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	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
2	Nitric oxide, cell bioenergetics and neurodegeneration. Journal of Neurochemistry, 2006, 97, 1676-1689.	3.9	506
3	Nitric Oxideâ€Mediated Mitochondrial Damage in the Brain: Mechanisms and Implications for Neurodegenerative Diseases. Journal of Neurochemistry, 1997, 68, 2227-2240.	3.9	458
4	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
5	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
6	Nitric oxide, mitochondria and neurological disease. Biochimica Et Biophysica Acta - Bioenergetics, 1999, 1410, 215-228.	1.0	415
7	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
8	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
9	Glycolysis: a bioenergetic or a survival pathway?. Trends in Biochemical Sciences, 2010, 35, 145-149.	7.5	297
10	Roles of nitric oxide in brain hypoxia-ischemia. Biochimica Et Biophysica Acta - Bioenergetics, 1999, 1411, 415-436.	1.0	269
11	Nitric oxide-mediated mitochondrial damage: A potential neuroprotective role for glutathione. Free Radical Biology and Medicine, 1996, 21, 995-1001.	2.9	240
12	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
13	Antioxidant and bioenergetic coupling between neurons and astrocytes. Biochemical Journal, 2012, 443, 3-11.	3.7	210
14	Mitochondrial respiratory chain and free radical generation in stroke. Free Radical Biology and Medicine, 2005, 39, 1291-1304.	2.9	207
15	Nitric oxide produced by activated astrocytes rapidly and reversibly inhibits cellular respiration. Neuroscience Letters, 1995, 193, 201-204.	2.1	204
16	Antioxidants, reactive oxygen and nitrogen species, gene induction and mitochondrial function. Molecular Aspects of Medicine, 2002, 23, 209-285.	6.4	201
17	Bioenergetics and redox adaptations of astrocytes to neuronal activity. Journal of Neurochemistry, 2016, 139, 115-125.	3.9	192
18	Glucose metabolism links astroglial mitochondria to cannabinoid effects. Nature, 2020, 583, 603-608.	27.8	169

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19	Interrelationships between astrocyte function, oxidative stress and antioxidant status within the central nervous system. Progress in Neurobiology, 1997, 52, 261-281.	5.7	156
20	Peroxisome Proliferator-activated Receptor Î³ Thiazolidinedione Agonists Increase Glucose Metabolism in Astrocytes. Journal of Biological Chemistry, 2003, 278, 5828-5836.	3.4	154
21	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
22	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
23	Peroxynitrite Protects Neurons against Nitric Oxide-mediated Apoptosis. Journal of Biological Chemistry, 2003, 278, 864-874.	3.4	147
24	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
25	Astrocyte-neuron metabolic cooperation shapes brain activity. Cell Metabolism, 2021, 33, 1546-1564.	16.2	143
26	Glutamate neurotoxicity is associated with nitric oxide-mediated mitochondrial dysfunction and glutathione depletion. Brain Research, 1998, 790, 209-216.	2.2	137
27	Astrocyte NMDA receptors' activity sustains neuronal survival through a Cdk5â€“Nrf2 pathway. Cell Death and Differentiation, 2015, 22, 1877-1889.	11.2	136
28	Cdh1/Hct1-APC Is Essential for the Survival of Postmitotic Neurons. Journal of Neuroscience, 2005, 25, 8115-8121.	3.6	135
29	Î³-Glutamylcysteine detoxifies reactive oxygen species by acting as glutathione peroxidase-1 cofactor. Nature Communications, 2012, 3, 718.	12.8	132
30	NRF2 Orchestrates the Metabolic Shift during Induced Pluripotent Stem Cell Reprogramming. Cell Reports, 2016, 14, 1883-1891.	6.4	132
31	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
32	Astrocytic mitochondrial ROS modulate brain metabolism and mouse behaviour. Nature Metabolism, 2019, 1, 201-211.	11.9	119
33	Cdk5 phosphorylates Cdh1 and modulates cyclin B1 stability in excitotoxicity. EMBO Journal, 2008, 27, 2736-2745.	7.8	115
34	Glutathione Protects Astrocytes from Peroxynitrite-Mediated Mitochondrial Damage: Implications for Neuronal/ Astrocytic Trafficking and Neurodegeneration. Developmental Neuroscience, 1996, 18, 391-396.	2.0	113
35	Evidence for increased nitric oxide production in multiple sclerosis.. Journal of Neurology, Neurosurgery and Psychiatry, 1995, 58, 107-107.	1.9	112
36	Excitotoxic stimulus stabilizes PFKFB3 causing pentose-phosphate pathway to glycolysis switch and neurodegeneration. Cell Death and Differentiation, 2012, 19, 1582-1589.	11.2	107

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37	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
38	Persistent mitochondrial damage by nitric oxide and its derivatives: neuropathological implications. Frontiers in Neuroenergetics, 2010, 2, 1.	5.3	94
39	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
40	PINK1 deficiency sustains cell proliferation by reprogramming glucose metabolism through HIF1. Nature Communications, 2014, 5, 4514.	12.8	93
41	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
42	Induction of Nitric Oxide Synthase Inhibits Gap Junction Permeability in Cultured Rat Astrocytes. Journal of Neurochemistry, 1996, 66, 2091-2099.	3.9	87
43	The assumption that nitric oxide inhibits mitochondrial ATP synthesis is correct. FEBS Letters, 1999, 446, 261-263.	2.8	84
44	Inflammation, glucose, and vascular cell damage: the role of the pentose phosphate pathway. Cardiovascular Diabetology, 2016, 15, 82.	6.8	84
45	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
46	Dichloroacetate prevents restenosis in preclinical animal models of vessel injury. Nature, 2014, 509, 641-644.	27.8	78
47	Inhibition of PTEN by peroxynitrite activates the phosphoinositide-3-kinase/Akt neuroprotective signaling pathway. Journal of Neurochemistry, 2007, 102, 194-205.	3.9	76
48	Mitochondrial control of cell bioenergetics in Parkinsonâ€™s disease. Free Radical Biology and Medicine, 2016, 100, 123-137.	2.9	74
49	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
50	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
51	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
52	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
53	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
54	Lipogenesis from lactate in rat neurons and astrocytes in primary culture. Biochemical Journal, 1993, 294, 635-638.	3.7	65

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55	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
56	Involvement of reactive oxygen species on gentamicin-induced mesangial cell activation. Kidney International, 2002, 62, 1682-1692.	5.2	61
57	The oxidized form of vitamin C, dehydroascorbic acid, regulates neuronal energy metabolism. Journal of Neurochemistry, 2014, 129, 663-671.	3.9	59
58	The pentoseâ€phosphate pathway in neuronal survival against nitrosative stress. IUBMB Life, 2010, 62, 14-18.	3.4	57
59	The human <i>Tp53 Arg72Pro</i> polymorphism explains different functional prognosis in stroke. Journal of Experimental Medicine, 2011, 208, 429-437.	8.5	57
60	Retinoic acid downregulates Rae1 leading to APCCdh1 activation and neuroblastoma SH-SY5Y differentiation. Oncogene, 2008, 27, 3339-3344.	5.9	56
61	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
62	Trolox protects mitochondrial complex IV from nitric oxide-mediated damage in astrocytes. Brain Research, 1994, 668, 243-245.	2.2	54
63	Reduced Tumor Growth and Angiogenesis in Endoglin-Haploinsufficient Mice. Tumor Biology, 2007, 28, 1-8.	1.8	52
64	Oleic Acid Inhibits Gap Junction Permeability and Increases Glucose Uptake in Cultured Rat Astrocytes. Journal of Neurochemistry, 2002, 69, 721-728.	3.9	48
65	Nitric oxide mediates glutamate-induced mitochondrial depolarization in rat cortical neurons. Brain Research, 1999, 816, 580-586.	2.2	47
66	Provoking Neuroprotection by Peroxynitrite. Current Pharmaceutical Design, 2004, 10, 867-877.	1.9	46
67	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
68	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
69	Targeting PFKFB3 alleviates cerebral ischemia-reperfusion injury in mice. Scientific Reports, 2019, 9, 11670.	3.3	44
70	l-Serine links metabolism with neurotransmission. Progress in Neurobiology, 2021, 197, 101896.	5.7	44
71	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
72	DJ1 represses glycolysis and cell proliferation by transcriptionally up-regulating <i>pink1</i>. Biochemical Journal, 2015, 467, 303-310.	3.7	43

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73	Mitochondrial respiratory chain disorganization in Parkinson's disease-relevant PINK1 and DJ1 mutants. Neurochemistry International, 2017, 109, 101-105.	3.8	43
74	Essentiality of fatty acid synthase in the 2D to anchorage-independent growth transition in transforming cells. Nature Communications, 2019, 10, 5011.	12.8	43
75	Glutathione depletion is accompanied by increased neuronal nitric oxide synthase activity. Neurochemical Research, 1996, 21, 35-39.	3.3	40
76	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
77	Modulation of Astroglial Energy Metabolism by Nitric Oxide. Antioxidants and Redox Signaling, 2006, 8, 955-965.	5.4	40
78	Poly(ADP-ribose) polymerase-1 protects neurons against apoptosis induced by oxidative stress. Cell Death and Differentiation, 2007, 14, 1211-1221.	11.2	40
79	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
80	Current technical approaches to brain energy metabolism. Glia, 2018, 66, 1138-1159.	4.9	40
81	Amyloid-ÃŸ promotes neurotoxicity by Cdk5-induced p53 stabilization. Neuropharmacology, 2019, 146, 19-27.	4.1	40
82	Fgr kinase is required for proinflammatory macrophage activation during diet-induced obesity. Nature Metabolism, 2020, 2, 974-988.	11.9	40
83	Nitric oxide mediates brain mitochondrial damage during perinatal anoxia. Brain Research, 1998, 787, 117-122.	2.2	39
84	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
85	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
86	Effect of valproate on the metabolism of the central nervous system. Life Sciences, 1997, 60, 1933-1942.	4.3	35
87	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
88	Glutathione and Î³-glutamylcysteine in the antioxidant and survival functions of mitochondria. Biochemical Society Transactions, 2013, 41, 106-110.	3.4	35
89	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
90	Hippocampal neurons require a large pool of glutathione to sustain dendrite integrity and cognitive function. Redox Biology, 2018, 19, 52-61.	9.0	35

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91	Regulation of glucose metabolism by nitrosative stress in neural cells. Molecular Aspects of Medicine, 2004, 25, 61-73.	6.4	34
92	Opa1 relies on cristae preservation and ATP synthase to curtail reactive oxygen species accumulation in mitochondria. Redox Biology, 2021, 41, 101944.	9.0	34
93	Inhibition of astrocyte gap junctional communication by ATP depletion is reversed by calcium sequestration. FEBS Letters, 1996, 392, 225-228.	2.8	33
94	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
95	Cell identity and nucleo-mitochondrial genetic context modulate OXPHOS performance and determine somatic heteroplasmy dynamics. Science Advances, 2020, 6, eaba5345.	10.3	31
96	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
97	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
98	Repurposing of tamoxifen ameliorates CLN3 and CLN7 disease phenotype. EMBO Molecular Medicine, 2021, 13, e13742.	6.9	28
99	Potential mechanisms for nitric oxide-mediated impairment of brain mitochondrial energy metabolism. Biochemical Society Transactions, 1997, 25, 944-949.	3.4	27
100	LRRK2 Expression Is Deregulated in Fibroblasts and Neurons from Parkinson Patients with Mutations in PINK1. Molecular Neurobiology, 2018, 55, 506-516.	4.0	27
101	Regulation of BDNF Release by ARMS/Kidins220 through Modulation of Synaptotagmin-IV Levels. Journal of Neuroscience, 2018, 38, 5415-5428.	3.6	24
102	Nitric oxide, energy metabolism and neurological disease. Biochemical Society Transactions, 1997, 25, 939-943.	3.4	23
103	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
104	Depletion of glutathione up-regulates mitochondrial complex I expression in glial cells. Journal of Neurochemistry, 2001, 76, 1593-1596.	3.9	22
105	Peroxynitrite Anion Stimulates Arginine Release from Cultured Rat Astrocytes. Journal of Neurochemistry, 2002, 73, 1446-1452.	3.9	22
106	Adapting glycolysis to cancer cell proliferation: the MAPK pathway focuses on PFKFB3. Biochemical Journal, 2013, 452, e7-e9.	3.7	22
107	Peroxynitrite Stimulates l-Arginine Transport Systemy+ in Glial Cells. Journal of Biological Chemistry, 2002, 277, 29753-29759.	3.4	21
108	Glutathione and Î³-Glutamylcysteine in Hydrogen Peroxide Detoxification. Methods in Enzymology, 2013, 527, 129-144.	1.0	21

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109	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
110	Linking glycolysis with oxidative stress in neural cells: a regulatory role for nitric oxide. Biochemical Society Transactions, 2007, 35, 1224-1227.	3.4	18
111	Lipogenesis from Lactate in Fetal Rat Brain during Late Gestation. Pediatric Research, 1993, 33, 66-71.	2.3	17
112	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
113	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
114	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
115	Neuronal p38Î± mediates ageâ€associated neural stem cell exhaustion and cognitive decline. Aging Cell, 2019, 18, e13044.	6.7	16
116	Age Dependent Changes in the Cerebrospinal Fluid Concentration of Nitrite and Nitrate. Annals of Clinical Biochemistry, 1996, 33, 71-72.	1.6	15
117	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
118	Peroxiredoxin 5 links mitochondrial redox signalling with calcium dynamics: impact on Parkinson's disease. Journal of Neurochemistry, 2013, 125, 332-333.	3.9	14
119	Aberrant upregulation of the glycolytic enzyme PFKFB3 in CLN7 neuronal ceroid lipofuscinosis. Nature Communications, 2022, 13, 536.	12.8	14
120	Nitric oxide mediates brain mitochondrial maturation immediately after birth. FEBS Letters, 1999, 452, 290-294.	2.8	13
121	Nuclear WRAP53 promotes neuronal survival and functional recovery after stroke. Science Advances, 2020, 6, .	10.3	11
122	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
123	Metabolic Messengers: endocannabinoids. Nature Metabolism, 2022, 4, 848-855.	11.9	10
124	Effect of valproate on lipogenesis in neonatal rat brain. Biochemical Pharmacology, 1993, 45, 1283-1288.	4.4	9
125	Introduction to Special Issue on Mitochondrial Redox Signaling in Health and Disease. Free Radical Biology and Medicine, 2016, 100, 1-4.	2.9	9
126	Amyloid-Î² Induces Cdh1-Mediated Rock2 Stabilization Causing Neurodegeneration. Frontiers in Pharmacology, 2022, 13, 884470.	3.5	9

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127	TIGAR's promiscuity. Biochemical Journal, 2014, 458, e5-e7.	3.7	8
128	Abrogating mitochondrial ROS in neurons or astrocytes reveals cell-specific impact on mouse behaviour. Redox Biology, 2021, 41, 101917.	9.0	8
129	p38Î³ and p38Î´ regulate postnatal cardiac metabolism through glycogen synthase 1. PLoS Biology, 2021, 19, e3001447.	5.6	8
130	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
131	Redox Status and Bioenergetics Liaison in Cancer and Neurodegeneration. International Journal of Cell Biology, 2012, 2012, 1-5.	2.5	7
132	Morphology of the larval stages of <i>Pitho aculeata</i> (Gibbes, 1850) (Crustacea, Brachyura,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 54 12, 854-863.	0.7	7
133	Î±â€Ketoglutarate dehydrogenase complex moonlighting: ROS signalling added to the list. Journal of Neurochemistry, 2016, 139, 689-690.	3.9	6
134	Preconditioning-Activated AKT Controls Neuronal Tolerance to Ischemia through the MDM2â€“p53 Pathway. International Journal of Molecular Sciences, 2021, 22, 7275.	4.1	6
135	Fuel Utilization by Early Newborn Brain Is Preserved under Congenital Hypothyroidism in the Rat. Pediatric Research, 1996, 40, 410-414.	2.3	6
136	Ketogenesis from Lactate in Rat Liver during the Perinatal Period. Pediatric Research, 1992, 31, 415-418.	2.3	5
137	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
138	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
139	53 Astrocytic mitochondrial respiratory chain damage: effect on cellular ATP levels. Biochemical Society Transactions, 1998, 26, S346-S346.	3.4	4
140	Pentose-phosphate pathway disruption in the pathogenesis of Parkinsonâ€™s disease. Translational Neuroscience, 2014, 5, .	1.4	3
141	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
142	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
143	Lactate utilization by neonatal rat liver <i>in vitro</i>. Biochemical Society Transactions, 1990, 18, 1274-1275.	3.4	1
144	Effect of hypoxia on urea synthesis in neonatal rat liver <i>in vitro</i>. Biochemical Society Transactions, 1990, 18, 1284-1285.	3.4	1

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145	Integrating Molecular Mechanisms with Synaptic Plasticity in Neurological Disease. Molecular Neurobiology, 2012, 46, 545-546.	4.0	1
146	Does APC/C^{CDH1} control the human brain size?. Journal of Neurochemistry, 2019, 151, 8-10.	3.9	1
147	RNA Interference as a Tool to Selectively Down-Modulate Protein Function. Neuromethods, 2014, , 177-194.	0.3	0