Alexander A Mongin

List of Publications by Year
in descending order

54	2,455	172457 29	206112 48
papers	citations	h-index	g-index

58	58	58	2619
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	xCT/SLC7A11 antiporter function inhibits HIV-1 infection. Virology, 2021, 556, 149-160.	2.4	10
2	Editorial: Ion and Water Transport in Cell Death. Frontiers in Cell and Developmental Biology, 2021, 9, 757033.	3.7	1
3	Late adolescence mortality in mice with brainâ€specific deletion of the volumeâ€regulated anion channel subunit LRRC8A. FASEB Journal, 2021, 35, e21869.	0.5	10
4	Metabolic constraints of swellingâ€activated glutamate release in astrocytes and their implication for ischemic tissue damage. Journal of Neurochemistry, 2019, 151, 255-272.	3.9	21
5	The signaling role for chloride in the bidirectional communication between neurons and astrocytes. Neuroscience Letters, 2019, 689, 33-44.	2.1	49
6	Cell Volume Control in Healthy Brain and Neuropathologies. Current Topics in Membranes, 2018, 81, 385-455.	0.9	52
7	Downregulation of Leucine-Rich Repeat-Containing 8A Limits Proliferation and Increases Sensitivity of Glioblastoma to Temozolomide and Carmustine. Frontiers in Oncology, 2018, 8, 142.	2.8	29
8	Molecular composition and heterogeneity of the LRRC8â€containing swellingâ€activated osmolyte channels in primary rat astrocytes. Journal of Physiology, 2017, 595, 6939-6951.	2.9	82
9	Recombinant Adeno-Associated Virus Serotype 6 (rAAV6) Potently and Preferentially Transduces Rat Astrocytes In vitro and In vivo. Frontiers in Cellular Neuroscience, 2016, 10, 262.	3.7	19
10	Volume-regulated anion channelâ€"a frenemy within the brain. Pflugers Archiv European Journal of Physiology, 2016, 468, 421-441.	2.8	84
11	AMPA-Kainate Receptor Inhibition Promotes Neurologic Recovery in Premature Rabbits with Intraventricular Hemorrhage. Journal of Neuroscience, 2016, 36, 3363-3377.	3.6	38
12	Intracellular levels of glutamate in swollen astrocytes are preserved via neurotransmitter reuptake and de novo synthesis: implications for hyponatremia. Journal of Neurochemistry, 2015, 135, 176-185.	3.9	9
13	Critical role of the Î±1-Na+, K+-ATPase subunit in insensitivity of rodent cells to cytotoxic action of ouabain. Apoptosis: an International Journal on Programmed Cell Death, 2015, 20, 1200-1210.	4.9	33
14	Effects of alternative splicing on the function of bestrophin-1 calcium-activated chloride channels. Biochemical Journal, 2014, 458, 575-583.	3.7	7
15	The neuroprotective properties of the superoxide dismutase mimetic tempol correlate with its ability to reduce pathological glutamate release in a rodent model of stroke. Free Radical Biology and Medicine, 2014, 77, 168-182.	2.9	57
16	Enhanced GLT-1 mediated glutamate uptake and migration of primary astrocytes directed by fibronectin-coated electrospun poly-l-lactic acid fibers. Biomaterials, 2014, 35, 1439-1449.	11.4	85
17	LRRC8A protein is indispensable for swellingâ€activated and ATPâ€induced release of excitatory amino acids in rat astrocytes. Journal of Physiology, 2014, 592, 4855-4862.	2.9	106
18	STIM1 and Orai1 mediate CRAC channel activity and are essential for human glioblastoma invasion. Pflugers Archiv European Journal of Physiology, 2013, 465, 1249-1260.	2.8	157

#	Article	IF	Citations
19	DCPIB, the Proposed Selective Blocker of Volume-Regulated Anion Channels, Inhibits Several Glutamate Transport Pathways in Glial Cells. Molecular Pharmacology, 2013, 83, 22-32.	2.3	67
20	Potential link between cysteinyl-leukotriene receptors and release of bioactive amino acids in regulation of lung function. Focus on â€œVolume-sensitive release of organic osmolytes in the human lung epithelial cell line A549: role of the 5-lipoxygenaseâ€. American Journal of Physiology - Cell Physiology, 2013, 305, C24-C25.	4.6	3
21	Air-Stimulated ATP Release from Keratinocytes Occurs through Connexin Hemichannels. PLoS ONE, 2013, 8, e56744.	2.5	50
22	TRAM-34, a Putatively Selective Blocker of Intermediate-Conductance, Calcium-Activated Potassium Channels, Inhibits Cytochrome P450 Activity. PLoS ONE, 2013, 8, e63028.	2.5	26
23	Neuroprotective properties of antioxidants in stroke correlate with their effects on ischemic release of glutamate. FASEB Journal, 2013, 27, 1142.9.	0.5	0
24	Selective Vulnerability of Synaptic Signaling and Metabolism to Nitrosative Stress. Antioxidants and Redox Signaling, 2012, 17, 992-1012.	5.4	17
25	A simple method for measuring intracellular activities of glutamine synthetase and glutaminase in glial cells. American Journal of Physiology - Cell Physiology, 2011, 301, C814-C822.	4.6	21
26	Hypoâ€osmotic swelling modifies glutamateâ€glutamine cycle in the cerebral cortex and in astrocyte cultures. Journal of Neurochemistry, 2011, 118, 140-152.	3.9	23
27	Activation of P2Y receptors causes strong and persistent shrinkage of C11-MDCK renal epithelial cells. American Journal of Physiology - Cell Physiology, 2011, 301, C403-C412.	4.6	9
28	Long-lasting inhibition of presynaptic metabolism and neurotransmitter release by protein S-nitrosylation. Free Radical Biology and Medicine, 2010, 49, 757-769.	2.9	27
29	Calcium-Activated Potassium Channels BK and IK1 Are Functionally Expressed in Human Gliomas but Do Not Regulate Cell Proliferation. PLoS ONE, 2010, 5, e12304.	2.5	71
30	Regulation of Cell Volume in Neural Cells. , 2009, , 81-87.		1
31	Two conventional protein kinase C isoforms, Î± and Î²I, are involved in the ATPâ€induced activation of volumeâ€regulated anion channel and glutamate release in cultured astrocytes. Journal of Neurochemistry, 2008, 105, 2260-2270.	3.9	37
32	Activation of microglia with zymosan promotes excitatory amino acid release via volumeâ€regulated anion channels: the role of NADPH oxidases. Journal of Neurochemistry, 2008, 106, 2449-2462.	3.9	94
33	Two Distinct Modes of Hypoosmotic Medium-Induced Release of Excitatory Amino Acids and Taurine in the Rat Brain In Vivo. PLoS ONE, 2008, 3, e3543.	2.5	59
34	Salt-sensing mechanisms in blood pressure regulation and hypertension. American Journal of Physiology - Heart and Circulatory Physiology, 2007, 293, H2039-H2053.	3.2	89
35	Disruption of ionic and cell volume homeostasis in cerebral ischemia: The perfect storm. Pathophysiology, 2007, 14, 183-193.	2.2	80
36	Pharmacological comparison of swelling-activated excitatory amino acid release and Clâ^'currents in cultured rat astrocytes. Journal of Physiology, 2006, 572, 677-689.	2.9	114

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37	ATP regulates anion channel-mediated organic osmolyte release from cultured rat astrocytes via multiple Ca2+-sensitive mechanisms. American Journal of Physiology - Cell Physiology, 2005, 288, C204-C213.	4.6	103
38	Hydrogen Peroxide Potentiates Volume-sensitive Excitatory Amino Acid Release via a Mechanism Involving Ca2+/Calmodulin-dependent Protein Kinase II*. Journal of Biological Chemistry, 2005, 280, 3548-3554.	3.4	44
39	Astrocytic Swelling in Neuropathology. , 2004, , 550-562.		10
40	Is autocrine ATP release required for activation of volume-sensitive chloride channels?. Journal of Neurophysiology, 2003, 90, 2791-2793.	1.8	8
41	Nitric Oxide May Contribute to the Long-Term Impairment of Synaptic Transmission After Transient Ischemia. Stroke, 2002, 33, 2348-2350.	2.0	5
42	ATP potently modulates anion channel-mediated excitatory amino acid release from cultured astrocytes. American Journal of Physiology - Cell Physiology, 2002, 283, C569-C578.	4.6	109
43	Peroxynitrite enhances astrocytic volume-sensitive excitatory amino acid release via a src tyrosine kinase-dependent mechanism. Journal of Neurochemistry, 2002, 82, 903-912.	3.9	38
44	Mechanisms of cell volume regulation and possible nature of the cell volume sensor. Pathophysiology, 2001, 8, 77-88.	2.2	110
45	Tamoxifen inhibits nitrotyrosine formation after reversible middle cerebral artery occlusion in the rat. Journal of Neurochemistry, 2001, 76, 1842-1850.	3.9	63
46	[³H]taurine and<scp>d</scp>-[³H]aspartate release from astrocyte cultures are differently regulated by tyrosine kinases. American Journal of Physiology - Cell Physiology, 1999, 276, C1226-C1230.	4.6	61
47	Volume-dependent taurine release from cultured astrocytes requires permissive [Ca²⁺]_iand calmodulin. American Journal of Physiology - Cell Physiology, 1999, 277, C823-C832.	4.6	63
48	Intracellular ATP depletion inhibits swelling-induced d-[3H]aspartate release from primary astrocyte cultures. Brain Research, 1999, 842, 39-45.	2.2	27
49	Swelling-Activated Release of Excitatory Amino Acids in the Brain: Relevance for Pathophysiology. , 1998, 123, 240-257.		58
50	Hypoosmotic shock activates Ca2+ channels in isolated nerve terminals. Neurochemistry International, 1997, 31, 835-843.	3.8	16
51	Swelling-induced activation of Na+,K+,2Clâ^' cotransport in C6 glioma cells: kinetic properties and intracellular signalling mechanisms. Biochimica Et Biophysica Acta - Biomembranes, 1996, 1285, 229-236.	2.6	22
52	Osmotic regulation of sodium pump in rat brain synaptosomes: the role of cytoplasmic sodium. Brain Research, 1994, 644, 1-6.	2.2	12
53	Swelling-induced K+ influx in cultured primary astrocytes. Brain Research, 1994, 655, 110-114.	2.2	33
54	Kinetics and peculiarities of thermal inactivation of volume-induced Na+/H+ exchange, Na+, K+, 2Clâ^' cotransport and K+, Clâ^' cotransport in rat erythrocytes. Biochimica Et Biophysica Acta - Biomembranes, 1993, 1151, 186-192.	2.6	33