Juan Bolanos

List of Publications by Year
in descending order

147 papers	12,102 citations	26630 56 h-index	27406 106 g-index
155 all docs	155 docs citations	155 times ranked	13526 citing authors

#	Article	IF	Citations
1	Aberrant upregulation of the glycolytic enzyme PFKFB3 in CLN7 neuronal ceroid lipofuscinosis. Nature Communications, 2022, 13, 536.	12.8	14
2	Amyloid-Î² Induces Cdh1-Mediated Rock2 Stabilization Causing Neurodegeneration. Frontiers in Pharmacology, 2022, 13, 884470.	3.5	9
3	Metabolic Messengers: endocannabinoids. Nature Metabolism, 2022, 4, 848-855.	11.9	10
4	l-Serine links metabolism with neurotransmission. Progress in Neurobiology, 2021, 197, 101896.	5.7	44
5	Abrogating mitochondrial ROS in neurons or astrocytes reveals cell-specific impact on mouse behaviour. Redox Biology, 2021, 41, 101917.	9.0	8
6	Opa1 relies on cristae preservation and ATP synthase to curtail reactive oxygen species accumulation in mitochondria. Redox Biology, 2021, 41, 101944.	9.0	34
7	Preconditioning-Activated AKT Controls Neuronal Tolerance to Ischemia through the MDM2â€"p53 Pathway. International Journal of Molecular Sciences, 2021, 22, 7275.	4.1	6
8	Astrocyte-neuron metabolic cooperation shapes brain activity. Cell Metabolism, 2021, 33, 1546-1564.	16.2	143
9	Repurposing of tamoxifen ameliorates CLN3 and CLN7 disease phenotype. EMBO Molecular Medicine, 2021, 13, e13742.	6.9	28
10	p38Î³ and p38Î´ regulate postnatal cardiac metabolism through glycogen synthase 1. PLoS Biology, 2021, 19, e3001447.	5.6	8
11	Nuclear WRAP53 promotes neuronal survival and functional recovery after stroke. Science Advances, 2020, 6, .	10.3	11
12	Cell identity and nucleo-mitochondrial genetic context modulate OXPHOS performance and determine somatic heteroplasmy dynamics. Science Advances, 2020, 6, eaba5345.	10.3	31
13	Fgr kinase is required for proinflammatory macrophage activation during diet-induced obesity. Nature Metabolism, 2020, 2, 974-988.	11.9	40
14	Glucose metabolism links astroglial mitochondria to cannabinoid effects. Nature, 2020, 583, 603-608.	27.8	169
15	An ex vivo Approach to Assess Mitochondrial ROS by Flow Cytometry in AAV-tagged Astrocytes in Adult Mice. Bio-protocol, 2020, 10, e3550.	0.4	3
16	Targeting PFKFB3 alleviates cerebral ischemia-reperfusion injury in mice. Scientific Reports, 2019, 9, 11670.	3.3	44
17	Essentiality of fatty acid synthase in the 2D to anchorage-independent growth transition in transforming cells. Nature Communications, 2019, 10, 5011.	12.8	43
18	Neuronal p38Î± mediates ageâ€associated neural stem cell exhaustion and cognitive decline. Aging Cell, 2019, 18, e13044.	6.7	16

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19	Does APC/C^{CDH1} control the human brain size?. Journal of Neurochemistry, 2019, 151, 8-10.	3.9	1
20	Astrocytic mitochondrial ROS modulate brain metabolism and mouse behaviour. Nature Metabolism, 2019, 1, 201-211.	11.9	119
21	Amyloid-ÃŸ promotes neurotoxicity by Cdk5-induced p53 stabilization. Neuropharmacology, 2019, 146, 19-27.	4.1	40
22	NF-Î°B Activity Initiates Human ESC-Derived Neural Progenitor Cell Differentiation by Inducing a Metabolic Maturation Program. Stem Cell Reports, 2018, 10, 1766-1781.	4.8	23
23	LRRK2 Expression Is Deregulated in Fibroblasts and Neurons from Parkinson Patients with Mutations in PINK1. Molecular Neurobiology, 2018, 55, 506-516.	4.0	27
24	Guidelines on experimental methods to assess mitochondrial dysfunction in cellular models of neurodegenerative diseases. Cell Death and Differentiation, 2018, 25, 542-572.	11.2	120
25	Current technical approaches to brain energy metabolism. Glia, 2018, 66, 1138-1159.	4.9	40
26	Single-Nucleotide Polymorphism <i>309T>G</i> in the <i>MDM2</i> Promoter Determines Functional Outcome After Stroke. Stroke, 2018, 49, 2437-2444.	2.0	16
27	Regulation of BDNF Release by ARMS/Kidins220 through Modulation of Synaptotagmin-IV Levels. Journal of Neuroscience, 2018, 38, 5415-5428.	3.6	24
28	Hippocampal neurons require a large pool of glutathione to sustain dendrite integrity and cognitive function. Redox Biology, 2018, 19, 52-61.	9.0	35
29	Mitochondrial Complex I Activity is Conditioned by Supercomplex Iâ€“III2â€“IV Assembly in Brain Cells: Relevance for Parkinsonâ€™s Disease. Neurochemical Research, 2017, 42, 1676-1682.	3.3	16
30	APC/C ^{Cdh1} -Rock2 pathway controls dendritic integrity and memory. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 4513-4518.	7.1	44
31	Mitochondrial respiratory chain disorganization in Parkinson's disease-relevant PINK1 and DJ1 mutants. Neurochemistry International, 2017, 109, 101-105.	3.8	43
32	Neovascularization and functional recovery after intracerebral hemorrhage is conditioned by the Tp53 Arg72Pro single-nucleotide polymorphism. Cell Death and Differentiation, 2017, 24, 144-154.	11.2	35
33	Inflammation, glucose, and vascular cell damage: the role of the pentose phosphate pathway. Cardiovascular Diabetology, 2016, 15, 82.	6.8	84
34	Mitochondrial control of cell bioenergetics in Parkinsonâ€™s disease. Free Radical Biology and Medicine, 2016, 100, 123-137.	2.9	74
35	Morphology of the larval stages of <i>Pitho aculeata</i> (Gibbes, 1850) (Crustacea, Brachyura,) Tj ETQq1 1 0.784314 rgBT /Overlock 1(12, 854-863.	0.7	7
36	Introduction to Special Issue on Mitochondrial Redox Signaling in Health and Disease. Free Radical Biology and Medicine, 2016, 100, 1-4.	2.9	9

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37	Bioenergetics and redox adaptations of astrocytes to neuronal activity. Journal of Neurochemistry, 2016, 139, 115-125.	3.9	192
38	Î±â€Ketoglutarate dehydrogenase complex moonlighting: ROS signalling added to the list. Journal of Neurochemistry, 2016, 139, 689-690.	3.9	6
39	Complex I assembly into supercomplexes determines differential mitochondrial ROS production in neurons and astrocytes. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 13063-13068.	7.1	300
40	NRF2 Orchestrates the Metabolic Shift during Induced Pluripotent Stem Cell Reprogramming. Cell Reports, 2016, 14, 1883-1891.	6.4	132
41	Cdk5-mediated inhibition of APC/C-Cdh1 switches on the cyclin D1-Cdk4-pRb pathway causing aberrant S-phase entry of postmitotic neurons. Scientific Reports, 2015, 5, 18180.	3.3	31
42	Uncertainties in pentose-phosphate pathway flux assessment underestimate its contribution to neuronal glucose consumption: relevance for neurodegeneration and aging. Frontiers in Aging Neuroscience, 2015, 7, 89.	3.4	43
43	Regulation of Bcl-xL-ATP Synthase Interaction by Mitochondrial Cyclin B1-Cyclin-Dependent Kinase-1 Determines Neuronal Survival. Journal of Neuroscience, 2015, 35, 9287-9301.	3.6	44
44	Melatonin induces the expression of Nrf2-regulated antioxidant enzymes via PKC and Ca2+ influx activation in mouse pancreatic acinar cells. Free Radical Biology and Medicine, 2015, 87, 226-236.	2.9	56
45	Astrocyte NMDA receptors' activity sustains neuronal survival through a Cdk5â€"Nrf2 pathway. Cell Death and Differentiation, 2015, 22, 1877-1889.	11.2	136
46	DJ1 represses glycolysis and cell proliferation by transcriptionally up-regulating <i>pink1</i>. Biochemical Journal, 2015, 467, 303-310.	3.7	43
47	TIGAR's promiscuity. Biochemical Journal, 2014, 458, e5-e7.	3.7	8
48	Dichloroacetate prevents restenosis in preclinical animal models of vessel injury. Nature, 2014, 509, 641-644.	27.8	78
49	The oxidized form of vitamin C, dehydroascorbic acid, regulates neuronal energy metabolism. Journal of Neurochemistry, 2014, 129, 663-671.	3.9	59
50	PINK1 deficiency sustains cell proliferation by reprogramming glucose metabolism through HIF1. Nature Communications, 2014, 5, 4514.	12.8	93
51	Pentose-phosphate pathway disruption in the pathogenesis of Parkinsonâ€™s disease. Translational Neuroscience, 2014, 5, .	1.4	3
52	RNA Interference as a Tool to Selectively Down-Modulate Protein Function. Neuromethods, 2014, , 177-194.	0.3	0
53	Underestimation of the Pentoseâ€"Phosphate Pathway in Intact Primary Neurons as Revealed by Metabolic Flux Analysis. Journal of Cerebral Blood Flow and Metabolism, 2013, 33, 1843-1845.	4.3	37
54	Glutathione and Î³-Glutamylcysteine in Hydrogen Peroxide Detoxification. Methods in Enzymology, 2013, 527, 129-144.	1.0	21

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55	Brain energy metabolism in glutamate-receptor activation and excitotoxicity: Role for APC/C-Cdh1 in the balance glycolysis/pentose phosphate pathway. Neurochemistry International, 2013, 62, 750-756.	3.8	68
56	Adapting glycolysis to cancer cell proliferation: the MAPK pathway focuses on PFKFB3. Biochemical Journal, 2013, 452, e7-e9.	3.7	22
57	Glutathione and Î³-glutamylcysteine in the antioxidant and survival functions of mitochondria. Biochemical Society Transactions, 2013, 41, 106-110.	3.4	35
58	Peroxiredoxin 5 links mitochondrial redox signalling with calcium dynamics: impact on Parkinson's disease. Journal of Neurochemistry, 2013, 125, 332-333.	3.9	14
59	Redox Status and Bioenergetics Liaison in Cancer and Neurodegeneration. International Journal of Cell Biology, 2012, 2012, 1-5.	2.5	7
60	Î³-Glutamylcysteine detoxifies reactive oxygen species by acting as glutathione peroxidase-1 cofactor. Nature Communications, 2012, 3, 718.	12.8	132
61	Excitotoxic stimulus stabilizes PFKFB3 causing pentose-phosphate pathway to glycolysis switch and neurodegeneration. Cell Death and Differentiation, 2012, 19, 1582-1589.	11.2	107
62	Antioxidant and bioenergetic coupling between neurons and astrocytes. Biochemical Journal, 2012, 443, 3-11.	3.7	210
63	siRNA knock down of glutamate dehydrogenase in astrocytes affects glutamate metabolism leading to extensive accumulation of the neuroactive amino acids glutamate and aspartate. Neurochemistry International, 2012, 61, 490-497.	3.8	40
64	Integrating Molecular Mechanisms with Synaptic Plasticity in Neurological Disease. Molecular Neurobiology, 2012, 46, 545-546.	4.0	1
65	The human <i>Tp53 Arg72Pro</i> polymorphism explains different functional prognosis in stroke. Journal of Experimental Medicine, 2011, 208, 429-437.	8.5	57
66	The pentoseâ€phosphate pathway in neuronal survival against nitrosative stress. IUBMB Life, 2010, 62, 14-18.	3.4	57
67	Glycolysis: a bioenergetic or a survival pathway?. Trends in Biochemical Sciences, 2010, 35, 145-149.	7.5	297
68	Bilirubin selectively inhibits cytochrome <i>c</i> oxidase activity and induces apoptosis in immature cortical neurons: assessment of the protective effects of glycoursodeoxycholic acid. Journal of Neurochemistry, 2010, 112, 56-65.	3.9	63
69	Group IIA secretory phospholipase A₂ (GIIA) mediates apoptotic death during NMDA receptor activation in rat primary cortical neurons. Journal of Neurochemistry, 2010, 112, 1574-1583.	3.9	29
70	Human neuroblastoma cells with <i>MYCN</i> amplification are selectively resistant to oxidative stress by transcriptionally upâ€regulating glutamate cysteine ligase. Journal of Neurochemistry, 2010, 113, 819-825.	3.9	20
71	Persistent mitochondrial damage by nitric oxide and its derivatives: neuropathological implications. Frontiers in Neuroenergetics, 2010, 2, 1.	5.3	94
72	E3 ubiquitin ligase APC/C-Cdh1 accounts for the Warburg effect by linking glycolysis to cell proliferation. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 738-741.	7.1	150

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73	Cyclo(Hisâ€Pro) promotes cytoprotection by activating Nrf2â€mediated upâ€regulation of antioxidant defence. Journal of Cellular and Molecular Medicine, 2009, 13, 1149-1161.	3.6	35
74	The bioenergetic and antioxidant status of neurons is controlled by continuous degradation of a key glycolytic enzyme by APC/Câ€"Cdh1. Nature Cell Biology, 2009, 11, 747-752.	10.3	671
75	Mitochondria and reactive oxygen and nitrogen species in neurological disorders and stroke: Therapeutic implicationsâ˜†. Advanced Drug Delivery Reviews, 2009, 61, 1299-1315.	13.7	93
76	Expression of glucose transporter GLUT3 by endotoxin in cultured rat astrocytes: the role of nitric oxide. Journal of Neurochemistry, 2008, 79, 17-24.	3.9	36
77	Cdk5 phosphorylates Cdh1 and modulates cyclin B1 stability in excitotoxicity. EMBO Journal, 2008, 27, 2736-2745.	7.8	115
78	Retinoic acid downregulates Rae1 leading to APCCdh1 activation and neuroblastoma SH-SY5Y differentiation. Oncogene, 2008, 27, 3339-3344.	5.9	56
79	Regulation of glycolysis and pentoseâ€"phosphate pathway by nitric oxide: Impact on neuronal survival. Biochimica Et Biophysica Acta - Bioenergetics, 2008, 1777, 789-793.	1.0	90
80	Reduced Tumor Growth and Angiogenesis in Endoglin-Haploinsufficient Mice. Tumor Biology, 2007, 28, 1-8.	1.8	52
81	Linking glycolysis with oxidative stress in neural cells: a regulatory role for nitric oxide. Biochemical Society Transactions, 2007, 35, 1224-1227.	3.4	18
82	Poly(ADP-ribose) polymerase-1 protects neurons against apoptosis induced by oxidative stress. Cell Death and Differentiation, 2007, 14, 1211-1221.	11.2	40
83	Inhibition of PTEN by peroxynitrite activates the phosphoinositide-3-kinase/Akt neuroprotective signaling pathway. Journal of Neurochemistry, 2007, 102, 194-205.	3.9	76
84	Modulation of Astroglial Energy Metabolism by Nitric Oxide. Antioxidants and Redox Signaling, 2006, 8, 955-965.	5.4	40
85	Nitric oxide, cell bioenergetics and neurodegeneration. Journal of Neurochemistry, 2006, 97, 1676-1689.	3.9	506
86	Increased mitochondrial respiration maintains the mitochondrial membrane potential and promotes survival of cerebellar neurons in an endogenous model of glutamate receptor activation. Journal of Neurochemistry, 2005, 92, 183-190.	3.9	29
87	Mitochondrial respiratory chain and free radical generation in stroke. Free Radical Biology and Medicine, 2005, 39, 1291-1304.	2.9	207
88	Inhibition of mitochondrial respiration by nitric oxide: Its role in glucose metabolism and neuroprotection. Journal of Neuroscience Research, 2005, 79, 166-171.	2.9	40
89	Knockdown of Glutamate-Cysteine Ligase by Small Hairpin RNA Reveals That Both Catalytic and Modulatory Subunits Are Essential for the Survival of Primary Neurons. Journal of Biological Chemistry, 2005, 280, 38992-39001.	3.4	70
90	Cdh1/Hct1-APC Is Essential for the Survival of Postmitotic Neurons. Journal of Neuroscience, 2005, 25, 8115-8121.	3.6	135

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91	Nitric oxide switches on glycolysis through the AMP protein kinase and 6-phosphofructo-2-kinase pathway. Nature Cell Biology, 2004, 6, 45-51.	10.3	416
92	Differential effect of nitric oxide on glutathione metabolism and mitochondrial function in astrocytes and neurones: implications for neuroprotection/neurodegeneration?. Journal of Neurochemistry, 2004, 86, 228-237.	3.9	145
93	Regulation of glucose metabolism by nitrosative stress in neural cells. Molecular Aspects of Medicine, 2004, 25, 61-73.	6.4	34
94	Inhibition of mitochondrial respiration by nitric oxide rapidly stimulates cytoprotective GLUT3-mediated glucose uptake through 5â€²-AMP-activated protein kinase. Biochemical Journal, 2004, 384, 629-636.	3.7	73
95	Provoking Neuroprotection by Peroxynitrite. Current Pharmaceutical Design, 2004, 10, 867-877.	1.9	46
96	Peroxisome Proliferator-activated Receptor Î³ Thiazolidinedione Agonists Increase Glucose Metabolism in Astrocytes. Journal of Biological Chemistry, 2003, 278, 5828-5836.	3.4	154
97	Peroxynitrite Protects Neurons against Nitric Oxide-mediated Apoptosis. Journal of Biological Chemistry, 2003, 278, 864-874.	3.4	147
98	Peroxynitrite Stimulates l-Arginine Transport Systemy+ in Glial Cells. Journal of Biological Chemistry, 2002, 277, 29753-29759.	3.4	21
99	Antioxidants, reactive oxygen and nitrogen species, gene induction and mitochondrial function. Molecular Aspects of Medicine, 2002, 23, 209-285.	6.4	201
100	Impairment of brain mitochondrial function by reactive nitrogen species: the role of glutathione in dictating susceptibility. Neurochemistry International, 2002, 40, 469-474.	3.8	71
101	Nitric oxide accounts for an increased glycolytic rate in activated astrocytes through a glycogenolysis-independent mechanism. Brain Research, 2002, 945, 131-134.	2.2	7
102	D-Glucose Prevents Glutathione Oxidation and Mitochondrial Damage After Glutamate Receptor Stimulation in Rat Cortical Primary Neurons. Journal of Neurochemistry, 2002, 75, 1618-1624.	3.9	69
103	Oxygen and glucose deprivation induces mitochondrial dysfunction and oxidative stress in neurones but not in astrocytes in primary culture. Journal of Neurochemistry, 2002, 81, 207-217.	3.9	211
104	Involvement of reactive oxygen species on gentamicin-induced mesangial cell activation. Kidney International, 2002, 62, 1682-1692.	5.2	61
105	Oleic Acid Inhibits Gap Junction Permeability and Increases Glucose Uptake in Cultured Rat Astrocytes. Journal of Neurochemistry, 2002, 69, 721-728.	3.9	48
106	Peroxynitrite Anion Stimulates Arginine Release from Cultured Rat Astrocytes. Journal of Neurochemistry, 2002, 73, 1446-1452.	3.9	22
107	Depletion of glutathione up-regulates mitochondrial complex I expression in glial cells. Journal of Neurochemistry, 2001, 76, 1593-1596.	3.9	22
108	A transient inhibition of mitochondrial ATP synthesis by nitric oxide synthase activation triggered apoptosis in primary cortical neurons. Journal of Neurochemistry, 2001, 77, 676-690.	3.9	147

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109	Induction of Glucose-6-Phosphate Dehydrogenase by Lipopolysaccharide Contributes to Preventing Nitric Oxide-Mediated Glutathione Depletion in Cultured Rat Astrocytes. Journal of Neurochemistry, 2001, 72, 1750-1758.	3.9	79
110	Different responses of astrocytes and neurons to nitric oxide: The role of glycolytically generated ATP in astrocyte protection. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 15294-15299.	7.1	363
111	Nitric oxide-mediated mitochondrial impairment in neural cells: a role for glucose metabolism in neuroprotection. Progress in Brain Research, 2001, 132, 441-454.	1.4	5
112	Nitric oxide mediates glutamate-induced mitochondrial depolarization in rat cortical neurons. Brain Research, 1999, 816, 580-586.	2.2	47
113	The assumption that nitric oxide inhibits mitochondrial ATP synthesis is correct. FEBS Letters, 1999, 446, 261-263.	2.8	84
114	Nitric oxide mediates brain mitochondrial maturation immediately after birth. FEBS Letters, 1999, 452, 290-294.	2.8	13
115	Nitric oxide, mitochondria and neurological disease. Biochimica Et Biophysica Acta - Bioenergetics, 1999, 1410, 215-228.	1.0	415
116	Roles of nitric oxide in brain hypoxia-ischemia. Biochimica Et Biophysica Acta - Bioenergetics, 1999, 1411, 415-436.	1.0	269
117	Nitric oxide mediates brain mitochondrial damage during perinatal anoxia. Brain Research, 1998, 787, 117-122.	2.2	39
118	Glutamate neurotoxicity is associated with nitric oxide-mediated mitochondrial dysfunction and glutathione depletion. Brain Research, 1998, 790, 209-216.	2.2	137
119	53 Astrocytic mitochondrial respiratory chain damage: effect on cellular ATP levels. Biochemical Society Transactions, 1998, 26, S346-S346.	3.4	4
120	Nitric oxide, energy metabolism and neurological disease. Biochemical Society Transactions, 1997, 25, 939-943.	3.4	23
121	Potential mechanisms for nitric oxide-mediated impairment of brain mitochondrial energy metabolism. Biochemical Society Transactions, 1997, 25, 944-949.	3.4	27
122	Evaluation of the efficacy of potential therapeutic agents at protecting against nitric oxide synthase-mediated mitochondrial damage in activated astrocytes. Brain Research Protocols, 1997, 1, 258-262.	1.6	14
123	Effect of valproate on the metabolism of the central nervous system. Life Sciences, 1997, 60, 1933-1942.	4.3	35
124	Interrelationships between astrocyte function, oxidative stress and antioxidant status within the central nervous system. Progress in Neurobiology, 1997, 52, 261-281.	5.7	156
125	Nitric Oxideâ€Mediated Mitochondrial Damage in the Brain: Mechanisms and Implications for Neurodegenerative Diseases. Journal of Neurochemistry, 1997, 68, 2227-2240.	3.9	458
126	Inhibition of astrocyte gap junctional communication by ATP depletion is reversed by calcium sequestration. FEBS Letters, 1996, 392, 225-228.	2.8	33

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127	Age Dependent Changes in the Cerebrospinal Fluid Concentration of Nitrite and Nitrate. Annals of Clinical Biochemistry, 1996, 33, 71-72.	1.6	15
128	Glutathione Protects Astrocytes from Peroxynitrite-Mediated Mitochondrial Damage: Implications for Neuronal/ Astrocytic Trafficking and Neurodegeneration. Developmental Neuroscience, 1996, 18, 391-396.	2.0	113
129	Depletion of brain glutathione results in a decrease of glutathione reductase activity; an enzyme susceptible to oxidative damage. Brain Research, 1996, 716, 118-122.	2.2	97
130	Mitochondrial damage: An important feature in a number of inborn errors of metabolism?. Journal of Inherited Metabolic Disease, 1996, 19, 140-142.	3.6	17
131	Glutathione depletion is accompanied by increased neuronal nitric oxide synthase activity. Neurochemical Research, 1996, 21, 35-39.	3.3	40
132	Nitric oxide-mediated mitochondrial damage: A potential neuroprotective role for glutathione. Free Radical Biology and Medicine, 1996, 21, 995-1001.	2.9	240
133	Induction of Nitric Oxide Synthase Inhibits Gap Junction Permeability in Cultured Rat Astrocytes. Journal of Neurochemistry, 1996, 66, 2091-2099.	3.9	87
134	Fuel Utilization by Early Newborn Brain Is Preserved under Congenital Hypothyroidism in the Rat. Pediatric Research, 1996, 40, 410-414.	2.3	6
135	Evidence for increased nitric oxide production in multiple sclerosis.. Journal of Neurology, Neurosurgery and Psychiatry, 1995, 58, 107-107.	1.9	112
136	Nitric oxide produced by activated astrocytes rapidly and reversibly inhibits cellular respiration. Neuroscience Letters, 1995, 193, 201-204.	2.1	204
137	Effect of Peroxynitrite on the Mitochondrial Respiratory Chain: Differential Susceptibility of Neurones and Astrocytes in Primary Culture. Journal of Neurochemistry, 1995, 64, 1965-1972.	3.9	446
138	Trolox protects mitochondrial complex IV from nitric oxide-mediated damage in astrocytes. Brain Research, 1994, 668, 243-245.	2.2	54
139	Inhibition of neonatal brain fuel utilization by valproate and E-Î”2-valproate is not a consequence of the stimulation of the Î³-aminobutyric acid shunt. Life Sciences, 1994, 55, PL397-PL402.	4.3	4
140	Effect of valproate on lipogenesis in neonatal rat brain. Biochemical Pharmacology, 1993, 45, 1283-1288.	4.4	9
141	Lipogenesis from Lactate in Fetal Rat Brain during Late Gestation. Pediatric Research, 1993, 33, 66-71.	2.3	17
142	Lipogenesis from lactate in rat neurons and astrocytes in primary culture. Biochemical Journal, 1993, 294, 635-638.	3.7	65
143	Ketogenesis from Lactate in Rat Liver during the Perinatal Period. Pediatric Research, 1992, 31, 415-418.	2.3	5
144	The fate of lactate in isolated cells from early neonatal rat brain. Comparison with glucose and 3-hydroxybutyrate. Biochemical Society Transactions, 1991, 19, 141S-141S.	3.4	2

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145	Lactate utilization by neonatal rat liver <i>in vitro</i>. Biochemical Society Transactions, 1990, 18, 1274-1275.	3.4	1
146	Inhibition of sterol but not fatty acid synthesis by valproate in developing rat brain in vivo. Biochemical Journal, 1990, 272, 251-253.	3.7	10
147	Effect of hypoxia on urea synthesis in neonatal rat liver <i>in vitro</i>. Biochemical Society Transactions, 1990, 18, 1284-1285.	3.4	1