

# Christopher M Anderson

## List of Publications by Year in descending order

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37  
papers

4,081  
citations

201575

27  
h-index

345118

36  
g-index

37  
all docs

37  
docs citations

37  
times ranked

5273  
citing authors

#	ARTICLE	IF	CITATIONS
1	Astrocyte glutamate transport: Review of properties, regulation, and physiological functions. <i>Glia</i> , 2000, 32, 1-14.	2.5	1,057
2	P2X <sub>7</sub> Receptor-Mediated Release of Excitatory Amino Acids from Astrocytes. <i>Journal of Neuroscience</i> , 2003, 23, 1320-1328.	1.7	447
3	Glutamate Induces Rapid Upregulation of Astrocyte Glutamate Transport and Cell-Surface Expression of GLAST. <i>Journal of Neuroscience</i> , 1999, 19, 10193-10200.	1.7	274
4	ATP-induced ATP release from astrocytes. <i>Journal of Neurochemistry</i> , 2004, 88, 246-256.	2.1	223
5	Multifunctional role of astrocytes as gatekeepers of neuronal energy supply. <i>Frontiers in Cellular Neuroscience</i> , 2013, 7, 38.	1.8	206
6	Emerging challenges of assigning P2X <sub>7</sub> receptor function and immunoreactivity in neurons. <i>Trends in Neurosciences</i> , 2006, 29, 257-262.	4.2	196
7	Astrocyte dysfunction in Alzheimer disease. <i>Journal of Neuroscience Research</i> , 2017, 95, 2430-2447.	1.3	189
8	Astrocyte-mediated control of cerebral microcirculation. <i>Trends in Neurosciences</i> , 2003, 26, 340-344.	4.2	163
9	Astrocyte Glycogen Sustains Neuronal Activity during Hypoglycemia: Studies with the Glycogen Phosphorylase Inhibitor CP-316,819 ([R-R*,S*]-5-Chloro-N-[2-hydroxy-3-(methoxymethylamino)-3-oxo-1-(phenylmethyl)propyl]-1H-indole-2-carboxamide) <sup>1,3</sup> . <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2007, 321, 45-50.	1.3	162
10	Physiological Roles of Non-Neuronal NMDA Receptors. <i>Trends in Pharmacological Sciences</i> , 2016, 37, 750-767.	4.0	115
11	Distribution of Equilibrative, Nitrobenzylthioinosine-Sensitive Nucleoside Transporters (ENT1) in Brain. <i>Journal of Neurochemistry</i> , 2002, 73, 867-873.	2.1	100
12	Astrocyte-induced cortical vasodilation is mediated by D-serine and endothelial nitric oxide synthase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 3149-3154.	3.3	96
13	Differing effects of substrate and non-substrate transport inhibitors on glutamate uptake reversal. <i>Journal of Neurochemistry</i> , 2002, 79, 1207-1216.	2.1	72
14	Cellular distribution of the neutral amino acid transporter subtype ASCT2 in mouse brain. <i>Journal of Neurochemistry</i> , 2009, 108, 372-383.	2.1	66
15	Demonstration of the existence of mRNAs encoding N1/cif and N2/cit sodium/nucleoside cotransporters in rat brain. <i>Molecular Brain Research</i> , 1996, 42, 358-361.	2.5	65
16	Distribution of mRNA encoding a nitrobenzylthioinosine-insensitive nucleoside transporter (ENT2) in rat brain. <i>Molecular Brain Research</i> , 1999, 70, 293-297.	2.5	65
17	Coactivation of NMDA Receptors by Glutamate and D-Serine Induces Dilation of Isolated Middle Cerebral Arteries. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2012, 32, 537-547.	2.4	61
18	Endothelial NMDA receptors mediate activity-dependent brain hemodynamic responses in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 10229-10231.	3.3	56

#	ARTICLE	IF	CITATIONS
19	NF- $\kappa$ B transcriptional activation by TNF $\alpha$ requires phospholipase C, extracellular signal-regulated kinase 2 and poly(ADP-ribose) polymerase-1. <i>Journal of Neuroinflammation</i> , 2015, 12, 229.	3.1	49
20	Astrocytes drive cortical vasodilatory signaling by activating endothelial NMDA receptors. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2019, 39, 481-496.	2.4	49
21	Poly(ADP-Ribose) Polymerase-1 Causes Mitochondrial Damage and Neuron Death Mediated by Bnip3. <i>Journal of Neuroscience</i> , 2014, 34, 15975-15987.	1.7	45
22	Barbiturates Induce Mitochondrial Depolarization and Potentiate Excitotoxic Neuronal Death. <i>Journal of Neuroscience</i> , 2002, 22, 9203-9209.	1.7	38
23	Protection of cortical neurons from excitotoxicity by conjugated linoleic acid. <i>Journal of Neurochemistry</i> , 2010, 115, 123-130.	2.1	36
24	Zinc Inhibits Astrocyte Glutamate Uptake by Activation of Poly(ADP-ribose) Polymerase-1. <i>Molecular Medicine</i> , 2007, 13, 344-349.	1.9	35
25	Astrocytic poly(ADP-ribose) polymerase-1 activation leads to bioenergetic depletion and inhibition of glutamate uptake capacity. <i>Glia</i> , 2010, 58, 446-457.	2.5	34
26	Functional and immunocytochemical characterization of D-serine transporters in cortical neuron and astrocyte cultures. <i>Journal of Neuroscience Research</i> , 2009, 87, 2520-2530.	1.3	34
27	Vascular and Cardiac Effects of Grape Powder in the Spontaneously Hypertensive Rat. <i>American Journal of Hypertension</i> , 2012, 25, 1070-1076.	1.0	31
28	Poly(ADP-ribose) polymerase 2 contributes to neuroinflammation and neurological dysfunction in mouse experimental autoimmune encephalomyelitis. <i>Journal of Neuroinflammation</i> , 2013, 10, 49.	3.1	26
29	Astrocyte glutamate transport: Review of properties, regulation, and physiological functions. <i>Glia</i> , 2000, 32, 1-14.	2.5	24
30	Poly(ADP-ribose) polymerase-1 inhibits mitochondrial respiration by suppressing PGC-1 $\alpha$ activity in neurons. <i>Neuropharmacology</i> , 2019, 160, 107755.	2.0	16
31	Cardiovascular disease and the risk of dementia: a survival analysis using administrative data from Manitoba. <i>Canadian Journal of Public Health</i> , 2022, 113, 455-464.	1.1	11
32	Ability of nitrobenzylthioinosine to cross the blood-brain barrier in rats. <i>Neuroscience Letters</i> , 1996, 219, 191-194.	1.0	9
33	Peripheral and Cerebral Resistance Arteries in the Spontaneously Hypertensive Heart Failure Rat: Effects of Stilbenoid Polyphenols. <i>Molecules</i> , 2017, 22, 380.	1.7	9
34	Activation of Cannabinoid Receptors Attenuates Endothelin-1-Induced Mitochondrial Dysfunction in Rat Ventricular Myocytes. <i>Journal of Cardiovascular Pharmacology</i> , 2020, 75, 54-63.	0.8	9
35	Putting It on the Line: Telephone Counseling for Adolescent Smokers. <i>Journal of Counseling and Development</i> , 2005, 83, 416-424.	1.3	8
36	Astrocyte glutamate transport: Review of properties, regulation, and physiological functions. , 0, .		3

#	ARTICLE	IF	CITATIONS
37	Custom astrocyte-mediated vasomotor responses to neuronal energy demand. <i>Genome Biology</i> , 2009, 10, 209.	13.9	2