate Dehydrogenase Activity in Rat Brain. <i>Cellular and Molecular Neurobiology</i> , 2012, 32, 1113-1118.	1.7	25
77	Sulfite increases lipoperoxidation and decreases the activity of catalase in brain of rats. <i>Metabolic Brain Disease</i> , 2008, 23, 123-132.	1.4	24
78	Glycine Provokes Lipid Oxidative Damage and Reduces the Antioxidant Defenses in Brain Cortex of Young Rats. <i>Cellular and Molecular Neurobiology</i> , 2009, 29, 253-261.	1.7	24
79	Hypermethioninemia provokes oxidative damage and histological changes in liver of rats. <i>Biochimie</i> , 2009, 91, 961-968.	1.3	24
80	Chronic hyperhomocysteinemia induces oxidative damage in the rat lung. <i>Molecular and Cellular Biochemistry</i> , 2011, 358, 153-160.	1.4	24
81	Pipecolic acid induces oxidative stress in vitro in cerebral cortex of young rats and the protective role of lipoic acid. <i>Metabolic Brain Disease</i> , 2014, 29, 175-183.	1.4	24
82	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.	1.1	23
83	Alanine prevents the inhibition of pyruvate kinase activity caused by tryptophan in cerebral cortex of rats. <i>Metabolic Brain Disease</i> , 2003, 18, 129-137.	1.4	23
84	Inhibition of the Electron Transport Chain and Creatine Kinase Activity by Ethylmalonic Acid in Human Skeletal Muscle. <i>Metabolic Brain Disease</i> , 2006, 21, 11-19.	1.4	23
85	Redox imbalance influence in the myocardial Akt activation in aged rats treated with DHEA. <i>Experimental Gerontology</i> , 2010, 45, 957-963.	1.2	23
86	Tyrosine impairs enzymes of energy metabolism in cerebral cortex of rats. <i>Molecular and Cellular Biochemistry</i> , 2012, 364, 253-261.	1.4	23
87	Effect of leucine administration on creatine kinase activity in rat brain. <i>Metabolic Brain Disease</i> , 2003, 18, 17-25.	1.4	22
88	N- α -Acetylaspartic acid promotes oxidative stress in cerebral cortex of rats. <i>International Journal of Developmental Neuroscience</i> , 2007, 25, 317-324.	0.7	22
89	Erythrocyte glutathione peroxidase activity and plasma selenium concentration are reduced in maple syrup urine disease patients during treatment. <i>International Journal of Developmental Neuroscience</i> , 2007, 25, 335-338.	0.7	22
90	Induction of oxidative stress by the metabolites accumulating in isovaleric acidemia in brain cortex of young rats. <i>Free Radical Research</i> , 2008, 42, 707-715.	1.5	22

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91	Administration of Histidine to Female Rats Induces Changes in Oxidative Status in Cortex and Hippocampus of the Offspring. <i>Neurochemical Research</i> , 2012, 37, 1031-1036.	1.6	22
92	L-pyroglutamic acid inhibits energy production and lipid synthesis in cerebral cortex of young rats in vitro. <i>Neurochemical Research</i> , 2001, 26, 1277-1283.	1.6	21
93	Monosialoganglioside Increases Catalase Activity in Cerebral Cortex of Rats. <i>Free Radical Research</i> , 2004, 38, 495-500.	1.5	21
94	Age and Brain Structural Related Effects of Glutaric and 3-Hydroxyglutaric Acids on Glutamate Binding to Plasma Membranes During Rat Brain Development. <i>Cellular and Molecular Neurobiology</i> , 2007, 27, 805-818.	1.7	21
95	Tryptophan administration induces oxidative stress in brain cortex of rats. <i>Metabolic Brain Disease</i> , 2008, 23, 221-233.	1.4	21
96	Role of Catalase and Superoxide Dismutase Activities on Oxidative Stress in the Brain of a Phenylketonuria Animal Model and the Effect of Lipoic Acid. <i>Cellular and Molecular Neurobiology</i> , 2013, 33, 253-260.	1.7	21
97	Inhibition of Glutamate Uptake into Synaptic Vesicles from Rat Brain by 3-Nitropropionic Acid in Vitro. <i>Experimental Neurology</i> , 2001, 172, 250-254.	2.0	20
98	Proline reduces creatine kinase activity in the brain cortex of rats. <i>Neurochemical Research</i> , 2003, 28, 1175-1180.	1.6	20
99	Oxidative stress induction by <i>cis</i> -4-decenoic acid: Relevance for MCAD deficiency. <i>Free Radical Research</i> , 2007, 41, 1261-1272.	1.5	20
100	Prevention of DNA damage by l-carnitine induced by metabolites accumulated in maple syrup urine disease in human peripheral leukocytes in vitro. <i>Gene</i> , 2014, 548, 294-298.	1.0	20
101	Neonatal hyperglycemia induces oxidative stress in the rat brain: the role of pentose phosphate pathway enzymes and NADPH oxidase. <i>Molecular and Cellular Biochemistry</i> , 2015, 403, 159-167.	1.4	20
102	Experimental evidence that ornithine and homocitrulline disrupt energy metabolism in brain of young rats. <i>Brain Research</i> , 2009, 1291, 102-112.	1.1	19
103	Intracerebroventricular administration of N-acetylaspartic acid impairs antioxidant defenses and promotes protein oxidation in cerebral cortex of rats. <i>Metabolic Brain Disease</i> , 2009, 24, 283-298.	1.4	19
104	Chronic Exposure to β -Alanine Generates Oxidative Stress and Alters Energy Metabolism in Cerebral Cortex and Cerebellum of Wistar Rats. <i>Molecular Neurobiology</i> , 2018, 55, 5101-5110.	1.9	19
105	Proline administration decreases Na ⁺ ,K ⁺ -ATPase activity in the synaptic plasma membrane from cerebral cortex of rats. <i>Metabolic Brain Disease</i> , 1999, 14, 265-272.	1.4	18
106	Inhibition of pyruvate kinase activity by cystine in brain cortex of rats. <i>Brain Research</i> , 2004, 1012, 93-100.	1.1	18
107	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, 1255-1263.	1.6	17
108	Inhibition of energy metabolism by 2-methylacetoacetate and 2-methyl-3-hydroxybutyrate in cerebral cortex of developing rats. <i>Journal of Inherited Metabolic Disease</i> , 2005, 28, 501-515.	1.7	17

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109	Protective effect of antioxidants on brain oxidative damage caused by proline administration. <i>Neuroscience Research</i> , 2005, 52, 69-74.	1.0	17
110	Tyrosine inhibits creatine kinase activity in cerebral cortex of young rats. <i>Metabolic Brain Disease</i> , 2011, 26, 221-227.	1.4	17
111	Experimental hyperprolinemia induces mild oxidative stress, metabolic changes, and tissue adaptation in rat liver. <i>Journal of Cellular Biochemistry</i> , 2012, 113, 174-183.	1.2	17
112	Brain zinc chelation by diethyldithiocarbamate increased the behavioral and mitochondrial damages in zebrafish subjected to hypoxia. <i>Scientific Reports</i> , 2016, 6, 20279.	1.6	17
113	Cysteamine prevents and reverses the inhibition of creatine kinase activity caused by cystine in rat brain cortex. <i>Neurochemistry International</i> , 2005, 46, 391-397.	1.9	16
114	The effects of the interactions between amino acids on pyruvate kinase activity from the brain cortex of young rats. <i>International Journal of Developmental Neuroscience</i> , 2005, 23, 509-514.	0.7	16
115	Neuroprotective role of lipoic acid against acute toxicity of N-acetylaspartic acid. <i>Molecular and Cellular Biochemistry</i> , 2010, 344, 231-239.	1.4	16
116	Alanine prevents the reduction of pyruvate kinase activity in brain cortex of rats subjected to chemically induced hyperphenylalaninemia. <i>Neurochemical Research</i> , 2002, 27, 947-952.	1.6	15
117	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, 233-243.	1.4	15
118	Alanine prevents the in vitro inhibition of glycolysis caused by phenylalanine in brain cortex of rats. <i>Metabolic Brain Disease</i> , 2003, 18, 87-94.	1.4	15
119	Effects of cysteamine on oxidative status in cerebral cortex of rats. <i>Metabolic Brain Disease</i> , 2008, 23, 81-93.	1.4	15
120	Dehydroepiandrosterone improves hepatic antioxidant reserve and stimulates Akt signaling in young and old rats. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2011, 127, 331-336.	1.2	15
121	Glutathione metabolism enzymes in brain and liver of hyperphenylalaninemic rats and the effect of lipoic acid treatment. <i>Metabolic Brain Disease</i> , 2014, 29, 609-15.	1.4	15
122	Creatine and Pyruvate Prevent the Alterations Caused by Tyrosine on Parameters of Oxidative Stress and Enzyme Activities of Phosphoryltransfer Network in Cerebral Cortex of Wistar Rats. <i>Molecular Neurobiology</i> , 2015, 51, 1184-1194.	1.9	15
123	Arginine administration reduces catalase activity in midbrain of rats. <i>NeuroReport</i> , 2002, 13, 1301-1304.	0.6	14
124	Promotion of oxidative stress in kidney of rats loaded with cystine dimethyl ester. <i>Pediatric Nephrology</i> , 2007, 22, 1121-1128.	0.9	14
125	Evidence that 3-hydroxyisobutyric acid inhibits key enzymes of energy metabolism in cerebral cortex of young rats. <i>International Journal of Developmental Neuroscience</i> , 2008, 26, 293-299.	0.7	14
126	Antioxidant treatment strategies for hyperphenylalaninemia. <i>Metabolic Brain Disease</i> , 2013, 28, 541-550.	1.4	14

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127	Diabetic encephalopathy-related depression: experimental evidence that insulin and clonazepam restore antioxidant status in rat brain. <i>Cell Biochemistry and Function</i> , 2014, 32, 711-719.	1.4	14
128	Voluntary Exercise Prevents Oxidative Stress in the Brain of Phenylketonuria Mice. <i>JIMD Reports</i> , 2015, 27, 69-77.	0.7	14
129	2-Hydroxybutyrate and 4-hydroxybutyrate inhibit CO ₂ formation from labeled substrates by rat cerebral cortex. <i>Biochemical Society Transactions</i> , 1995, 23, 228S-228S.	1.6	13
130	Chronic postnatal administration of methylmalonic acid provokes a decrease of myelin content and ganglioside N-acetylneuraminic acid concentration in cerebrum of young rats. <i>Brazilian Journal of Medical and Biological Research</i> , 2001, 34, 227-231.	0.7	13
131	Na ⁺ , K ⁺ ATPase activity is markedly reduced by cis-4-decenoic acid in synaptic plasma membranes from cerebral cortex of rats. <i>Experimental Neurology</i> , 2006, 197, 143-149.	2.0	13
132	Neurochemical Evidence that the Metabolites Accumulating in 3-Methylcrotonyl-CoA Carboxylase Deficiency Induce Oxidative Damage in Cerebral Cortex of Young Rats. <i>Cellular and Molecular Neurobiology</i> , 2013, 33, 137-146.	1.7	13
133	Reduced Locomotor Activity of Rats Made Histidinemic by Injection of Histidine. <i>Journal of Nutrition</i> , 1989, 119, 1223-1227.	1.3	12
134	Tryptophan reduces creatine kinase activity in the brain cortex of rats. <i>International Journal of Developmental Neuroscience</i> , 2004, 22, 95-101.	0.7	12
135	Energy Metabolism is Compromised in Skeletal Muscle of Rats Chronically-Treated with Glutaric Acid. <i>Metabolic Brain Disease</i> , 2007, 22, 111-123.	1.4	12
136	Effect of histidine administration to female rats during pregnancy and lactation on enzymes activity of phosphoryltransfer network in cerebral cortex and hippocampus of the offspring. <i>Metabolic Brain Disease</i> , 2012, 27, 595-603.	1.4	12
137	Inhibition of in vitro CO ₂ production and lipid synthesis by 2-hydroxybutyric acid in rat brain. <i>Brazilian Journal of Medical and Biological Research</i> , 2001, 34, 627-631.	0.7	11
138	Effects of histidine and imidazolelactic acid on various parameters of the oxidative stress in cerebral cortex of young rats. <i>International Journal of Developmental Neuroscience</i> , 2004, 22, 67-72.	0.7	11
139	Citrulline and Ammonia Accumulating in Citrullinemia Reduces Antioxidant Capacity of Rat Brain In Vitro. <i>Metabolic Brain Disease</i> , 2006, 21, 61-72.	1.4	11
140	Acute exercise in treated phenylketonuria patients: Physical activity and biochemical response. <i>Molecular Genetics and Metabolism Reports</i> , 2015, 5, 55-59.	0.4	11
141	An improved specific laboratory test for homocystinuria. <i>Clinica Chimica Acta</i> , 1982, 125, 367-369.	0.5	10
142	Inhibition of rat brain lipid synthesis in vitro by 4-hydroxybutyric acid. <i>Metabolic Brain Disease</i> , 1999, 14, 157-164.	1.4	10
143	Reduced Na ⁺ ,K ⁺ -ATPase Activity in Erythrocyte Membranes from Patients with Phenylketonuria. <i>Pediatric Research</i> , 2001, 50, 56-60.	1.1	10
144	Kinetic studies on the inhibition of creatine kinase activity by branched-chain amino acids in the brain cortex of rats. <i>International Journal of Developmental Neuroscience</i> , 2003, 21, 145-151.	0.7	10

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145	Influence of ketone bodies on oxidative stress parameters in brain of developing rats in vitro. <i>Metabolic Brain Disease</i> , 2008, 23, 411-425.	1.4	10
146	Effect of phenylalanine, <i>p</i> -chlorophenylalanine and β -methylphenylalanine on glucose uptake <i>in vitro</i> by the brain of young rats. <i>Biochemical Society Transactions</i> , 1990, 18, 419-419.	1.6	9
147	Possible high frequency of tetrahydrobiopterin deficiency in South Brazil. <i>Journal of Inherited Metabolic Disease</i> , 1994, 17, 223-229.	1.7	9
148	Effect of collection, transport, processing and storage of blood specimens on the activity of lysosomal enzymes in plasma and leukocytes. <i>Brazilian Journal of Medical and Biological Research</i> , 2000, 33, 1003-1013.	0.7	9
149	Evaluation of the effect of chronic administration of drugs on rat behavior in the water maze task. <i>Brain Research Protocols</i> , 2003, 12, 109-115.	1.7	9
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