

Emilio Luiz Streck

List of Publications by Year in descending order

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250
papers

7,584
citations

57631

44
h-index

91712

69
g-index

251
all docs

251
docs citations

251
times ranked

9110
citing authors

#	ARTICLE	IF	CITATIONS
1	Mitochondrial Dysfunction and Psychiatric Disorders. <i>Neurochemical Research</i> , 2009, 34, 1021-1029.	1.6	326
2	Evaluation of mitochondrial respiratory chain activity in wound healing by low-level laser therapy. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2007, 86, 279-282.	1.7	184
3	Inhibition of mitochondrial respiratory chain in brain of rats subjected to an experimental model of depression. <i>Neurochemistry International</i> , 2008, 53, 395-400.	1.9	172
4	Evaluation of mitochondrial respiratory chain activity in muscle healing by low-level laser therapy. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2009, 95, 89-92.	1.7	155
5	Preconditioning prevents the inhibition of Na ⁺ ,K ⁺ -ATPase activity after brain ischemia. <i>Neurochemical Research</i> , 2000, 25, 971-975.	1.6	138
6	Mitochondrial dysfunction in bipolar disorder: Evidence, pathophysiology and translational implications. <i>Neuroscience and Biobehavioral Reviews</i> , 2016, 68, 694-713.	2.9	121
7	Methylmalonate administration decreases Na ⁺ ,K ⁺ -ATPase activity in cerebral cortex of rats. <i>NeuroReport</i> , 2000, 11, 2331-2334.	0.6	119
8	Antioxidant treatment reverses mitochondrial dysfunction in a sepsis animal model. <i>Mitochondrion</i> , 2008, 8, 211-218.	1.6	118
9	In vitro effects of silver nanoparticles on the mitochondrial respiratory chain. <i>Molecular and Cellular Biochemistry</i> , 2010, 342, 51-56.	1.4	110
10	Oxidative stress and metabolism in animal model of colitis induced by dextran sulfate sodium. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2007, 22, 1846-1851.	1.4	102
11	Effects of N-acetylcysteine plus deferoxamine in lipopolysaccharide-induced acute lung injury in the rat*. <i>Critical Care Medicine</i> , 2006, 34, 471-477.	0.4	101
12	Effects of mood stabilizers on mitochondrial respiratory chain activity in brain of rats treated with d-amphetamine. <i>Journal of Psychiatric Research</i> , 2010, 44, 903-909.	1.5	101
13	Reduction of hippocampal Na ⁺ , K ⁺ -ATPase activity in rats subjected to an experimental model of depression. <i>Neurochemical Research</i> , 2003, 28, 1339-1344.	1.6	98
14	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, 1685-1689.	1.6	96
15	Mitochondrial activity and oxidative stress markers in peripheral blood mononuclear cells of patients with bipolar disorder, schizophrenia, and healthy subjects. <i>Journal of Psychiatric Research</i> , 2013, 47, 1396-1402.	1.5	92
16	Attenuation of bleomycin-induced lung injury and oxidative stress by N-acetylcysteine plus deferoxamine. <i>Pulmonary Pharmacology and Therapeutics</i> , 2008, 21, 309-316.	1.1	91
17	Il1-Î² Involvement in Cognitive Impairment after Sepsis. <i>Molecular Neurobiology</i> , 2014, 49, 1069-1076.	1.9	87
18	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

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19	Mitochondrial respiratory chain in the colonic mucosal of patients with ulcerative colitis. <i>Molecular and Cellular Biochemistry</i> , 2010, 342, 111-115.	1.4	83
20	Antioxidant Treatment Reverses Organ Failure in Rat Model of Sepsis: Role of Antioxidant Enzymes Imbalance, Neutrophil Infiltration, and Oxidative Stress. <i>Journal of Surgical Research</i> , 2011, 167, e307-e313.	0.8	83
21	Reduction of Na(+),K(+)-ATPase activity in hippocampus of rats subjected to chemically induced hyperhomocysteinemia. <i>Neurochemical Research</i> , 2002, 27, 1593-1598.	1.6	82
22	Doxorubicin caused severe hyperglycaemia and insulin resistance, mediated by inhibition in AMPk signalling in skeletal muscle. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2016, 7, 615-625.	2.9	79
23	Antipsychotic-induced oxidative stress in Rat Brain. <i>Neurotoxicity Research</i> , 2008, 13, 63-69.	1.3	74
24	Mitochondrial respiratory chain and creatine kinase activities in rat brain after sepsis induced by cecal ligation and perforation. <i>Mitochondrion</i> , 2008, 8, 313-318.	1.6	74
25	Phenylketonuria Pathophysiology: on the Role of Metabolic Alterations. , 2015, 6, 390.		73
26	Behavioral changes and mitochondrial dysfunction in a rat model of schizophrenia induced by ketamine. <i>Metabolic Brain Disease</i> , 2011, 26, 69-77.	1.4	72
27	Decaffeinated green tea extract rich in epigallocatechin-3-gallate prevents fatty liver disease by increased activities of mitochondrial respiratory chain complexes in diet-induced obesity mice. <i>Journal of Nutritional Biochemistry</i> , 2015, 26, 1348-1356.	1.9	72
28	Mitochondrial Respiratory Dysfunction and Oxidative Stress after Chronic Malathion Exposure. <i>Neurochemical Research</i> , 2006, 31, 1021-1025.	1.6	71
29	Mitochondria and the central nervous system: searching for a pathophysiological basis of psychiatric disorders. <i>Revista Brasileira De Psiquiatria</i> , 2014, 36, 156-167.	0.9	68
30	The Septic Brain. <i>Neurochemical Research</i> , 2008, 33, 2171-2177.	1.6	65
31	Behavioral and neurochemical effects of sodium butyrate in an animal model of mania. <i>Behavioural Pharmacology</i> , 2011, 22, 766-772.	0.8	65
32	Chronic hyperhomocysteinemia provokes a memory deficit in rats in the Morris water maze task. <i>Behavioural Brain Research</i> , 2004, 153, 377-381.	1.2	64
33	Oxidative Mechanisms of Brain Dysfunction During Sepsis. <i>Neurochemical Research</i> , 2010, 35, 1-12.	1.6	59
34	N-Acetylcysteine and deferoxamine reduce pulmonary oxidative stress and inflammation in rats after coal dust exposure. <i>Environmental Research</i> , 2005, 99, 355-360.	3.7	56
35	Acute administration of ketamine reverses the inhibition of mitochondrial respiratory chain induced by chronic mild stress. <i>Brain Research Bulletin</i> , 2009, 79, 418-421.	1.4	54
36	Alterations in Inflammatory Mediators, Oxidative Stress Parameters and Energetic Metabolism in the Brain of Sepsis Survivor Rats. <i>Neurochemical Research</i> , 2011, 36, 304-311.	1.6	53

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37	Inhibition of Na ⁺ ,K ⁺ -ATPase from rat brain cortex by propionic acid. <i>NeuroReport</i> , 1998, 9, 1719-1721.	0.6	52
38	Chronic administration of methylphenidate activates mitochondrial respiratory chain in brain of young rats. <i>International Journal of Developmental Neuroscience</i> , 2007, 25, 47-51.	0.7	52
39	Brain creatine kinase activity in an animal model of mania. <i>Life Sciences</i> , 2008, 82, 424-429.	2.0	52
40	Lithium and valproate modulate energy metabolism in an animal model of mania induced by methamphetamine. <i>Pharmacology Biochemistry and Behavior</i> , 2013, 103, 589-596.	1.3	51
41	Lithium increases leukocyte mitochondrial complex I activity in bipolar disorder during depressive episodes. <i>Psychopharmacology</i> , 2015, 232, 245-250.	1.5	51
42	Physical exercise increases mitochondrial function and reduces oxidative damage in skeletal muscle. <i>European Journal of Applied Physiology</i> , 2009, 105, 861-867.	1.2	50
43	Inhibition of Na ⁺ , K ⁺ -ATPase activity by the metabolites accumulating in homocystinuria. <i>Metabolic Brain Disease</i> , 2002, 17, 83-91.	1.4	49
44	Inhibition of rat brain Na ⁺ , K ⁺ -ATPase activity induced by homocysteine is probably mediated by oxidative stress. <i>Neurochemical Research</i> , 2001, 26, 1195-1200.	1.6	46
45	The nociceptin/orphanin FQ-NOP receptor antagonist effects on an animal model of sepsis. <i>Intensive Care Medicine</i> , 2008, 34, 2284-2290.	3.9	46
46	Brain energy metabolism is compromised by the metabolites accumulating in homocystinuria. <i>Neurochemistry International</i> , 2003, 43, 597-602.	1.9	45
47	Pulsed ultrasound associated with gold nanoparticle gel reduces oxidative stress parameters and expression of pro-inflammatory molecules in an animal model of muscle injury. <i>Journal of Nanobiotechnology</i> , 2012, 10, 11.	4.2	45
48	Cognitive Impairment in the Septic Brain. <i>Current Neurovascular Research</i> , 2009, 6, 194-203.	0.4	44
49	Effects of lithium and valproate on hippocampus citrate synthase activity in an animal model of mania. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2007, 31, 887-891.	2.5	43
50	Intense Exercise Induces Mitochondrial Dysfunction in Mice Brain. <i>Neurochemical Research</i> , 2008, 33, 51-58.	1.6	43
51	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
52	Evaluation of Krebs cycle enzymes in the brain of rats after chronic administration of antidepressants. <i>Brain Research Bulletin</i> , 2010, 82, 224-227.	1.4	41
53	L-Tyrosine administration increases acetylcholinesterase activity in rats. <i>Neurochemistry International</i> , 2012, 61, 1370-1374.	1.9	41
54	Activity of mitochondrial respiratory chain is increased by chronic administration of antidepressants. <i>Acta Neuropsychiatrica</i> , 2011, 23, 112-118.	1.0	40

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55	Enriched Flavonoid Fraction from <i>Cecropia pachystachya</i> TrÃ©cul Leaves Exerts Antidepressant-like Behavior and Protects Brain Against Oxidative Stress in Rats Subjected to Chronic Mild Stress. <i>Neurotoxicity Research</i> , 2016, 29, 469-483.	1.3	40
56	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, 187-192.	1.8	38
57	Treatment with olanzapine, fluoxetine and olanzapine/fluoxetine alters citrate synthase activity in rat brain. <i>Neuroscience Letters</i> , 2011, 487, 278-281.	1.0	38
58	Novel insights into mitochondrial molecular targets of iron-induced neurodegeneration: Reversal by cannabidiol. <i>Brain Research Bulletin</i> , 2018, 139, 1-8.	1.4	38
59	Effects of the HIV treatment drugs nevirapine and efavirenz on brain creatine kinase activity. <i>Metabolic Brain Disease</i> , 2008, 23, 485-492.	1.4	37
60	Effects of acute and chronic treatment elicited by lamotrigine on behavior, energy metabolism, neurotrophins and signaling cascades in rats. <i>Neurochemistry International</i> , 2011, 59, 1163-1174.	1.9	37
61	Treatment with tianeptine induces antidepressive-like effects and alters the neurotrophin levels, mitochondrial respiratory chain and cycle Krebs enzymes in the brain of maternally deprived adult rats. <i>Metabolic Brain Disease</i> , 2013, 28, 93-105.	1.4	37
62	Iontophoresis with gold nanoparticles improves mitochondrial activity and oxidative stress markers of burn wounds. <i>Materials Science and Engineering C</i> , 2014, 44, 380-385.	3.8	37
63	Gold nanoparticles alter parameters of oxidative stress and energy metabolism in organs of adult rats. <i>Biochemistry and Cell Biology</i> , 2015, 93, 548-557.	0.9	37
64	Increased oxidative stress in the mitochondria isolated from lymphocytes of bipolar disorder patients during depressive episodes. <i>Psychiatry Research</i> , 2018, 264, 192-201.	1.7	37
65	Acute and chronic administration of cannabidiol increases mitochondrial complex and creatine kinase activity in the rat brain. <i>Revista Brasileira De Psiquiatria</i> , 2013, 35, 380-386.	0.9	36
66	Effect of antipsychotics on succinate dehydrogenase and cytochrome oxidase activities in rat brain. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2007, 376, 127-133.	1.4	35
67	Tianeptine treatment induces antidepressive-like effects and alters BDNF and energy metabolism in the brain of rats. <i>Behavioural Brain Research</i> , 2012, 233, 526-535.	1.2	35
68	Effect of therapeutic pulsed ultrasound on parameters of oxidative stress in skeletal muscle after injury. <i>Cell Biology International</i> , 2007, 31, 482-488.	1.4	34
69	Brain creatine kinase activity is increased by chronic administration of paroxetine. <i>Brain Research Bulletin</i> , 2009, 80, 327-330.	1.4	33
70	Skeletal Muscle Electron Transport Chain Dysfunction After Sepsis in Rats. <i>Journal of Surgical Research</i> , 2011, 167, e333-e338.	0.8	33
71	Histone deacetylase inhibitors reverse manic-like behaviors and protect the rat brain from energetic metabolic alterations induced by ouabain. <i>Pharmacology Biochemistry and Behavior</i> , 2015, 128, 89-95.	1.3	33
72	Effect of Acute Administration of l-Tyrosine on Oxidative Stress Parameters in Brain of Young Rats. <i>Neurochemical Research</i> , 2013, 38, 2625-2630.	1.6	32

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73	Mitochondrial dysfunction is associated with long-term cognitive impairment in an animal sepsis model. <i>Clinical Science</i> , 2019, 133, 1993-2004.	1.8	32
74	Effects of Therapeutic Pulsed Ultrasound and Dimethylsulfoxide (DMSO) Phonophoresis on Parameters of Oxidative Stress in Traumatized Muscle. <i>Ultrasound in Medicine and Biology</i> , 2010, 36, 44-50.	0.7	31
75	Homocysteine induces energy imbalance in rat skeletal muscle: Is creatine a protector?. <i>Cell Biochemistry and Function</i> , 2013, 31, 575-584.	1.4	31
76	Methylphenidate treatment causes oxidative stress and alters energetic metabolism in an animal model of attention-deficit hyperactivity disorder. <i>Acta Neuropsychiatrica</i> , 2014, 26, 96-103.	1.0	31
77	Minocycline protects against oxidative damage and alters energy metabolism parameters in the brain of rats subjected to chronic mild stress. <i>Metabolic Brain Disease</i> , 2015, 30, 545-553.	1.4	31
78	Inhibition of mitochondrial respiratory chain in the brain of rats after hepatic failure induced by carbon tetrachloride is reversed by antioxidants. <i>Brain Research Bulletin</i> , 2009, 80, 75-78.	1.4	30
79	A Rodent Model of Schizophrenia Reveals Increase in Creatine Kinase Activity with Associated Behavior Changes. <i>Oxidative Medicine and Cellular Longevity</i> , 2010, 3, 421-427.	1.9	30
80	Tamoxifen effects on respiratory chain complexes and creatine kinase activities in an animal model of mania. <i>Pharmacology Biochemistry and Behavior</i> , 2011, 98, 304-310.	1.3	29
81	Non-Nucleoside Reverse Transcriptase Inhibitors Efavirenz and Nevirapine Inhibit Cytochrome C Oxidase in Mouse Brain Regions. <i>Neurochemical Research</i> , 2011, 36, 962-966.	1.6	29
82	Toxicity of octanoate and decanoate in rat peripheral tissues: evidence of bioenergetic dysfunction and oxidative damage induction in liver and skeletal muscle. <i>Molecular and Cellular Biochemistry</i> , 2012, 361, 329-335.	1.4	29
83	l-Tyrosine Induces DNA Damage in Brain and Blood of Rats. <i>Neurochemical Research</i> , 2014, 39, 202-207.	1.6	29
84	Effect of acute administration of ketamine and imipramine on creatine kinase activity in the brain of rats. <i>Revista Brasileira De Psiquiatria</i> , 2009, 31, 247-252.	0.9	28
85	Behavioral changes and brain energy metabolism dysfunction in rats treated with methamphetamine or dextroamphetamine. <i>Neuroscience Letters</i> , 2012, 530, 75-79.	1.0	28
86	DNA damage in an animal model of maple syrup urine disease. <i>Molecular Genetics and Metabolism</i> , 2012, 106, 169-174.	0.5	28
87	Lamotrigine treatment reverses depressive-like behavior and alters BDNF levels in the brains of maternally deprived adult rats. <i>Pharmacology Biochemistry and Behavior</i> , 2012, 101, 348-353.	1.3	28
88	Chronic administration of branched-chain amino acids impairs spatial memory and increases brain-derived neurotrophic factor in a rat model. <i>Journal of Inherited Metabolic Disease</i> , 2013, 36, 721-730.	1.7	27
89	Antidepressant-like effects of aqueous extract from <i>Cecropia pachystachya</i> leaves in a mouse model of chronic unpredictable stress. <i>Brain Research Bulletin</i> , 2014, 108, 10-17.	1.4	27
90	Mitochondrial dysfunction as a critical event in the pathophysiology of bipolar disorder. <i>Mitochondrion</i> , 2021, 57, 23-36.	1.6	27

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91	Reduction of energy metabolism in rat hippocampus by arginine administration. <i>Brain Research</i> , 2003, 983, 58-63.	1.1	26
92	Inhibition of brain creatine kinase activity after renal ischemia is attenuated by N-acetylcysteine and deferoxamine administration. <i>Neuroscience Letters</i> , 2008, 434, 139-143.	1.0	26
93	Brain apoptosis signaling pathways are regulated by methylphenidate treatment in young and adult rats. <i>Brain Research</i> , 2014, 1583, 269-276.	1.1	26
94	Chronic Hyperprolinemia Provokes a Memory Deficit in the Morris Water Maze Task. <i>Metabolic Brain Disease</i> , 2005, 20, 73-80.	1.4	25
95	Effects of <i>Mikania glomerata</i> Spreng. and <i>Mikania laevigata</i> Schultz Bip. ex Baker (Asteraceae) Extracts on Pulmonary Inflammation and Oxidative Stress Caused by Acute Coal Dust Exposure. <i>Journal of Medicinal Food</i> , 2008, 11, 761-766.	0.8	25
96	Effects of N-Acetylcysteine/Deferoxamine, Taurine and RC-3095 on Respiratory Chain Complexes and Creatine Kinase Activities in Rat Brain After Sepsis. <i>Neurochemical Research</i> , 2010, 35, 515-521.	1.6	25
97	Sodium butyrate reverses the inhibition of Krebs cycle enzymes induced by amphetamine in the rat brain. <i>Journal of Neural Transmission</i> , 2013, 120, 1737-1742.	1.4	25
98	Mitochondrial IV complex and brain neurotrophic derived factor responses of mice brain cortex after downhill training. <i>Neuroscience Letters</i> , 2007, 426, 171-174.	1.0	24
99	Effects of olanzapine, fluoxetine and olanzapine/fluoxetine on creatine kinase activity in rat brain. <i>Brain Research Bulletin</i> , 2009, 80, 337-340.	1.4	24
100	Acute and Chronic Administration of the Branched-Chain Amino Acids Decreases Nerve Growth Factor in Rat Hippocampus. <i>Molecular Neurobiology</i> , 2013, 48, 581-589.	1.9	24
101	The oral administration of D-galactose induces abnormalities within the mitochondrial respiratory chain in the brain of rats. <i>Metabolic Brain Disease</i> , 2017, 32, 811-817.	1.4	24
102	Methylphenidate increases creatine kinase activity in the brain of young and adult rats. <i>Life Sciences</i> , 2008, 83, 795-800.	2.0	23
103	Inhibition of Mitochondrial Respiratory Chain in the Brain of Adult Rats After Acute and Chronic Administration of Methylphenidate. <i>Neurochemical Research</i> , 2010, 35, 405-411.	1.6	23
104	Evaluation of respiratory chain activity in lymphocytes of patients with Alzheimer disease. <i>Metabolic Brain Disease</i> , 2011, 26, 229-236.	1.4	23
105	Administration of Harmine and Imipramine Alters Creatine Kinase and Mitochondrial Respiratory Chain Activities in the Rat Brain. <i>Depression Research and Treatment</i> , 2012, 2012, 1-7.	0.7	23
106	Antioxidant administration prevents memory impairment in an animal model of maple syrup urine disease. <i>Behavioural Brain Research</i> , 2012, 231, 92-96.	1.2	23
107	Xanthine oxidase activity in patients with sepsis. <i>Clinical Biochemistry</i> , 2008, 41, 1186-1190.	0.8	22
108	Na ⁺ ,K ⁺ -ATPase activity in an animal model of mania. <i>Journal of Neural Transmission</i> , 2009, 116, 431-436.	1.4	22

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109	Low dose dexamethasone reverses depressive-like parameters and memory impairment in rats submitted to sepsis. <i>Neuroscience Letters</i> , 2010, 473, 126-130.	1.0	22
110	Olanzapine plus fluoxetine treatment alters mitochondrial respiratory chain activity in the rat brain. <i>Acta Neuropsychiatrica</i> , 2011, 23, 282-291.	1.0	22
111	Late brain alterations in sepsis-survivor rats. <i>Synapse</i> , 2013, 67, 786-793.	0.6	22
112	Evaluation of the Effects of Fructose on Oxidative Stress and Inflammatory Parameters in Rat Brain. <i>Molecular Neurobiology</i> , 2014, 50, 1124-1130.	1.9	22
113	Inhibition of Na ⁺ , K ⁺ -ATPase activity in rat striatum by guanidinoacetate. <i>International Journal of Developmental Neuroscience</i> , 2003, 21, 183-189.	0.7	21
114	Effect of l-Tyrosine In Vitro and In Vivo on Energy Metabolism Parameters in Brain and Liver of Young Rats. <i>Neurotoxicity Research</i> , 2013, 23, 327-335.	1.3	21
115	Evaluation of the protective effect of <i>Ilex paraguariensis</i> and <i>Camellia sinensis</i> extracts on the prevention of oxidative damage caused by ultraviolet radiation. <i>Environmental Toxicology and Pharmacology</i> , 2014, 37, 195-201.	2.0	21
116	Effects of primaquine and chloroquine on oxidative stress parameters in rats. <i>Anais Da Academia Brasileira De Ciencias</i> , 2015, 87, 1487-1496.	0.3	21
117	Methylphenidate Causes Behavioral Impairments and Neuron and Astrocyte Loss in the Hippocampus of Juvenile Rats. <i>Molecular Neurobiology</i> , 2017, 54, 4201-4216.	1.9	21
118	Inhibition of indoleamine 2,3-dioxygenase 1/2 prevented cognitive impairment and energetic metabolism changes in the hippocampus of adult rats subjected to polymicrobial sepsis. <i>Journal of Neuroimmunology</i> , 2017, 305, 167-171.	1.1	21
119	Effect of acute and long-term administration of gold nanoparticles on biochemical parameters in rat brain. <i>Materials Science and Engineering C</i> , 2017, 79, 748-755.	3.8	21
120	LC/QTOF profile and preliminary stability studies of an enriched flavonoid fraction of <i>Cecropia pachystachya</i> TrÃ©cul leaves with potential antidepressant-like activity. <i>Biomedical Chromatography</i> , 2017, 31, e3982.	0.8	21
121	Serum Markers of Neurodegeneration in Maple Syrup Urine Disease. <i>Molecular Neurobiology</i> , 2017, 54, 5709-5719.	1.9	21
122	Effect of Antipsychotics on Creatine Kinase Activity in Rat Brain. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2007, 101, 315-319.	1.2	20
123	In vitro effect of silver nanoparticles on creatine kinase activity. <i>Journal of the Brazilian Chemical Society</i> , 2009, 20, 1556-1560.	0.6	20
124	Evaluation of citrate synthase activity in brain of rats submitted to an animal model of mania induced by ouabain. <i>Molecular and Cellular Biochemistry</i> , 2010, 341, 245-249.	1.4	20
125	Administration of memantine and imipramine alters mitochondrial respiratory chain and creatine kinase activities in rat brain. <i>Journal of Neural Transmission</i> , 2012, 119, 481-491.	1.4	20
126	DNA damage induced by phenylalanine and its analogue <i>p</i> -chlorophenylalanine in blood and brain of rats subjected to a model of hyperphenylalaninemia. <i>Biochemistry and Cell Biology</i> , 2013, 91, 319-324.	0.9	20

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127	Synergistic effects of resistance training and protein intake: Practical aspects. <i>Nutrition</i> , 2014, 30, 1097-1103.	1.1	20
128	Fenproporex Increases Locomotor Activity and Alters Energy Metabolism, and Mood Stabilizers Reverse These Changes: a Proposal for a New Animal Model of Mania. <i>Molecular Neurobiology</i> , 2014, 49, 877-892.	1.9	20
129	Effects of Mood Stabilizers on Brain Energy Metabolism in Mice Submitted to an Animal Model of Mania Induced by Paradoxical Sleep Deprivation. <i>Neurochemical Research</i> , 2015, 40, 1144-1152.	1.6	20
130	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.	0.7	19
131	Evaluation of mitochondrial respiratory chain in the brain of rats after pneumococcal meningitis. <i>Brain Research Bulletin</i> , 2010, 82, 302-307.	1.4	19
132	Methylphenidate Treatment Leads to Abnormalities on Krebs Cycle Enzymes in the Brain of Young and Adult Rats. <i>Neurotoxicity Research</i> , 2013, 24, 251-257.	1.3	19
133	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
134	Mecanismos básicos da encefalopatia urêmica. <i>Revista Brasileira De Terapia Intensiva</i> , 2010, 22, 206-211.	0.1	18
135	Effect of Therapeutic Pulsed Ultrasound on Lipoperoxidation and Fibrogenesis in an Animal Model of Wound Healing. <i>Journal of Surgical Research</i> , 2010, 161, 168-171.	0.8	18
136	Evaluation of Acetylcholinesterase in an Animal Model of Maple Syrup Urine Disease. <i>Molecular Neurobiology</i> , 2012, 45, 279-286.	1.9	18
137	NLRP3 Activation Contributes to Acute Brain Damage Leading to Memory Impairment in Sepsis-Surviving Rats. <i>Molecular Neurobiology</i> , 2020, 57, 5247-5262.	1.9	18
138	Decreased Creatine Kinase Activity Caused by Electroconvulsive Shock. <i>Neurochemical Research</i> , 2006, 31, 877-881.	1.6	17
139	Effect of Acute and Chronic Administration of Methylphenidate on Mitochondrial Respiratory Chain in the Brain of Young Rats. <i>Neurochemical Research</i> , 2010, 35, 1675-1680.	1.6	17
140	Acute exposure to leucine modifies behavioral parameters and cholinergic activity in zebrafish. <i>International Journal of Developmental Neuroscience</i> , 2019, 78, 222-226.	0.7	17
141	Exposure to a high dose of amoxicillin causes behavioral changes and oxidative stress in young zebrafish. <i>Metabolic Brain Disease</i> , 2020, 35, 1407-1416.	1.4	17
142	Effects of electroconvulsive seizures on Na ⁺ ,K ⁺ -ATPase activity in the rat hippocampus. <i>Neuroscience Letters</i> , 2006, 404, 254-257.	1.0	16
143	Inhibition of mitochondrial respiratory chain in the brain of rats after hepatic failure induced by acetaminophen. <i>Molecular and Cellular Biochemistry</i> , 2011, 350, 149-154.	1.4	16
144	Erythropoietin reverts cognitive impairment and alters the oxidative parameters and energetic metabolism in sepsis animal model. <i>Journal of Neural Transmission</i> , 2012, 119, 1267-1274.	1.4	16

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145	Coadministration of Branched-Chain Amino Acids and Lipopolysaccharide Causes Matrix Metalloproteinase Activation and Blood-Brain Barrier Breakdown. <i>Molecular Neurobiology</i> , 2014, 50, 358-367.	1.9	16
146	Maternal deprivation disrupts mitochondrial energy homeostasis in the brain of rats subjected to ketamine-induced schizophrenia. <i>Metabolic Brain Disease</i> , 2015, 30, 1043-1053.	1.4	16
147	Acute Carnosine Administration Increases Respiratory Chain Complexes and Citric Acid Cycle Enzyme Activities in Cerebral Cortex of Young Rats. <i>Molecular Neurobiology</i> , 2016, 53, 5582-5590.	1.9	16
148	White matter disturbances in phenylketonuria: Possible underlying mechanisms. <i>Journal of Neuroscience Research</i> , 2021, 99, 349-360.	1.3	16
149	Lack of effect of antipsychotics on BDNF and NGF levels in hippocampus of Wistar rats. <i>Metabolic Brain Disease</i> , 2008, 23, 213-219.	1.4	15
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