Francisco Javier Alvarez-Leefmans

List of Publications by Year
in descending order

17	887	840776 11	940533 16
papers	citations	h-index	g-index

17	17	17	1044
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Measurement of Cell Volume Changes by Fluorescence Self-Quenching. Journal of Fluorescence, 2002, 12, 139-145.	2.5	145
2	Cation-Chloride Cotransporters and GABA-ergic Innervation in the Human Epileptic Hippocampus. Epilepsia, 2007, 48, 663-673.	5.1	134
3	Cotransport of water by the Na⁺-K⁺-2Cl^{â^'}cotransporter NKCC1 in mammalian epithelial cells. Journal of Physiology, 2010, 588, 4089-4101.	2.9	100
4	Na⁺,K⁺,2Cl^{â^'} Cotransport and Intracellular Chloride Regulation in Rat Primary Sensory Neurons: Thermodynamic and Kinetic Aspects. Journal of Neurophysiology, 2008, 100, 169-184.	1.8	82
5	Peripheral and central antinociceptive action of Na+â€“K+â€“2Clâ^' cotransporter blockers on formalin-induced nociception in rats. Pain, 2005, 114, 231-238.	4.2	78
6	Molecular and functional expression of cation-chloride cotransporters in dorsal root ganglion neurons during postnatal maturation. Journal of Neurophysiology, 2012, 108, 834-852.	1.8	75
7	Water permeability of Na+-K+-2Clâ^'cotransporters in mammalian epithelial cells. Journal of Physiology, 2005, 568, 123-135.	2.9	63
8	Genetic and pharmacological inactivation of apical Na⁺-K⁺-2Cl^{â^'}cotransporter 1 in choroid plexus epithelial cells reveals the physiological function of the cotransporter. American Journal of Physiology - Cell Physiology, 2019, 316, C525-C544.	4.6	53
9	[19] Use of ion-selective microelectrodes andfluorescent probes to measure cell volume. Methods in Neurosciences, 1995, 27, 361-391.	0.5	47
10	Simultaneous Measurement of Water Volume and pH in Single Cells Using BCECF and Fluorescence Imaging Microscopy. Biophysical Journal, 2006, 90, 608-618.	0.5	34
11	Expression of the <i>Slc12a1</i> Gene in Pancreatic Î²-cells: Molecular Characterization and <i>in silico</i> Analysis. Cellular Physiology and Biochemistry, 2012, 30, 95-112.	1.6	31
12	Intracellular Chloride Regulation. , 2012, , 221-259.		12
13	Parallel Changes in Intracellular Water Volume and pH Induced by NH₃/NH₄⁺Exposure in Single Neuroblastoma Cells. Cellular Physiology and Biochemistry, 2013, 32, 57-76.	1.6	11
14	CrossTalk proposal: Apical NKCC1 of choroid plexus epithelial cells works in the net inward flux mode under basal conditions, maintaining intracellular Cl^{â^'} and cell volume. Journal of Physiology, 2020, 598, 4733-4736.	2.9	11
15	Rebuttal from Francisco J. Alvarezâ€Leefmans. Journal of Physiology, 2020, 598, 4741-4742.	2.9	6
16	The apical NKCC1 cotransporter debate. FASEB Journal, 2012, 26, 881.14.	0.5	3
17	Plasma Membrane Targeting of Endogenous NKCC2 in COS7 Cells Bypasses Functional Golgi Cisternae and Complex N-Glycosylation. Frontiers in Cell and Developmental Biology, 2017, 4, 150.	3.7	2