

Jean-Yves Lapointe

List of Publications by Year in descending order

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32
papers

1,279
citations

394286

19
h-index

414303

32
g-index

32
all docs

32
docs citations

32
times ranked

1219
citing authors

#	ARTICLE	IF	CITATIONS
1	Macula densa cell signaling involves ATP release through a maxi anion channel. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 4322-4327.	3.3	263
2	The human tumour suppressor gene SLC5A8 expresses a Na ⁺ -monocarboxylate cotransporter. Journal of Physiology, 2004, 557, 719-731.	1.3	143
3	Identification of a Novel Na ⁺ /myo-Inositol Cotransporter. Journal of Biological Chemistry, 2002, 277, 35219-35224.	1.6	141
4	MAP17 Is a Necessary Activator of Renal Na ⁺ /Glucose Cotransporter SGLT2. Journal of the American Society of Nephrology: JASN, 2017, 28, 85-93.	3.0	71
5	Intracellular Hypertonicity Is Responsible for Water Flux Associated with Na ⁺ /Glucose Cotransport. Biophysical Journal, 2006, 90, 3546-3554.	0.2	56
6	SMIT2 mediates all myo-inositol uptake in apical membranes of rat small intestine. American Journal of Physiology - Renal Physiology, 2007, 293, G1300-G1307.	1.6	56
7	Glucose Accumulation Can Account for the Initial Water Flux Triggered by Na ⁺ /Glucose Cotransport. Biophysical Journal, 2004, 86, 125-133.	0.2	48
8	Electrogenic amino acid exchange via the rBAT transporter. FEBS Letters, 1994, 356, 174-178.	1.3	44
9	Functional expression of tagged human Na ⁺ -glucose cotransporter in <i>Xenopus laevis</i> oocytes. Journal of Physiology, 1999, 520, 359-371.	1.3	41
10	Determination of transport stoichiometry for two cation-coupled myo-inositol cotransporters: SMIT2 and HMIT. Journal of Physiology, 2005, 563, 333-343.	1.3	38
11	Elaboration of a novel technique for purification of plasma membranes from <i>Xenopus laevis</i> oocytes. American Journal of Physiology - Cell Physiology, 2007, 292, C1132-C1136.	2.1	35
12	The Structural Pathway for Water Permeation through Sodium-Glucose Cotransporters. Biophysical Journal, 2011, 101, 1887-1895.	0.2	35
13	Establishing a Definitive Stoichiometry for the Na ⁺ /Monocarboxylate Cotransporter SMCT1. Biophysical Journal, 2007, 93, 2325-2331.	0.2	33
14	CHARACTERISTICS OF MEMBRANE TRANSPORT PROCESSES OF MACULA Densa CELLS. Clinical and Experimental Pharmacology and Physiology, 1997, 24, 541-547.	0.9	31
15	Expression and functionality of the Na ⁺ /myo-inositol cotransporter SMIT2 in rabbit kidney. Biochimica Et Biophysica Acta - Biomembranes, 2007, 1768, 1154-1159.	1.4	29
16	Identification of a Disulfide Bridge Linking the Fourth and the Seventh Extracellular Loops of the Na ⁺ /Glucose Cotransporter. Journal of General Physiology, 2006, 127, 145-158.	0.9	24
17	Controversy regarding the secondary active water transport hypothesis. Biochemistry and Cell Biology, 2002, 80, 525-533.	0.9	21
18	Effects of hyperosmolarity on the Na ⁺ -myo-inositol cotransporter SMIT2 stably transfected in the Madin-Darby canine kidney cell line. American Journal of Physiology - Cell Physiology, 2008, 295, C791-C799.	2.1	21

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19	Expression of the sodium-myo-inositol cotransporter SMIT2 at the apical membrane of Madin-Darby canine kidney cells. <i>Journal of Physiology</i> , 2004, 558, 759-768.	1.3	20
20	The presence of local osmotic gradients can account for the water flux driven by the Na + α glucose cotransporter. <i>Journal of Physiology</i> , 2002, 542, 61-62.	1.3	19
21	The Actual Ionic Nature of the Leak Current through the Na+/Glucose Cotransporter SGLT1. <i>Biophysical Journal</i> , 2010, 98, 231-239.	0.2	18
22	Membrane topology of loop 13 α 14 of the Na+/glucose cotransporter (SGLT1): A SCAM and fluorescent labelling study. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2005, 1712, 173-184.	1.4	16
23	Calcium-activated nonselective cationic channel in macula densa cells. <i>American Journal of Physiology - Renal Physiology</i> , 2003, 285, F275-F280.	1.3	13
24	Response to Zeuthen and Zeuthen's Comment to the Editor: Enough Local Hypertonicity Is Enough. <i>Biophysical Journal</i> , 2007, 93, 1417-1419.	0.2	12
25	Effect of Substrate on the Pre-Steady-State Kinetics of the Na+/Glucose Cotransporter. <i>Biophysical Journal</i> , 2007, 92, 461-472.	0.2	10
26	Voltage-Clamp Fluorometry in the Local Environment of the C255 α C511 Disulfide Bridge of the Na+/Glucose Cotransporter. <i>Biophysical Journal</i> , 2007, 92, 2403-2411.	0.2	8
27	Simulated annealing reveals the kinetic activity of SGLT1, a member of the LeuT structural family. <i>Journal of General Physiology</i> , 2012, 140, 361-374.	0.9	8
28	Anionic leak currents through the Na+/monocarboxylate cotransporter SMCT1. <i>American Journal of Physiology - Cell Physiology</i> , 2010, 298, C124-C131.	2.1	7
29	The transport mechanism of the human sodium/myo-inositol transporter 2 (SMIT2/SGLT6), a member of the LeuT structural family. <i>American Journal of Physiology - Cell Physiology</i> , 2014, 307, C431-C441.	2.1	7
30	Measuring ion transport activities in <i>Xenopus</i> oocytes using the ion-trap technique. <i>American Journal of Physiology - Cell Physiology</i> , 2008, 295, C1464-C1472.	2.1	6
31	Functional studies of a chimeric protein containing portions of the Na+/glucose and Na+/myo-inositol cotransporters. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2000, 1466, 139-150.	1.4	4
32	Stimulating Effect of External Myo-Inositol on the Expression of Mutant Forms of Aquaporin 2. <i>Journal of Membrane Biology</i> , 2010, 236, 225-232.	1.0	1