

Csar Augusto Joo Ribeiro

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48
papers

977
citations

19
h-index

29
g-index

51
ext. papers

1,073
ext. citations

4.3
avg, IF

3.38
L-index

#	Paper	IF	Citations
48	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
47	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
46	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, 1531-42	6	49
45	Inhibition of brain energy metabolism by the branched-chain amino acids accumulating in maple syrup urine disease. <i>Neurochemical Research</i> , 2008 , 33, 114-24	4.6	46
44	Evidence that 3-hydroxyglutaric acid interacts with NMDA receptors in synaptic plasma membranes from cerebral cortex of young rats. <i>Neurochemistry International</i> , 2004 , 45, 1087-94	4.4	42
43	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
42	Inhibition of creatine kinase activity from rat cerebral cortex by D-2-hydroxyglutaric acid in vitro. <i>Neurochemistry International</i> , 2004 , 44, 45-52	4.4	39
41	Isovaleric acid reduces Na ⁺ , K ⁺ -ATPase activity in synaptic membranes from cerebral cortex of young rats. <i>Cellular and Molecular Neurobiology</i> , 2007 , 27, 529-40	4.6	30
40	Evidence that glutaric acid reduces glutamate uptake by cerebral cortex of infant rats. <i>Life Sciences</i> , 2007 , 81, 1668-76	6.8	30
39	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, 141-51	3.7	30
38	Glutaric acid administration impairs energy metabolism in midbrain and skeletal muscle of young rats. <i>Neurochemical Research</i> , 2005 , 30, 1123-31	4.6	29
37	Disruption of brain redox homeostasis in glutaryl-CoA dehydrogenase deficient mice treated with high dietary lysine supplementation. <i>Molecular Genetics and Metabolism</i> , 2013 , 108, 30-9	3.7	27
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	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
34	Neurochemical evidence that 3-methylglutaric acid inhibits synaptic Na ⁺ ,K ⁺ -ATPase activity probably through oxidative damage in brain cortex of young rats. <i>International Journal of Developmental Neuroscience</i> , 2011 , 29, 1-7	2.7	24
33	Marked reduction of Na ⁽⁺⁾ , K ⁽⁺⁾ -ATPase and creatine kinase activities induced by acute lysine administration in glutaryl-CoA dehydrogenase deficient mice. <i>Molecular Genetics and Metabolism</i> , 2012 , 107, 81-6	3.7	23
32	3-hydroxyglutaric acid enhances glutamate uptake into astrocytes from cerebral cortex of young rats. <i>Neurochemistry International</i> , 2004 , 44, 345-53	4.4	23

31	In vivo intracerebral administration of L-2-hydroxyglutaric acid provokes oxidative stress and histopathological alterations in striatum and cerebellum of adolescent rats. <i>Free Radical Biology and Medicine</i> , 2015 , 83, 201-13	7.8	21
30	Striatum is more vulnerable to oxidative damage induced by the metabolites accumulating in 3-hydroxy-3-methylglutaryl-CoA lyase deficiency as compared to liver. <i>International Journal of Developmental Neuroscience</i> , 2009 , 27, 351-6	2.7	20
29	Toxic synergism between quinolinic acid and organic acids accumulating in glutaric acidemia type I and in disorders of propionate metabolism in rat brain synaptosomes: Relevance for metabolic acidemias. <i>Neuroscience</i> , 2015 , 308, 64-74	3.9	19
28	Striatal neuronal death mediated by astrocytes from the Gcdh ^{-/-} mouse model of glutaric acidemia type I. <i>Human Molecular Genetics</i> , 2015 , 24, 4504-15	5.6	18
27	Evidence that the inhibitory effects of guanidinoacetate on the activities of the respiratory chain, Na ⁺ ,K ⁺ -ATPase and creatine kinase can be differentially prevented by taurine and vitamins E and C administration in rat striatum in vivo. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2007 , 1772, 568-9	6.9	17
26	Reactive nitrogen species mediate oxidative stress and astrogliosis provoked by in vivo administration of phytanic acid in cerebellum of adolescent rats: A potential contributing pathomechanism of cerebellar injury in peroxisomal disorders. <i>Neuroscience</i> , 2015 , 304, 122-32	3.9	16
25	Disturbance of energy and redox homeostasis and reduction of Na ⁺ ,K ⁺ -ATPase activity provoked by in vivo intracerebral administration of ethylmalonic acid to young rats. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2015 , 1852, 759-67	6.9	16
24	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
23	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, 501-15	5.4	16
22	Marked inhibition of Na ⁺ , K ⁽⁺⁾ -ATPase activity and the respiratory chain by phytanic acid in cerebellum from young rats: possible underlying mechanisms of cerebellar ataxia in Refsum disease. <i>Journal of Bioenergetics and Biomembranes</i> , 2013 , 45, 137-44	3.7	14
21	Experimental Evidence that 3-Methylglutaric Acid Disturbs Mitochondrial Function and Induced Oxidative Stress in Rat Brain Synaptosomes: New Converging Mechanisms. <i>Neurochemical Research</i> , 2016 , 41, 2619-2626	4.6	13
20	3-Methylcrotonylglycine disrupts mitochondrial energy homeostasis and inhibits synaptic Na ⁽⁺⁾ ,K ⁽⁺⁾ -ATPase activity in brain of young rats. <i>Cellular and Molecular Neurobiology</i> , 2012 , 32, 297-307	4.6	13
19	Ethylmalonic acid impairs brain mitochondrial succinate and malate transport. <i>Molecular Genetics and Metabolism</i> , 2012 , 105, 84-90	3.7	13
18	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
17	3-Hydroxy-3-methylglutaric and 3-methylglutaric acids impair redox status and energy production and transfer in rat heart: relevance for the pathophysiology of cardiac dysfunction in 3-hydroxy-3-methylglutaryl-coenzyme A lyase deficiency. <i>Free Radical Research</i> , 2016 , 50, 997-1010	4	13
16	Acute lysine overload provokes protein oxidative damage and reduction of antioxidant defenses in the brain of infant glutaryl-CoA dehydrogenase deficient mice: a role for oxidative stress in GA I neuropathology. <i>Journal of the Neurological Sciences</i> , 2014 , 344, 105-13	3.2	12
15	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, 137-46	4.6	12
14	Experimental evidence that bioenergetics disruption is not mainly involved in the brain injury of glutaryl-CoA dehydrogenase deficient mice submitted to lysine overload. <i>Brain Research</i> , 2015 , 1620, 116-29	3.7	12

13	Bradykinin-potentiating PEPTIDE-10C, an argininosuccinate synthetase activator, protects against HO-induced oxidative stress in SH-SY5Y neuroblastoma cells. <i>Peptides</i> , 2018 , 103, 90-97	3.8	11
12	Disruption of redox homeostasis in cerebral cortex of developing rats by acylcarnitines accumulating in medium-chain acyl-CoA dehydrogenase deficiency. <i>International Journal of Developmental Neuroscience</i> , 2012 , 30, 383-90	2.7	11
11	The effect of WIN 55,212-2 suggests a cannabinoid-sensitive component in the early toxicity induced by organic acids accumulating in glutaric acidemia type I and in related disorders of propionate metabolism in rat brain synaptosomes. <i>Neuroscience</i> , 2015 , 310, 578-88	3.9	10
10	Targeting mitochondria in melanoma: Interplay between MAPK signaling pathway and mitochondrial dynamics. <i>Biochemical Pharmacology</i> , 2020 , 178, 114104	6	9
9	Chronic early postnatal glutaric acid administration causes cognitive deficits in the water maze. <i>Behavioural Brain Research</i> , 2008 , 187, 411-6	3.4	9
8	Glycine intracerebroventricular administration disrupts mitochondrial energy homeostasis in cerebral cortex and striatum of young rats. <i>Neurotoxicity Research</i> , 2013 , 24, 502-11	4.3	8
7	Creatine administration prevents Na ⁺ ,K ⁺ -ATPase inhibition induced by intracerebroventricular administration of isovaleric acid in cerebral cortex of young rats. <i>Brain Research</i> , 2009 , 1262, 81-8	3.7	8
6	Pristanic acid provokes lipid, protein, and DNA oxidative damage and reduces the antioxidant defenses in cerebellum of young rats. <i>Cerebellum</i> , 2014 , 13, 751-9	4.3	7
5	Long Lasting High Lysine Diet Aggravates White Matter Injury in Glutaryl-CoA Dehydrogenase Deficient (Gcdh ^{-/-}) Mice. <i>Molecular Neurobiology</i> , 2019 , 56, 648-657	6.2	6
4	Lipopolysaccharide-Elicited Systemic Inflammation Induces Selective Vulnerability of Cerebral Cortex and Striatum of Developing Glutaryl-CoA Dehydrogenase Deficient (Gcdh) Mice to Oxidative Stress. <i>Neurotoxicity Research</i> , 2020 , 38, 1024-1036	4.3	4
3	Methylmalonic Acid Compromises Respiration and Reduces the Expression of Differentiation Markers of SH-SY5Y Human Neuroblastoma Cells. <i>ACS Chemical Neuroscience</i> , 2021 , 12, 2608-2618	5.7	0
2	Disruption of oxidative phosphorylation and synaptic Na ⁽⁺⁾ , K ⁽⁺⁾ -ATPase activity by pristanic acid in cerebellum of young rats. <i>Life Sciences</i> , 2014 , 94, 67-73	6.8	
1	Methylmalonic Acid Compromises Energy Metabolism and Decreases the Expression of Neuronal Differentiation Genes in SH-SY5Y Human Neuroblastoma Cells. <i>FASEB Journal</i> , 2020 , 34, 1-1	0.9	