## Luc Pellerin

# List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

61 16,476 126 190 h-index g-index citations papers 18,870 6.7 203 7.2 L-index avg, IF ext. citations ext. papers

#	Paper	IF	Citations
190	Clozapine induces astrocyte-dependent FDG-PET hypometabolism European Journal of Nuclear Medicine and Molecular Imaging, 2022, 1	8.8	2
189	Nutritional Impact on Metabolic Homeostasis and Brain Health Frontiers in Neuroscience, 2021, 15, 767	4905	2
188	Lactate transporters in the rat barrel cortex sustain whisker-dependent BOLD fMRI signal and behavioral performance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	2
187	Inhibition of eIF5A hypusination reprogrammes metabolism and glucose handling in mouse kidney. <i>Cell Death and Disease</i> , <b>2021</b> , 12, 283	9.8	6
186	About the source and consequences of F-FDG brain PET hypometabolism in short and long COVID-19. European Journal of Nuclear Medicine and Molecular Imaging, 2021, 48, 2674-2675	8.8	2
185	The Hepatic Monocarboxylate Transporter 1 (MCT1) Contributes to the Regulation of Food Anticipation in Mice. <i>Frontiers in Physiology</i> , <b>2021</b> , 12, 665476	4.6	2
184	Astrocyte Biomarkers in Alzheimer Disease: A Systematic Review and Meta-analysis. <i>Neurology</i> , <b>2021</b> ,	6.5	23
183	Neuroprotective role of lactate in rat neonatal hypoxia-ischemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2021</b> , 41, 342-358	7.3	18
182	Peculiar protrusions along tanycyte processes face diverse neural and nonneural cell types in the hypothalamic parenchyma. <i>Journal of Comparative Neurology</i> , <b>2021</b> , 529, 553-575	3.4	11
181	Mechanism of succinate efflux upon reperfusion of the ischaemic heart. <i>Cardiovascular Research</i> , <b>2021</b> , 117, 1188-1201	9.9	18
180	Disrupted function of lactate transporter MCT1, but not MCT4, in Schwann cells affects the maintenance of motor end-plate innervation. <i>Glia</i> , <b>2021</b> , 69, 124-136	9	12
179	Lactate fluxes mediated by the monocarboxylate transporter-1 are key determinants of the metabolic activitylbf beige adipocytes. <i>Journal of Biological Chemistry</i> , <b>2021</b> , 296, 100137	5.4	9
178	Altered mRNA and Protein Expression of Monocarboxylate Transporter MCT1 in the Cerebral Cortex and Cerebellum of Prion Protein Knockout Mice. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	1
177	Reactive astrocyte nomenclature, definitions, and future directions. <i>Nature Neuroscience</i> , <b>2021</b> , 24, 312	- <b>3</b> 355	298
176	The eukaryotic initiation factor 5A (eIF5A1), the molecule, mechanisms and recent insights into the pathophysiological roles <i>Cell and Bioscience</i> , <b>2021</b> , 11, 219	9.8	1
175	Endothelial Lactate Controls Muscle Regeneration from Ischemia by Inducing M2-like Macrophage Polarization. <i>Cell Metabolism</i> , <b>2020</b> , 31, 1136-1153.e7	24.6	76
174	Glucose metabolism links astroglial mitochondria to cannabinoid effects. <i>Nature</i> , <b>2020</b> , 583, 603-608	50.4	66

## (2017-2020)

173	Maternal alcoholism and neonatal hypoxia-ischemia: Neuroprotection by stilbenoid polyphenols. Brain Research, <b>2020</b> , 1738, 146798	3.7	7
172	Neuronal and astroglial monocarboxylate transporters play key but distinct roles in hippocampus-dependent learning and memory formation. <i>Progress in Neurobiology</i> , <b>2020</b> , 194, 101888	10.9	12
171	Reducing monocarboxylate transporter MCT1 worsens experimental diabetic peripheral neuropathy. <i>Experimental Neurology</i> , <b>2020</b> , 333, 113415	5.7	9
170	Urinary ketone body loss leads to degeneration of brain white matter in elderly SLC5A8-deficient mice. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2020</b> , 40, 1709-1723	7.3	3
169	Neuroprotective Effect of Maternal Resveratrol Supplementation in a Rat Model of Neonatal Hypoxia-Ischemia. <i>Frontiers in Neuroscience</i> , <b>2020</b> , 14, 616824	5.1	1
168	Tanycytes Regulate Lipid Homeostasis by Sensing Free Fatty Acids and Signaling to Key Hypothalamic Neuronal Populations via FGF21 Secretion. <i>Cell Metabolism</i> , <b>2019</b> , 30, 833-844.e7	24.6	31
167	Development of Efficient AAV2/DJ-Based Viral Vectors to Selectively Downregulate the Expression of Neuronal or Astrocytic Target Proteins in the Rat Central Nervous System. <i>Frontiers in Molecular Neuroscience</i> , <b>2019</b> , 12, 201	6.1	9
166	Maternal consumption of piceatannol: A nutritional neuroprotective strategy against hypoxia-ischemia in rat neonates. <i>Brain Research</i> , <b>2019</b> , 1717, 86-94	3.7	9
165	Effects of bisphenol S, a major substitute of bisphenol A, on neurobehavioral responses and cerebral monocarboxylate transporters expression in mice. <i>Food and Chemical Toxicology</i> , <b>2019</b> , 132, 110670	4.7	12
164	Cell-Type-Specific Gene Expression Profiling in Adult Mouse Brain Reveals Normal and Disease-State Signatures. <i>Cell Reports</i> , <b>2019</b> , 26, 2477-2493.e9	10.6	29
163	Astrocyte Biomarkers in Alzheimerß Disease. <i>Trends in Molecular Medicine</i> , <b>2019</b> , 25, 77-95	11.5	108
162	Neuroprotective effect of rLosac on supplement-deprived mouse cultured cortical neurons involves maintenance of monocarboxylate transporter MCT2 protein levels. <i>Journal of Neurochemistry</i> , <b>2019</b> , 148, 80-96	6	7
161	Impact of MCT1 Haploinsufficiency on the Mouse Retina. <i>Advances in Experimental Medicine and Biology</i> , <b>2018</b> , 1074, 375-380	3.6	3
160	Cortical Bilateral Adaptations in Rats Submitted to Focal Cerebral Ischemia: Emphasis on Glial Metabolism. <i>Molecular Neurobiology</i> , <b>2018</b> , 55, 2025-2041	6.2	11
159	Current technical approaches to brain energy metabolism. <i>Glia</i> , <b>2018</b> , 66, 1138-1159	9	22
158	Neuroenergetics: Astrocytes Have a Sweet Spot for Glucose. <i>Current Biology</i> , <b>2018</b> , 28, R1258-R1260	6.3	9
157	[F]FDG PET signal is driven by astroglial glutamate transport. <i>Nature Neuroscience</i> , <b>2017</b> , 20, 393-395	25.5	144
156	Role of MCT1 and CAII in skeletal muscle pH homeostasis, energetics, and function: insights from MCT1 haploinsufficient mice. <i>FASEB Journal</i> , <b>2017</b> , 31, 2562-2575	0.9	16

155	AMPK activation caused by reduced liver lactate metabolism protects against hepatic steatosis in MCT1 haploinsufficient mice. <i>Molecular Metabolism</i> , <b>2017</b> , 6, 1625-1633	8.8	17
154	The Self-Inactivating KamiCas9 System for the Editing of CNS Disease Genes. <i>Cell Reports</i> , <b>2017</b> , 20, 298	0-2,599	168
153	Hyperpalatable Diet and Physical Exercise Modulate the Expression of the Glial Monocarboxylate Transporters MCT1 and 4. <i>Molecular Neurobiology</i> , <b>2017</b> , 54, 5807-5814	6.2	6
152	A neuronal MCT2 knockdown in the rat somatosensory cortex reduces both the NMR lactate signal and the BOLD response during whisker stimulation. <i>PLoS ONE</i> , <b>2017</b> , 12, e0174990	3.7	31
151	E4F1-mediated control of pyruvate dehydrogenase activity is essential for skin homeostasis.  Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 11004-9	11.5	11
150	Astrocytes are key but indirect contributors to the development of the symptomatology and pathophysiology of Huntington® disease. <i>Glia</i> , <b>2016</b> , 64, 1841-56	9	23
149	Hypothalamic sensing of ketone bodies after prolonged cerebral exposure leads to metabolic control dysregulation. <i>Scientific Reports</i> , <b>2016</b> , 6, 34909	4.9	15
148	Monocarboxylate transporters in the brain and in cancer. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>2016</b> , 1863, 2481-97	4.9	196
147	EHydroxybutyrate supports synaptic vesicle cycling but reduces endocytosis and exocytosis in rat brain synaptosomes. <i>Neurochemistry International</i> , <b>2016</b> , 93, 73-81	4.4	20
146	Evidence for hypothalamic ketone body sensing: impact on food intake and peripheral metabolic responses in mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2016</b> , 310, E103-15	6	29
145	Cell-specific modulation of monocarboxylate transporter expression contributes to the metabolic reprograming taking place following cerebral ischemia. <i>Neuroscience</i> , <b>2016</b> , 317, 108-20	3.9	29
144	Improvement of Neuroenergetics by Hypertonic Lactate Therapy in Patients with Traumatic Brain Injury Is Dependent on Baseline Cerebral Lactate/Pyruvate Ratio. <i>Journal of Neurotrauma</i> , <b>2016</b> , 33, 681	<del>5</del> 74	51
143	Cerebral Ketone Body Oxidation Is Facilitated by a High Fat Diet Enriched with Advanced Glycation End Products in Normal and Diabetic Rats. <i>Frontiers in Neuroscience</i> , <b>2016</b> , 10, 509	5.1	4
142	Long-Lasting Metabolic Imbalance Related to Obesity Alters Olfactory Tissue Homeostasis and Impairs Olfactory-Driven Behaviors. <i>Chemical Senses</i> , <b>2015</b> , 40, 537-56	4.8	27
141	Caveolin expression changes in the neurovascular unit after juvenile traumatic brain injury: signs of blood-brain barrier healing?. <i>Neuroscience</i> , <b>2015</b> , 285, 215-26	3.9	44
140	Deficiency in monocarboxylate transporter 1 (MCT1) in mice delays regeneration of peripheral nerves following sciatic nerve crush. <i>Experimental Neurology</i> , <b>2015</b> , 263, 325-38	5.7	51
139	Neuroenergetic Response to Prolonged Cerebral Glucose Depletion after Severe Brain Injury and the Role of Lactate. <i>Journal of Neurotrauma</i> , <b>2015</b> , 32, 1560-6	5.4	22
138	A probable dual mode of action for both L- and D-lactate neuroprotection in cerebral ischemia. Journal of Cerebral Blood Flow and Metabolism, <b>2015</b> , 35, 1561-9	7-3	58

## (2011-2015)

	137	Distribution of monocarboxylate transporters in the peripheral nervous system suggests putative roles in lactate shuttling and myelination. <i>Journal of Neuroscience</i> , <b>2015</b> , 35, 4151-6	6.6	47
	136	Monocarboxylate transporters: new players in body weight regulation. <i>Obesity Reviews</i> , <b>2015</b> , 16 Suppl 1, 55-66	10.6	29
	135	Alzheimer <b>B</b> disease: the amyloid hypothesis and the Inverse Warburg effect. <i>Frontiers in Physiology</i> , <b>2014</b> , 5, 522	4.6	78
:	134	Oxygen tension controls the expression of the monocarboxylate transporter MCT4 in cultured mouse cortical astrocytes via a hypoxia-inducible factor-1Emediated transcriptional regulation. <i>Glia</i> , <b>2014</b> , 62, 477-90	9	52
	133	Cellular distribution of glucose and monocarboxylate transporters in human brain white matter and multiple sclerosis lesions. <i>Glia</i> , <b>2014</b> , 62, 1125-41	9	65
;	132	Glutamate reduces glucose utilization while concomitantly enhancing AQP9 and MCT2 expression in cultured rat hippocampal neurons. <i>Frontiers in Neuroscience</i> , <b>2014</b> , 8, 246	5.1	6
	131	Effects of sodium arsenite on neurite outgrowth and glutamate AMPA receptor expression in mouse cortical neurons. <i>NeuroToxicology</i> , <b>2013</b> , 37, 197-206	4.4	30
:	130	Unraveling the complex metabolic nature of astrocytes. <i>Frontiers in Cellular Neuroscience</i> , <b>2013</b> , 7, 179	6.1	100
	129	Resistance to diet-induced obesity and associated metabolic perturbations in haploinsufficient monocarboxylate transporter 1 mice. <i>PLoS ONE</i> , <b>2013</b> , 8, e82505	3.7	45
	128	Sweet sixteen for ANLS. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2012</b> , 32, 1152-66	7.3	482
	127	Alteration of glucose metabolism in cultured astrocytes after AQP9-small interference RNA application. <i>Brain Research</i> , <b>2012</b> , 1473, 19-24	3.7	18
	126	Oligodendroglia metabolically support axons and contribute to neurodegeneration. <i>Nature</i> , <b>2012</b> , 487, 443-8	50.4	997
	125	Rise in plasma lactate concentrations with psychosocial stress: a possible sign of cerebral energy demand. <i>Obesity Facts</i> , <b>2012</b> , 5, 384-92	5.1	19
	124	Determinants of brain cell metabolic phenotypes and energy substrate utilization unraveled with a modeling approach. <i>PLoS Computational Biology</i> , <b>2012</b> , 8, e1002686	5	14
	123	Endothelial cell-derived nitric oxide enhances aerobic glycolysis in astrocytes via HIF-1Emediated target gene activation. <i>Journal of Neuroscience</i> , <b>2012</b> , 32, 9727-35	6.6	75
	122	Brain energy consumption induced by electrical stimulation promotes systemic glucose uptake. <i>Biological Psychiatry</i> , <b>2011</b> , 70, 690-5	7.9	44
	121	Brain-derived neurotrophic factor enhances the hippocampal expression of key postsynaptic proteins in vivo including the monocarboxylate transporter MCT2. <i>Neuroscience</i> , <b>2011</b> , 192, 155-63	3.9	39
	120	The anorexigenic effects of metformin involve increases in hypothalamic leptin receptor expression. <i>Metabolism: Clinical and Experimental</i> , <b>2011</b> , 60, 327-34	12.7	53

119	Temporal changes in mRNA expression of the brain nutrient transporters in the lithium-pilocarpine model of epilepsy in the immature and adult rat. <i>Neurobiology of Disease</i> , <b>2011</b> , 43, 588-97	7.5	17
118	Nitric oxide induces the expression of the monocarboxylate transporter MCT4 in cultured astrocytes by a cGMP-independent transcriptional activation. <i>Glia</i> , <b>2011</b> , 59, 1987-95	9	21
117	Insights into Neuronal Cell Metabolism Using NMR Spectroscopy: Uridyl Diphosphate N-Acetyl-Glucosamine as a Unique Metabolic Marker. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 11876-11878	3.6	
116	Insights into neuronal cell metabolism using NMR spectroscopy: uridyl diphosphate N-acetyl-glucosamine as a unique metabolic marker. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 11672-4	16.4	6
115	Glycogen metabolism as a marker of astrocyte differentiation. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2010</b> , 30, 51-5	7.3	23
114	Brain-derived neurotrophic factor enhances the expression of the monocarboxylate transporter 2 through translational activation in mouse cultured cortical neurons. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2010</b> , 30, 286-98	7-3	46
113	Comment on recent modeling studies of astrocyte-neuron metabolic interactions. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2010</b> , 30, 1982-6	7.3	63
112	Food for thought: the importance of glucose and other energy substrates for sustaining brain function under varying levels of activity. <i>Diabetes and Metabolism</i> , <b>2010</b> , 36 Suppl 3, S59-63	5.4	55
111	Low plasma lactate concentration as a biomarker of an incompetent brain-pull: a risk factor for weight gain in type 2 diabetes patients. <i>Psychoneuroendocrinology</i> , <b>2010</b> , 35, 1287-93	5	3
110	Stimulation-induced increases of astrocytic oxidative metabolism in rats and humans investigated with 1-11C-acetate. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2009</b> , 29, 44-56	7.3	41
109	Enhanced cerebral expression of MCT1 and MCT2 in a rat ischemia model occurs in activated microglial cells. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2009</b> , 29, 1273-83	7.3	65
108	Linking supply to demand: the neuronal monocarboxylate transporter MCT2 and the alpha-amino-3-hydroxyl-5-methyl-4-isoxazole-propionic acid receptor GluR2/3 subunit are associated in a common trafficking process. <i>European Journal of Neuroscience</i> , <b>2009</b> , 29, 1951-63	3.5	29
107	Regulation of the intracellular distribution, cell surface expression, and protein levels of AMPA receptor GluR2 subunits by the monocarboxylate transporter MCT2 in neuronal cells. <i>Journal of Neurochemistry</i> , <b>2009</b> , 109, 1767-78	6	14
106	Monocarboxylate Transporters <b>2009</b> , 961-965		3
105	Glial Energy Metabolism: Overview <b>2009</b> , 783-788		1
104	Basal and stimulated lactate fluxes in primary cultures of astrocytes are differentially controlled by distinct proteins. <i>Journal of Neurochemistry</i> , <b>2008</b> , 107, 789-98	6	17
103	Making sense of AMPA receptor trafficking by modeling molecular mechanisms of synaptic plasticity. <i>Brain Research</i> , <b>2008</b> , 1207, 60-72	3.7	14
102	Distribution of the monocarboxylate transporter MCT2 in human cerebral cortex: an immunohistochemical study. <i>Brain Research</i> , <b>2008</b> , 1226, 61-9	3.7	20

### (2005-2008)

101	Differential energetic response of brain vs. skeletal muscle upon glycemic variations in healthy humans. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2008</b> , 294, R12-6	3.2	29
100	Brain energetics (thought needs food). <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , <b>2008</b> , 11, 701-5	3.8	62
99	Insulin and IGF-1 enhance the expression of the neuronal monocarboxylate transporter MCT2 by translational activation via stimulation of the phosphoinositide 3-kinase-Akt-mammalian target of rapamycin pathway. <i>European Journal of Neuroscience</i> , <b>2008</b> , 27, 53-65	3.5	42
98	Increased expression of monocarboxylate transporters 1, 2, and 4 in colorectal carcinomas. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , <b>2008</b> , 452, 139-46	5 <sup>5.1</sup>	181
97	Activity-dependent regulation of energy metabolism by astrocytes: an update. <i>Glia</i> , <b>2007</b> , 55, 1251-62	9	611
96	341 NEUROPATHIC PAIN AND SPINAL GLIA: CHARACTERIZATION OF C-JUN N-TERMINAL KINASE (JNK) ACTIVATION IN ASTROCYTE CULTURES. <i>European Journal of Pain</i> , <b>2007</b> , 11, S151-S152	3.7	
95	Enhanced expression of three monocarboxylate transporter isoforms in the brain of obese mice. Journal of Physiology, <b>2007</b> , 583, 469-86	3.9	55
94	Noradrenaline enhances the expression of the neuronal monocarboxylate transporter MCT2 by translational activation via stimulation of PI3K/Akt and the mTOR/S6K pathway. <i>Journal of Neurochemistry</i> , <b>2007</b> , 102, 389-97	6	43
93	Metabolic compartmentalization in the human cortex and hippocampus: evidence for a cell- and region-specific localization of lactate dehydrogenase 5 and pyruvate dehydrogenase. <i>BMC Neuroscience</i> , <b>2007</b> , 8, 35	3.2	42
92	A coherent neurobiological framework for functional neuroimaging provided by a model integrating compartmentalized energy metabolism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 4188-93	11.5	71
91	Activation of astrocytes by CNTF induces metabolic plasticity and increases resistance to metabolic insults. <i>Journal of Neuroscience</i> , <b>2007</b> , 27, 7094-104	6.6	90
90	Causes of obesity: looking beyond the hypothalamus. <i>Progress in Neurobiology</i> , <b>2007</b> , 81, 61-88	10.9	72
89	Expression of the monocarboxylate transporter MCT1 in the adult human brain cortex. <i>Brain Research</i> , <b>2006</b> , 1070, 65-70	3.7	49
88	Competition between glucose and lactate as oxidative energy substrates in both neurons and astrocytes: a comparative NMR study. <i>European Journal of Neuroscience</i> , <b>2006</b> , 24, 1687-94	3.5	150
87	Metabolic activation pattern of distinct hippocampal subregions during spatial learning and memory retrieval. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2006</b> , 26, 468-77	7-3	20
86	Unusual astrocyte reactivity caused by the food mycotoxin ochratoxin A in aggregating rat brain cell cultures. <i>Neuroscience</i> , <b>2005</b> , 134, 771-82	3.9	40
85	How astrocytes feed hungry neurons. <i>Molecular Neurobiology</i> , <b>2005</b> , 32, 59-72	6.2	97
84	Brain lactate kinetics: Modeling evidence for neuronal lactate uptake upon activation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2005</b> , 102, 16448-53	11.5	144

83	Ampakine CX546 bolsters energetic response of astrocytes: a novel target for cognitive-enhancing drugs acting as alpha-amino-3-hydroxy-5-methyl-4-isoxazolepropionic acid (AMPA) receptor modulators. <i>Journal of Neurochemistry</i> , <b>2005</b> , 92, 668-77	6	18
82	Monocarboxylate transporters in the central nervous system: distribution, regulation and function. Journal of Neurochemistry, <b>2005</b> , 94, 1-14	6	435
81	Cellular and subcellular distribution of monocarboxylate transporters in cultured brain cells and in the adult brain. <i>Journal of Neuroscience Research</i> , <b>2005</b> , 79, 55-64	4.4	191
80	Transfer of glycogen-derived lactate from astrocytes to axons via specific monocarboxylate transporters supports mouse optic nerve activity. <i>Journal of Neuroscience Research</i> , <b>2005</b> , 81, 644-52	4.4	165
79	Selective postsynaptic co-localization of MCT2 with AMPA receptor GluR2/3 subunits at excitatory synapses exhibiting AMPA receptor trafficking. <i>Cerebral Cortex</i> , <b>2005</b> , 15, 361-70	5.1	88
78	Theoretical support for the astrocyte-neuron lactate shuttle hypothesis. I. Modeling neuronal and astrocytic NADH/NAD+ kinetics. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2005</b> , 25, S72-S72	7.3	
77	Theoretical support for the astrocyte-neuron lactate shuttle hypothesis. II. Modeling brain lactate kinetics. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2005</b> , 25, S90-S90	7.3	
76	Ampakine CX546 bolsters energetic response of astrocytes: A novel target for cognitive-enhancing drugs acting as AMPA receptor modulators. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2005</b> , 25, S70-S70	7.3	
75	Effects of pro-inflammatory cytokines and beta-amyloid peptide on glucose metabolism in primary cultures of astrocytes. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2005</b> , 25, S74-S74	7.3	
74	The central role of astrocytes in neurometabolic coupling: A decadeß perspective. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2005</b> , 25, S71-S71	7.3	
73	Dual-gene, dual-cell type therapy against an excitotoxic insult by bolstering neuroenergetics. Journal of Neuroscience, <b>2004</b> , 24, 6202-8	6.6	46
72	Empiricism and rationalism: two paths toward the same goal. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2004</b> , 24, 1240-1	7.3	7
71	Quantitative rt-PCR analysis of uncoupling protein isoforms in mouse brain cortex: methodological optimization and comparison of expression with brown adipose tissue and skeletal muscle. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2004</b> , 24, 780-8	7.3	53
70	Immunocytochemical expression of monocarboxylate transporters in the human visual cortex at midgestation. <i>Developmental Brain Research</i> , <b>2004</b> , 148, 69-76		13
69	Early acquisition of typical metabolic features upon differentiation of mouse neural stem cells into astrocytes. <i>Glia</i> , <b>2004</b> , 46, 8-17	9	46
68	The selfish brain: competition for energy resources. <i>Neuroscience and Biobehavioral Reviews</i> , <b>2004</b> , 28, 143-80	9	337
67	Neuroenergetics: calling upon astrocytes to satisfy hungry neurons. <i>Neuroscientist</i> , <b>2004</b> , 10, 53-62	7.6	194
66	Glucocorticoids modulate neurotransmitter-induced glycogen metabolism in cultured cortical astrocytes. <i>Journal of Neurochemistry</i> , <b>2004</b> , 88, 900-8	6	62

65	Neuroscience. Let there be (NADH) light. Science, 2004, 305, 50-2	33.3	86
64	Perfusion Tracers: Biological Bases and Clinical Implications <b>2004</b> , 33-44		
63	A2B receptor activation promotes glycogen synthesis in astrocytes through modulation of gene expression. <i>American Journal of Physiology - Cell Physiology</i> , <b>2003</b> , 284, C696-704	5.4	49
62	Perinatal and early postnatal changes in the expression of monocarboxylate transporters MCT1 and MCT2 in the rat forebrain. <i>Journal of Comparative Neurology</i> , <b>2003</b> , 465, 445-54	3.4	36
61	Cell-specific expression pattern of monocarboxylate transporters in astrocytes and neurons observed in different mouse brain cortical cell cultures. <i>Journal of Neuroscience Research</i> , <b>2003</b> , 73, 141	- <del>\$</del> 5 <sup>4</sup>	108
60	Noradrenaline enhances monocarboxylate transporter 2 expression in cultured mouse cortical neurons via a translational regulation. <i>Journal of Neurochemistry</i> , <b>2003</b> , 86, 1468-76	6	49
59	Fast food delivery: the response of nursing astrocytes to an exciting call from neurons. <i>Journal of Neurochemistry</i> , <b>2003</b> , 85, 9-9	6	
58	Lactate is a preferential oxidative energy substrate over glucose for neurons in culture. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2003</b> , 23, 1298-306	7.3	239
57	Food for thought: challenging the dogmas. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2003</b> , 23, 1282-6	7.3	149
56	How to balance the brain energy budget while spending glucose differently. <i>Journal of Physiology</i> , <b>2003</b> , 546, 325	3.9	62
55	Cryopreservation of human brain tissue allowing timely production of viable adult human brain cells for autologous transplantation. <i>Cryobiology</i> , <b>2003</b> , 47, 179-83	2.7	18
54	Lactate as a pivotal element in neuron-glia metabolic cooperation. <i>Neurochemistry International</i> , <b>2003</b> , 43, 331-8	4.4	182
53	Glial glutamate transporters mediate a functional metabolic crosstalk between neurons and astrocytes in the mouse developing cortex. <i>Neuron</i> , <b>2003</b> , 37, 275-86	13.9	232
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