

Francisco Javier Alvarez-Leefmans

List of Publications by Year in descending order

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17
papers

887
citations

840776

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h-index

940533

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times ranked

1044
citing authors

#	ARTICLE	IF	CITATIONS
1	CrossTalk proposal: Apical NKCC1 of choroid plexus epithelial cells works in the net inward flux mode under basal conditions, maintaining intracellular Cl ⁺ and cell volume. Journal of Physiology, 2020, 598, 4733-4736.	2.9	11
2	Rebuttal from Francisco J. Alvarez-Leefmans. Journal of Physiology, 2020, 598, 4741-4742.	2.9	6
3	Genetic and pharmacological inactivation of apical Na ⁺ -K ⁺ -2Cl ⁻ 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
4	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
5	Parallel Changes in Intracellular Water Volume and pH Induced by NH ₃ /NH ₄ ⁺ Exposure in Single Neuroblastoma Cells. Cellular Physiology and Biochemistry, 2013, 32, 57-76.	1.6	11
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	Expression of the Slc12a1 Gene in Pancreatic Î ² -cells: Molecular Characterization and in silico Analysis. Cellular Physiology and Biochemistry, 2012, 30, 95-112.	1.6	31
8	Intracellular Chloride Regulation. , 2012, , 221-259.		12
9	The apical NKCC1 cotransporter debate. FASEB Journal, 2012, 26, 881.14.	0.5	3
10	Cotransport of water by the Na ⁺ -K ⁺ -2Cl ⁻ cotransporter NKCC1 in mammalian epithelial cells. Journal of Physiology, 2010, 588, 4089-4101.	2.9	100
11	Na ⁺ ,K ⁺ ,2Cl ⁻ Cotransport and Intracellular Chloride Regulation in Rat Primary Sensory Neurons: Thermodynamic and Kinetic Aspects. Journal of Neurophysiology, 2008, 100, 169-184.	1.8	82
12	Cation-Chloride Cotransporters and GABA-ergic Innervation in the Human Epileptic Hippocampus. Epilepsia, 2007, 48, 663-673.	5.1	134
13	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
14	Water permeability of Na ⁺ -K ⁺ -2Cl ⁻ cotransporters in mammalian epithelial cells. Journal of Physiology, 2005, 568, 123-135.	2.9	63
15	Peripheral and central antinociceptive action of Na ⁺ -K ⁺ -2Cl ⁻ cotransporter blockers on formalin-induced nociception in rats. Pain, 2005, 114, 231-238.	4.2	78
16	Measurement of Cell Volume Changes by Fluorescence Self-Quenching. Journal of Fluorescence, 2002, 12, 139-145.	2.5	145
17	[19] Use of ion-selective microelectrodes and fluorescent probes to measure cell volume. Methods in Neurosciences, 1995, 27, 361-391.	0.5	47