

# Bianca Seminotti

## List of Publications by Year in descending order

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216  
papers

6,592  
citations

57681

46  
h-index

120465

65  
g-index

216  
all docs

216  
docs citations

216  
times ranked

5649  
citing authors

#	ARTICLE	IF	CITATIONS
1	Increased susceptibility to quinolinic acid-induced seizures and long-term changes in brain oscillations in an animal model of glutaric acidemia type I. <i>Journal of Neuroscience Research</i> , 2022, 100, 992-1007.	1.3	0
2	Plinia trunciflora Extract Administration Prevents HI-Induced Oxidative Stress, Inflammatory Response, Behavioral Impairments, and Tissue Damage in Rats. <i>Nutrients</i> , 2022, 14, 395.	1.7	2
3	Antioxidant system disturbances and mitochondrial dysfunction induced by 3-methylglutaric acid in rat heart are prevented by bezafibrate. <i>European Journal of Pharmacology</i> , 2022, 924, 174950.	1.7	4
4	Pathophysiology of maple syrup urine disease: Focus on the neurotoxic role of the accumulated branched-chain amino acids and branched-chain $\alpha$ -keto acids. <i>Neurochemistry International</i> , 2022, 157, 105360.	1.9	12
5	Clinical, biochemical and molecular findings of 24 Brazilian patients with glutaric acidemia type 1: 4 novel mutations in the GCDH gene. <i>Metabolic Brain Disease</i> , 2021, 36, 205-212.	1.4	7
6	The mitochondrial-targeted reactive species scavenger JP4-039 prevents sulfite-induced alterations in antioxidant defenses, energy transfer, and cell death signaling in striatum of rats. <i>Journal of Inherited Metabolic Disease</i> , 2021, 44, 481-491.	1.7	7
7	Insights from Animal Models on the Pathophysiology of Hyperphenylalaninemia: Role of Mitochondrial Dysfunction, Oxidative Stress and Inflammation. <i>Molecular Neurobiology</i> , 2021, 58, 2897-2909.	1.9	15
8	Ethylmalonic acid impairs bioenergetics by disturbing succinate and glutamate oxidation and induces mitochondrial permeability transition pore opening in rat cerebellum. <i>Journal of Neurochemistry</i> , 2021, 158, 262-281.	2.1	3
9	L-carnitine protects DNA oxidative damage induced by phenylalanine and its keto acid derivatives in neural cells: a possible pathomechanism and adjuvant therapy for brain injury in phenylketonuria. <i>Metabolic Brain Disease</i> , 2021, 36, 1957-1968.	1.4	4
10	S-adenosylmethionine induces mitochondrial dysfunction, permeability transition pore opening and redox imbalance in subcellular preparations of rat liver. <i>Journal of Bioenergetics and Biomembranes</i> , 2021, 53, 525-539.	1.0	3
11	Protective effects of L-carnitine on behavioral alterations and neuroinflammation in striatum of glutaryl-CoA dehydrogenase deficient mice. <i>Archives of Biochemistry and Biophysics</i> , 2021, 709, 108970.	1.4	5
12	Neuronal Death, Glial Reactivity, Microglia Activation, Oxidative Stress and Bioenergetics Impairment Caused by Intracerebroventricular Administration of D-2-hydroxyglutaric Acid to Neonatal Rats. <i>Neuroscience</i> , 2021, 471, 115-132.	1.1	8
13	Glutaric Acidemia Type 1: An Inherited Neurometabolic Disorder of Intoxication. , 2021, , 1-25.		1
14	Nuclear Factor Erythroid-2-Related Factor 2 Signaling in the Neuropathophysiology of Inherited Metabolic Disorders. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 785057.	1.8	19
15	Free Radical Scavengers Prevent Argininosuccinic Acid-Induced Oxidative Stress in the Brain of Developing Rats: a New Adjuvant Therapy for Argininosuccinate Lyase Deficiency?. <i>Molecular Neurobiology</i> , 2020, 57, 1233-1244.	1.9	10
16	3-Hydroxy-3-Methylglutaric Acid Impairs Redox and Energy Homeostasis, Mitochondrial Dynamics, and Endoplasmic Reticulum-Mitochondria Crosstalk in Rat Brain. <i>Neurotoxicity Research</i> , 2020, 37, 314-325.	1.3	9
17	Disturbance of mitochondrial functions associated with permeability transition pore opening induced by cis-5-tetradecenoic and myristic acids in liver of adolescent rats. <i>Mitochondrion</i> , 2020, 50, 1-13.	1.6	8
18	Elevated levels of BDNF and cathepsin-d as possible peripheral markers of neurodegeneration in plasma of patients with glutaric acidemia type I. <i>International Journal of Developmental Neuroscience</i> , 2020, 80, 42-49.	0.7	8

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19	Disruption of mitochondrial functions and oxidative stress contribute to neurologic dysfunction in organic acidurias. <i>Archives of Biochemistry and Biophysics</i> , 2020, 696, 108646.	1.4	11
20	Mitochondrial Dysfunction and Redox Homeostasis Impairment as Pathomechanisms of Brain Damage in Ethylmalonic Encephalopathy: Insights from Animal and Human Studies. <i>Cellular and Molecular Neurobiology</i> , 2020, , 1.	1.7	10
21	Lipopolysaccharide-Elicited Systemic Inflammation Induces Selective Vulnerability of Cerebral Cortex and Striatum of Developing Glutaryl-CoA Dehydrogenase Deficient (Gcdh <sup>-/-</sup> ) Mice to Oxidative Stress. <i>Neurotoxicity Research</i> , 2020, 38, 1024-1036.	1.3	8
22	Recent Advances in the Pathophysiology of Fatty Acid Oxidation Defects: Secondary Alterations of Bioenergetics and Mitochondrial Calcium Homeostasis Caused by the Accumulating Fatty Acids. <i>Frontiers in Genetics</i> , 2020, 11, 598976.	1.1	7
23	Guanosine Neuroprotection of Presynaptic Mitochondrial Calcium Homeostasis in a Mouse Study with Amyloid- $\beta$ Oligomers. <i>Molecular Neurobiology</i> , 2020, 57, 4790-4809.	1.9	14
24	In vivo evidence that bezafibrate prevents oxidative stress and mitochondrial dysfunction caused by 3-methylglutaric acid in rat liver. <i>Biochimie</i> , 2020, 171-172, 187-196.	1.3	10
25	Disturbance of bioenergetics and calcium homeostasis provoked by metabolites accumulating in propionic acidemia in heart mitochondria of developing rats. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020, 1866, 165682.	1.8	11
26	Disruption of Brain Redox Homeostasis, Microglia Activation and Neuronal Damage Induced by Intracerebroventricular Administration of S-Adenosylmethionine to Developing Rats. <i>Molecular Neurobiology</i> , 2019, 56, 2760-2773.	1.9	16
27	Long Lasting High Lysine Diet Aggravates White Matter Injury in Glutaryl-CoA Dehydrogenase Deficient (Gcdh <sup>-/-</sup> ) Mice. <i>Molecular Neurobiology</i> , 2019, 56, 648-657.	1.9	9
28	Reticular Dysgenesis and Mitochondriopathy Induced by Adenylate Kinase 2 Deficiency with Atypical Presentation. <i>Scientific Reports</i> , 2019, 9, 15739.	1.6	14
29	ETHE1 and MOCS1 deficiencies: Disruption of mitochondrial bioenergetics, dynamics, redox homeostasis and endoplasmic reticulum-mitochondria crosstalk in patient fibroblasts. <i>Scientific Reports</i> , 2019, 9, 12651.	1.6	28
30	Anandamide Reduces the Toxic Synergism Exerted by Quinolinic Acid and Glutaric Acid in Rat Brain Neuronal Cells. <i>Neuroscience</i> , 2019, 401, 84-95.	1.1	11
31	Acute lysine overload provokes marked striatum injury involving oxidative stress signaling pathways in glutaryl-CoA dehydrogenase deficient mice. <i>Neurochemistry International</i> , 2019, 129, 104467.	1.9	10
32	Pathogenesis of brain damage in glutaric acidemia type I: Lessons from the genetic mice model. <i>International Journal of Developmental Neuroscience</i> , 2019, 78, 215-221.	0.7	17
33	L-Carnitine prevents oxidative stress in striatum of glutaryl-CoA dehydrogenase deficient mice submitted to lysine overload. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019, 1865, 2420-2427.	1.8	10
34	Prevention by L-carnitine of DNA damage induced by 3-hydroxy-3-methylglutaric and 3-methylglutaric acids and experimental evidence of lipid and DNA damage in patients with 3-hydroxy-3-methylglutaric aciduria. <i>Archives of Biochemistry and Biophysics</i> , 2019, 668, 16-22.	1.4	5
35	Neurological manifestations of organic acidurias. <i>Nature Reviews Neurology</i> , 2019, 15, 253-271.	4.9	43
36	Bezafibrate In Vivo Administration Prevents 3-Methylglutaric Acid-Induced Impairment of Redox Status, Mitochondrial Biogenesis, and Neural Injury in Brain of Developing Rats. <i>Neurotoxicity Research</i> , 2019, 35, 809-822.	1.3	12

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37	Mitochondrial energetics is impaired in very long-chain acyl-CoA dehydrogenase deficiency and can be rescued by treatment with mitochondria-targeted electron scavengers. <i>Human Molecular Genetics</i> , 2019, 28, 928-941.	1.4	41
38	Evidence that thiol group modification and reactive oxygen species are involved in hydrogen sulfide-induced mitochondrial permeability transition pore opening in rat cerebellum. <i>Mitochondrion</i> , 2019, 47, 141-150.	1.6	7
39	The Role of Oxidative Stress and Bioenergetic Dysfunction in Sulfite Oxidase Deficiency: Insights from Animal Models. <i>Neurotoxicity Research</i> , 2019, 35, 484-494.	1.3	22
40	Bezafibrate Prevents Glycine-Induced Increase of Antioxidant Enzyme Activities in Rat Striatum. <i>Molecular Neurobiology</i> , 2019, 56, 29-38.	1.9	10
41	Metabolite accumulation in VLCAD deficiency markedly disrupts mitochondrial bioenergetics and Ca <sup>2+</sup> homeostasis in the heart. <i>FEBS Journal</i> , 2018, 285, 1437-1455.	2.2	19
42	Induction of Neuroinflammatory Response and Histopathological Alterations Caused by Quinolinic Acid Administration in the Striatum of Glutaryl-CoA Dehydrogenase Deficient Mice. <i>Neurotoxicity Research</i> , 2018, 33, 593-606.	1.3	6
43	Experimental Evidence that In Vivo Intracerebral Administration of L-2-Hydroxyglutaric Acid to Neonatal Rats Provokes Disruption of Redox Status and Histopathological Abnormalities in the Brain. <i>Neurotoxicity Research</i> , 2018, 33, 681-692.	1.3	16
44	Evaluation of mitochondrial bioenergetics, dynamics, endoplasmic reticulum-mitochondria crosstalk, and reactive oxygen species in fibroblasts from patients with complex I deficiency. <i>Scientific Reports</i> , 2018, 8, 1165.	1.6	47
45	Glycine Administration Alters MAPK Signaling Pathways and Causes Neuronal Damage in Rat Brain: Putative Mechanisms Involved in the Neurological Dysfunction in Nonketotic Hyperglycinemia. <i>Molecular Neurobiology</i> , 2018, 55, 741-750.	1.9	10
46	S-Adenosylmethionine Promotes Oxidative Stress and Decreases Na <sup>+</sup> , K <sup>+</sup> -ATPase Activity in Cerebral Cortex Supernatants of Adolescent Rats: Implications for the Pathogenesis of S-Adenosylhomocysteine Hydrolase Deficiency. <i>Molecular Neurobiology</i> , 2018, 55, 5868-5878.	1.9	9
47	Toxic Synergism Between Quinolinic Acid and Glutamic Acid in Neuronal Cells Is Mediated by Oxidative Stress: Insights to a New Toxic Model. <i>Molecular Neurobiology</i> , 2018, 55, 5362-5376.	1.9	11
48	Chronic Exposure to Î²-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
49	Evidence that Thiosulfate Inhibits Creatine Kinase Activity in Rat Striatum via Thiol Group Oxidation. <i>Neurotoxicity Research</i> , 2018, 34, 693-705.	1.3	18
50	Oxidative damage in glutaric aciduria type I patients and the protective effects of l-carnitine treatment. <i>Journal of Cellular Biochemistry</i> , 2018, 119, 10021-10032.	1.2	30
51	Experimental evidence of oxidative stress in patients with l-2-hydroxyglutaric aciduria and that l-carnitine attenuates in vitro DNA damage caused by d-2-hydroxyglutaric and l-2-hydroxyglutaric acids. <i>Toxicology in Vitro</i> , 2017, 42, 47-53.	1.1	26
52	Disruption of Energy Transfer and Redox Status by Sulfite in Hippocampus, Striatum, and Cerebellum of Developing Rats. <i>Neurotoxicity Research</i> , 2017, 32, 264-275.	1.3	11
53	Î±-Ketoacidic Acid and Î±-Aminoacidic Acid Cause Disturbance of Glutamatergic Neurotransmission and Induction of Oxidative Stress In Vitro in Brain of Adolescent Rats. <i>Neurotoxicity Research</i> , 2017, 32, 276-290.	1.3	15
54	Bezafibrate prevents mitochondrial dysfunction, antioxidant system disturbance, glial reactivity and neuronal damage induced by sulfite administration in striatum of rats: Implications for a possible therapeutic strategy for sulfite oxidase deficiency. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2017, 1863, 2135-2148.	1.8	42

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55	Mevalonolactone disrupts mitochondrial functions and induces permeability transition pore opening in rat brain mitochondria: Implications for the pathogenesis of mevalonic aciduria. <i>Neurochemistry International</i> , 2017, 108, 133-145.	1.9	8
56	Impairment of GABAergic system contributes to epileptogenesis in glutaric acidemia type I. <i>Epilepsia</i> , 2017, 58, 1771-1781.	2.6	12
57	Higher Vulnerability of Menadione-Exposed Cortical Astrocytes of Glutaryl-CoA Dehydrogenase Deficient Mice to Oxidative Stress, Mitochondrial Dysfunction, and Cell Death: Implications for the Neurodegeneration in Glutaric Aciduria Type I. <i>Molecular Neurobiology</i> , 2017, 54, 4795-4805.	1.9	7
58	2-Methylcitric acid impairs glutamate metabolism and induces permeability transition in brain mitochondria. <i>Journal of Neurochemistry</i> , 2016, 137, 62-75.	2.1	27
59	Mitochondrial dysfunction in fatty acid oxidation disorders: insights from human and animal studies. <i>Bioscience Reports</i> , 2016, 36, e00281.	1.1	138
60	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.	1.5	19
61	Ornithine and Homocitrulline Impair Mitochondrial Function, Decrease Antioxidant Defenses and Induce Cell Death in Menadione-Stressed Rat Cortical Astrocytes: Potential Mechanisms of Neurological Dysfunction in HHH Syndrome. <i>Neurochemical Research</i> , 2016, 41, 2190-2198.	1.6	14
62	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.	1.6	15
63	Oxidative Stress, Disrupted Energy Metabolism, and Altered Signaling Pathways in Glutaryl-CoA Dehydrogenase Knockout Mice: Potential Implications of Quinolinic Acid Toxicity in the Neuropathology of Glutaric Acidemia Type I. <i>Molecular Neurobiology</i> , 2016, 53, 6459-6475.	1.9	35
64	Induction of a Proinflammatory Response in Cortical Astrocytes by the Major Metabolites Accumulating in HMG-CoA Lyase Deficiency: the Role of ERK Signaling Pathway in Cytokine Release. <i>Molecular Neurobiology</i> , 2016, 53, 3586-3595.	1.9	15
65	Intracerebral Glycine Administration Impairs Energy and Redox Homeostasis and Induces Glial Reactivity in Cerebral Cortex of Newborn Rats. <i>Molecular Neurobiology</i> , 2016, 53, 5864-5875.	1.9	16
66	Deregulation of mitochondrial functions provoked by long-chain fatty acid accumulating in long-chain 3-hydroxyacyl-CoA dehydrogenase and mitochondrial permeability transition deficiencies in rat heart – mitochondrial permeability transition pore opening as a potential contributing pathomechanism of cardiac alterations in these disorders. <i>FEBS Journal</i> , 2015, 282, 4714-4726.	2.2	17
67	Investigation of inflammatory profile in MSUD patients: benefit of L-carnitine supplementation. <i>Metabolic Brain Disease</i> , 2015, 30, 1167-1174.	1.4	29
68	Striatal neuronal death mediated by astrocytes from the Gcdh <sup>-/-</sup> mouse model of glutaric acidemia type I. <i>Human Molecular Genetics</i> , 2015, 24, 4504-4515.	1.4	25
69	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, 116-129.	1.1	13
70	Disturbance of redox homeostasis as a contributing underlying pathomechanism of brain and liver alterations in 3-hydroxy-3-methylglutaryl-CoA lyase deficiency. <i>Journal of Inherited Metabolic Disease</i> , 2015, 38, 1021-1028.	1.7	18
71	Disturbance of energy and redox homeostasis and reduction of Na <sup>+</sup> ,K <sup>+</sup> -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, 759-767.	1.8	16
72	Increased oxidative stress in patients with 3-hydroxy-3-methylglutaric aciduria. <i>Molecular and Cellular Biochemistry</i> , 2015, 402, 149-155.	1.4	25

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73	NMDA Receptors and Oxidative Stress Induced by the Major Metabolites Accumulating in HMG Lyase Deficiency Mediate Hypophosphorylation of Cytoskeletal Proteins in Brain From Adolescent Rats: Potential Mechanisms Contributing to the Neuropathology of This Disease. <i>Neurotoxicity Research</i> , 2015, 28, 239-252.	1.3	7
74	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, 122-132.	1.1	22
75	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, 201-213.	1.3	24
76	Ornithine In Vivo Administration Disrupts Redox Homeostasis and Decreases Synaptic Na <sup>+</sup> , K <sup>+</sup> -ATPase Activity in Cerebellum of Adolescent Rats: Implications for the Pathogenesis of Hyperornithinemia-Hyperammonemia-Homocitrullinuria (HHH) Syndrome. <i>Cellular and Molecular Neurobiology</i> , 2015, 35, 797-806.	1.7	4
77	Evidence that 3-hydroxy-3-methylglutaric and 3-methylglutaric acids induce DNA damage in rat striatum. <i>Metabolic Brain Disease</i> , 2015, 30, 1055-1062.	1.4	8
78	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.	1.1	23
79	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, 578-588.	1.1	14
80	Experimental evidence that overexpression of NR2B glutamate receptor subunit is associated with brain vacuolation in adult glutaryl-CoA dehydrogenase deficient mice: A potential role for glutamatergic-induced excitotoxicity in GA I neuropathology. <i>Journal of the Neurological Sciences</i> , 2015, 359, 133-140.	0.3	14
81	Pristanic Acid Provokes Lipid, Protein, and DNA Oxidative Damage and Reduces the Antioxidant Defenses in Cerebellum of Young Rats. <i>Cerebellum</i> , 2014, 13, 751-759.	1.4	8
82	Homocysteine contribution to DNA damage in cystathionine $\beta$ -synthase-deficient patients. <i>Gene</i> , 2014, 539, 270-274.	1.0	17
83	Ethylmalonic Acid Induces Permeability Transition in Isolated Brain Mitochondria. <i>Neurotoxicity Research</i> , 2014, 26, 168-178.	1.3	11
84	Sulfite disrupts brain mitochondrial energy homeostasis and induces mitochondrial permeability transition pore opening via thiol group modification. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2014, 1842, 1413-1422.	1.8	31
85	l-carnitine supplementation as a potential antioxidant therapy for inherited neurometabolic disorders. <i>Gene</i> , 2014, 533, 469-476.	1.0	180
86	Disturbance of the glutamatergic system by glutaric acid in striatum and cerebral cortex of glutaryl-CoA dehydrogenase-deficient knockout mice: Possible implications for the neuropathology of glutaric acidemia type I. <i>Journal of the Neurological Sciences</i> , 2014, 346, 260-267.	0.3	11
87	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, 105-113.	0.3	14
88	Disruption of redox homeostasis and histopathological alterations caused by in vivo intrastriatal administration of D-2-hydroxyglutaric acid to young rats. <i>Neuroscience</i> , 2014, 277, 281-293.	1.1	12
89	Evidence that glycine induces lipid peroxidation and decreases glutathione concentrations in rat cerebellum. <i>Molecular and Cellular Biochemistry</i> , 2014, 395, 125-134.	1.4	9
90	Disruption of oxidative phosphorylation and synaptic Na <sup>+</sup> , K <sup>+</sup> -ATPase activity by pristanic acid in cerebellum of young rats. <i>Life Sciences</i> , 2014, 94, 67-73.	2.0	0



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91	Mitochondrial bioenergetics deregulation caused by long-chain 3-hydroxy fatty acids accumulating in LCHAD and MTP deficiencies in rat brain: A possible role of mPTP opening as a pathomechanism in these disorders?. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2014, 1842, 1658-1667.	1.8	22
92	Increased Glutamate Receptor and Transporter Expression in the Cerebral Cortex and Striatum of <i>Gcdh</i> <sup>-/-</sup> Mice: Possible Implications for the Neuropathology of Glutaric Acidemia Type I. <i>PLoS ONE</i> , 2014, 9, e90477.	1.1	22
93	Glycine Intracerebroventricular Administration Disrupts Mitochondrial Energy Homeostasis in Cerebral Cortex and Striatum of Young Rats. <i>Neurotoxicity Research</i> , 2013, 24, 502-511.	1.3	12
94	Long-chain 3-hydroxy fatty acids accumulating in long-chain 3-hydroxyacyl-CoA dehydrogenase and mitochondrial trifunctional protein deficiencies uncouple oxidative phosphorylation in heart mitochondria. <i>Journal of Bioenergetics and Biomembranes</i> , 2013, 45, 47-57.	1.0	39
95	Marked inhibition of Na <sup>+</sup> , K <sup>+</sup> - 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, 137-144.	1.0	14
96	Neurodevelopmental and cognitive behavior of glutaryl-CoA dehydrogenase deficient knockout mice. <i>Life Sciences</i> , 2013, 92, 137-142.	2.0	10
97	Disturbance of brain energy and redox homeostasis provoked by sulfite and thiosulfate: Potential pathomechanisms involved in the neuropathology of sulfite oxidase deficiency. <i>Gene</i> , 2013, 531, 191-198.	1.0	35
98	Redox homeostasis is compromised in vivo by the metabolites accumulating in 3-hydroxy-3-methylglutaryl-CoA lyase deficiency in rat cerebral cortex and liver. <i>Free Radical Research</i> , 2013, 47, 1066-1075.	1.5	21
99	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, 30-39.	0.5	29
100	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
101	In vivo experimental evidence that the major metabolites accumulating in 3-hydroxy-3-methylglutaryl-CoA lyase deficiency induce oxidative stress in striatum of developing rats: A potential pathophysiological mechanism of striatal damage in this disorder. <i>Molecular Genetics and Metabolism</i> , 2013, 109, 144-153.	0.5	23
102	Disturbance of redox homeostasis by ornithine and homocitrulline in rat cerebellum: A possible mechanism of cerebellar dysfunction in HHH syndrome. <i>Life Sciences</i> , 2013, 93, 161-168.	2.0	17
103	Disruption of Mitochondrial Homeostasis by Phytanic Acid in Cerebellum of Young Rats. <i>Cerebellum</i> , 2013, 12, 362-369.	1.4	16
104	Resveratrol Protects C6 Astrocyte Cell Line against Hydrogen Peroxide-Induced Oxidative Stress through Heme Oxygenase 1. <i>PLoS ONE</i> , 2013, 8, e64372.	1.1	114
105	Chronic postnatal ornithine administration to rats provokes learning deficit in the open field task. <i>Metabolic Brain Disease</i> , 2012, 27, 479-486.	1.4	4
106	Impairment of brain redox homeostasis caused by the major metabolites accumulating in hyperornithinemiaâ€“hyperammonemiaâ€“homocitrullinuria syndrome in vivo. <i>Metabolic Brain Disease</i> , 2012, 27, 521-530.	1.4	11
107	Marked reduction of Na <sup>+</sup> , K <sup>+</sup> -ATPase and creatine kinase activities induced by acute lysine administration in glutaryl-CoA dehydrogenase deficient mice. <i>Molecular Genetics and Metabolism</i> , 2012, 107, 81-86.	0.5	24
108	Reduction of Na <sup>+</sup> , K <sup>+</sup> -ATPase activity and expression in cerebral cortex of glutaryl-CoA dehydrogenase deficient mice: A possible mechanism for brain injury in glutaric aciduria type I. <i>Molecular Genetics and Metabolism</i> , 2012, 107, 375-382.	0.5	24

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109	Ethylmalonic acid impairs brain mitochondrial succinate and malate transport. <i>Molecular Genetics and Metabolism</i> , 2012, 105, 84-90.	0.5	15
110	Induction of oxidative stress in brain of glutaryl-CoA dehydrogenase deficient mice by acute lysine administration. <i>Molecular Genetics and Metabolism</i> , 2012, 106, 31-38.	0.5	29
111	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, 383-390.	0.7	15
112	Phytanic acid disturbs mitochondrial homeostasis in heart of young rats: a possible pathomechanism of cardiomyopathy in Refsum disease. <i>Molecular and Cellular Biochemistry</i> , 2012, 366, 335-343.	1.4	13
113	Experimental evidence that pristanic acid disrupts mitochondrial homeostasis in brain of young rats. <i>Journal of Neuroscience Research</i> , 2012, 90, 597-605.	1.3	8
114	Oxidative Stress Parameters in Urine from Patients with Disorders of Propionate Metabolism: a Beneficial Effect of l-Carnitine Supplementation. <i>Cellular and Molecular Neurobiology</i> , 2012, 32, 77-82.	1.7	30
115	3-Methylcrotonylglycine Disrupts Mitochondrial Energy Homeostasis and Inhibits Synaptic Na <sup>+</sup> ,K <sup>+</sup> -ATPase Activity in Brain of Young Rats. <i>Cellular and Molecular Neurobiology</i> , 2012, 32, 297-307.	1.7	15
116	Neurochemical evidence that 3-methylglutaric acid inhibits synaptic Na <sup>+</sup> ,K <sup>+</sup> -ATPase activity probably through oxidative damage in brain cortex of young rats. <i>International Journal of Developmental Neuroscience</i> , 2011, 29, 1-7.	0.7	27
117	Glycine intrastratial administration induces lipid and protein oxidative damage and alters the enzymatic antioxidant defenses in rat brain. <i>Life Sciences</i> , 2011, 89, 276-281.	2.0	12
118	Dual mechanism of brain damage induced in vivo by the major metabolites accumulating in hyperornithinemia-hyperammonemia-homocitrullinuria syndrome. <i>Brain Research</i> , 2011, 1369, 235-244.	1.1	15
119	Pristanic acid promotes oxidative stress in brain cortex of young rats: A possible pathophysiological mechanism for brain damage in peroxisomal disorders. <i>Brain Research</i> , 2011, 1382, 259-265.	1.1	16
120	Disruption of mitochondrial homeostasis in organic acidurias: insights from human and animal studies. <i>Journal of Bioenergetics and Biomembranes</i> , 2011, 43, 31-38.	1.0	71
121	Mitochondrial energy metabolism in neurodegeneration associated with methylmalonic acidemia. <i>Journal of Bioenergetics and Biomembranes</i> , 2011, 43, 39-46.	1.0	62
122	Experimental Evidence that Methylmalonic Acid Provokes Oxidative Damage and Compromises Antioxidant Defenses in Nerve Terminal and Striatum of Young Rats. <i>Cellular and Molecular Neurobiology</i> , 2011, 31, 775-785.	1.7	49
123	Oxidative Stress in Phenylketonuria: What is the Evidence?. <i>Cellular and Molecular Neurobiology</i> , 2011, 31, 653-662.	1.7	67
124	Neurochemical Evidence that Lysine Inhibits Synaptic Na <sup>+</sup> ,K <sup>+</sup> -ATPase Activity and Provokes Oxidative Damage in Striatum of Young Rats In vivo. <i>Neurochemical Research</i> , 2011, 36, 205-214.	1.6	10
125	Neurochemical Evidence that Pristanic Acid Impairs Energy Production and Inhibits Synaptic Na <sup>+</sup> ,K <sup>+</sup> -ATPase Activity in Brain of Young Rats. <i>Neurochemical Research</i> , 2011, 36, 1101-1107.	1.6	10
126	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



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127	Induction of S100B secretion in C6 astroglial cells by the major metabolites accumulating in glutaric acidemia type I. <i>Metabolic Brain Disease</i> , 2010, 25, 191-198.	1.4	13
128	Evidence that 2-methylacetoacetate induces oxidative stress in rat brain. <i>Metabolic Brain Disease</i> , 2010, 25, 261-267.	1.4	7
129	Promotion of Lipid and Protein Oxidative Damage in Rat Brain by Ethylmalonic Acid. <i>Neurochemical Research</i> , 2010, 35, 298-305.	1.6	15
130	Î±-Ketoisocaproic acid and leucine provoke mitochondrial bioenergetic dysfunction in rat brain. <i>Brain Research</i> , 2010, 1324, 75-84.	1.1	75
131	In vitro evidence that phytanic acid compromises Na <sup>+</sup> ,K <sup>+</sup> -ATPase activity and the electron flow through the respiratory chain in brain cortex from young rats. <i>Brain Research</i> , 2010, 1352, 231-238.	1.1	24
132	An overview of L-2-hydroxyglutarate dehydrogenase gene (L2HGDH) variants: a genotype-phenotype study. <i>Human Mutation</i> , 2010, 31, 380-390.	1.1	108
133	Prevention by l-carnitine of DNA damage induced by propionic and l-methylmalonic acids in human peripheral leukocytes in vitro. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2010, 702, 123-128.	0.9	49
134	Neurochemical evidence that glycine induces bioenergetical dysfunction. <i>Neurochemistry International</i> , 2010, 56, 948-954.	1.9	21
135	Reduction of lipid and protein damage in patients with disorders of propionate metabolism under treatment: a possible protective role of l-carnitine supplementation. <i>International Journal of Developmental Neuroscience</i> , 2010, 28, 127-132.	0.7	45
136	D-Serine administration provokes lipid oxidation and decreases the antioxidant defenses in rat striatum. <i>International Journal of Developmental Neuroscience</i> , 2010, 28, 297-301.	0.7	9
137	Disturbance of mitochondrial energy homeostasis caused by the metabolites accumulating in LCHAD and MTP deficiencies in rat brain. <i>Life Sciences</i> , 2010, 86, 825-831.	2.0	30
138	Neurochemical evidence that phytanic acid induces oxidative damage and reduces the antioxidant defenses in cerebellum and cerebral cortex of rats. <i>Life Sciences</i> , 2010, 87, 275-280.	2.0	33
139	D-Serine induces lipid and protein oxidative damage and decreases glutathione levels in brain cortex of rats. <i>Brain Research</i> , 2009, 1256, 34-42.	1.1	11
140	Creatine administration prevents Na <sup>+</sup> ,K <sup>+</sup> -ATPase inhibition induced by intracerebroventricular administration of isovaleric acid in cerebral cortex of young rats. <i>Brain Research</i> , 2009, 1262, 81-88.	1.1	9
141	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
142	Evidence that the major metabolites accumulating in medium-chain acyl-CoA dehydrogenase deficiency disturb mitochondrial energy homeostasis in rat brain. <i>Brain Research</i> , 2009, 1296, 117-126.	1.1	33
143	In vitro evidence that d-serine disturbs the citric acid cycle through inhibition of citrate synthase activity in rat cerebral cortex. <i>Brain Research</i> , 2009, 1298, 186-193.	1.1	8
144	Inhibition of creatine kinase activity by lysine in rat cerebral cortex. <i>Metabolic Brain Disease</i> , 2009, 24, 349-360.	1.4	10

#	ARTICLE	IF	CITATIONS
145	L-Carnitine Blood Levels and Oxidative Stress in Treated Phenylketonuric Patients. Cellular and Molecular Neurobiology, 2009, 29, 211-218.	1.7	59
146	Glycine Provokes Lipid Oxidative Damage and Reduces the Antioxidant Defenses in Brain Cortex of Young Rats. Cellular and Molecular Neurobiology, 2009, 29, 253-261.	1.7	24
147	<sc>l</sc>-2-Hydroxyglutaric Aciduria: Pattern of MR Imaging Abnormalities in 56 Patients. Radiology, 2009, 251, 856-865.	3.6	90
148	Selective screening for organic acidemias by urine organic acid GC-MS analysis in Brazil: Fifteen-year experience. Clinica Chimica Acta, 2009, 400, 77-81.	0.5	47
149	Effect of short- and long-term exposition to high phenylalanine blood levels on oxidative damage in phenylketonuric patients. International Journal of Developmental Neuroscience, 2009, 27, 243-247.	0.7	52
150	Striatum is more vulnerable to oxidative damage induced by the metabolites accumulating in 3-hydroxy-3-methylglutaryl-CoA lyase deficiency as compared to liver. International Journal of Developmental Neuroscience, 2009, 27, 351-356.	0.7	22
151	Evidence that the major metabolites accumulating in hyperornithinemia-hyperammonemia-homocitrullinuria syndrome induce oxidative stress in brain of young rats. International Journal of Developmental Neuroscience, 2009, 27, 635-641.	0.7	9
152	Evidence that DNA damage is associated to phenylalanine blood levels in leukocytes from phenylketonuric patients. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2009, 679, 13-16.	0.9	41
153	Influence of ketone bodies on oxidative stress parameters in brain of developing rats in vitro. Metabolic Brain Disease, 2008, 23, 411-425.	1.4	10
154	Inhibition of Brain Energy Metabolism by the Branched-chain Amino Acids Accumulating in Maple Syrup Urine Disease. Neurochemical Research, 2008, 33, 114-124.	1.6	56
155	Evidence that 3-hydroxy-3-methylglutaric acid promotes lipid and protein oxidative damage and reduces the nonenzymatic antioxidant defenses in rat cerebral cortex. Journal of Neuroscience Research, 2008, 86, 683-693.	1.3	29
156	Astrocytic proliferation and mitochondrial dysfunction induced by accumulated glutaric acidemia I (GAI) metabolites: Possible implications for GAI pathogenesis. Neurobiology of Disease, 2008, 32, 528-534.	2.1	45
157	Lysine induces lipid and protein damage and decreases reduced glutathione concentrations in brain of young rats. International Journal of Developmental Neuroscience, 2008, 26, 693-698.	0.7	18
158	Induction of oxidative stress by the metabolites accumulating in 3-methylglutaconic aciduria in cerebral cortex of young rats. Life Sciences, 2008, 82, 652-662.	2.0	35
159	Induction of oxidative stress by the metabolites accumulating in isovaleric acidemia in brain cortex of young rats. Free Radical Research, 2008, 42, 707-715.	1.5	22
160	Evidence that glutaric acid reduces glutamate uptake by cerebral cortex of infant rats. Life Sciences, 2007, 81, 1668-1676.	2.0	31
161	Î³-Hydroxybutyric acid induces oxidative stress in cerebral cortex of young rats. Neurochemistry International, 2007, 50, 564-570.	1.9	42
162	Evidence for a synergistic action of glutaric and 3-hydroxyglutaric acids disturbing rat brain energy metabolism. International Journal of Developmental Neuroscience, 2007, 25, 391-398.	0.7	36

#	ARTICLE	IF	CITATIONS
163	Effect of the branched-chain $\alpha$ -keto acids accumulating in maple syrup urine disease on S100B release from glial cells. <i>Journal of the Neurological Sciences</i> , 2007, 260, 87-94.	0.3	19
164	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
165	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
166	Isovaleric Acid Reduces Na <sup>+</sup> , K <sup>+</sup> -ATPase Activity in Synaptic Membranes from Cerebral Cortex of Young Rats. <i>Cellular and Molecular Neurobiology</i> , 2007, 27, 529-540.	1.7	39
167	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
168	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
169	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
170	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
171	Natural History, Outcome, and Treatment Efficacy in Children and Adults with Glutaryl-CoA Dehydrogenase Deficiency. <i>Pediatric Research</i> , 2006, 59, 840-847.	1.1	224
172	Glutaric Acid Administration Impairs Energy Metabolism in Midbrain and Skeletal Muscle of Young Rats. <i>Neurochemical Research</i> , 2005, 30, 1123-1131.	1.6	31
173	Glutaric acid moderately compromises energy metabolism in rat brain. <i>International Journal of Developmental Neuroscience</i> , 2005, 23, 687-693.	0.7	25
174	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
175	Mitochondrial permeability transition in neuronal damage promoted by Ca <sup>2+</sup> and respiratory chain complex II inhibition. <i>Journal of Neurochemistry</i> , 2004, 90, 1025-1035.	2.1	79
176	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
177	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, 1087-1094.	1.9	42
178	Glutaric acid stimulates glutamate binding and astrocytic uptake and inhibits vesicular glutamate uptake in forebrain from young rats. <i>Neurochemistry International</i> , 2004, 45, 1075-1086.	1.9	33
179	Inhibition of creatine kinase activity from rat cerebral cortex by $\alpha$ -2-hydroxyglutaric acid in vitro. <i>Neurochemistry International</i> , 2004, 44, 45-52.	1.9	42
180	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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181	Inhibition of mitochondrial creatine kinase activity by D-2-hydroxyglutaric acid in cerebellum of young rats. <i>Neurochemical Research</i> , 2003, 28, 1329-1337.	1.6	5
182	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
183	Ethylmalonic acid inhibits mitochondrial creatine kinase activity from cerebral cortex of young rats in vitro. <i>Neurochemical Research</i> , 2003, 28, 771-777.	1.6	28
184	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
185	Glutaric acid induces oxidative stress in brain of young rats. <i>Brain Research</i> , 2003, 964, 153-158.	1.1	79
186	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
187	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
188	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
189	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, 232-238.	1.8	79
190	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
191	L-2-Hydroxyglutaric acid inhibits mitochondrial creatine kinase activity from cerebellum of developing rats. <i>International Journal of Developmental Neuroscience</i> , 2003, 21, 217-224.	0.7	29
192	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
193	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
194	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
195	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
196	3-hydroxyglutaric acid induces oxidative stress and decreases the antioxidant defenses in cerebral cortex of young rats. <i>Brain Research</i> , 2002, 956, 367-373.	1.1	63
197	Chronic treatment with glutaric acid induces partial tolerance to excitotoxicity in neuronal cultures from chick embryo telencephalons. <i>Journal of Neuroscience Research</i> , 2002, 68, 424-431.	1.3	53
198	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

#	ARTICLE	IF	CITATIONS
199	Inhibition of the mitochondrial respiratory chain by phenylalanine in rat cerebral cortex. <i>Neurochemical Research</i> , 2002, 27, 353-357.	1.6	37
200	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
201	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
202	Inhibition of creatine kinase activity in vitro by ethylmalonic acid in cerebral cortex of young rats. <i>Neurochemical Research</i> , 2002, 27, 1633-1639.	1.6	40
203	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
204	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
205	Intrastriatal administration of 3-hydroxyglutaric acid induces convulsions and striatal lesions in rats. <i>Brain Research</i> , 2001, 916, 70-75.	1.1	41
206	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
207	Methylmalonate administration decreases Na+,K+-ATPase activity in cerebral cortex of rats. <i>NeuroReport</i> , 2000, 11, 2331-2334.	0.6	119
208	Propionic and L-methylmalonic acids induce oxidative stress in brain of young rats. <i>NeuroReport</i> , 2000, 11, 541-544.	0.6	82
209	Methylmalonic and propionic acids increase the in vitro incorporation of into cytoskeletal proteins from cerebral cortex of young rats through NMDA glutamate receptors. <i>Brain Research</i> , 2000, 856, 111-118.	1.1	26
210	Inhibition of synaptosomal [3H]glutamate uptake and [3H]glutamate binding to plasma membranes from brain of young rats by glutaric acid in vitro. <i>Journal of the Neurological Sciences</i> , 2000, 173, 93-96.	0.3	52
211	Effect of Chemically Induced Propionic Acidemia on Neurobehavioral Development of Rats. <i>Pharmacology Biochemistry and Behavior</i> , 1999, 64, 529-534.	1.3	56
212	Pharmacological evidence for GABAergic and glutamatergic involvement in the convulsant and behavioral effects of glutaric acid. <i>Brain Research</i> , 1998, 802, 55-60.	1.1	47
213	Inhibition of Na+,K+-ATPase from rat brain cortex by propionic acid. <i>NeuroReport</i> , 1998, 9, 1719-1721.	0.6	52
214	Intrastriatal methylmalonic acid administration induces rotational behavior and convulsions through glutamatergic mechanisms. <i>Brain Research</i> , 1996, 721, 120-125.	1.1	69
215	2-Hydroxybutyrate and 4-hydroxybutyrate inhibit CO <sub>2</sub> formation from labeled substrates by rat cerebral cortex. <i>Biochemical Society Transactions</i> , 1995, 23, 228S-228S.	1.6	13
216	Disturbance of Mitochondrial Dynamics, Endoplasmic Reticulum-Mitochondria Crosstalk, Redox Homeostasis, and Inflammatory Response in the Brain of Glutaryl-CoA Dehydrogenase-Deficient Mice: Neuroprotective Effects of Bezafibrate. <i>Molecular Neurobiology</i> , 0, , .	1.9	4