

# Juan Pablo Rossi

## List of Publications by Citations

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33  
papers

359  
citations

13  
h-index

17  
g-index

34  
ext. papers

386  
ext. citations

3.7  
avg, IF

2.58  
L-index

#	Paper	IF	Citations
33	Thermal stability of the plasma membrane calcium pump. Quantitative analysis of its dependence on lipid-protein interactions. <i>Journal of Membrane Biology</i> , <b>2000</b> , 173, 215-25	2.3	31
32	Molecular characterization of the glycated plasma membrane calcium pump. <i>Journal of Membrane Biology</i> , <b>1999</b> , 171, 25-34	2.3	27
31	Determination of the dissociation constants for Ca <sup>2+</sup> and calmodulin from the plasma membrane Ca <sup>2+</sup> pump by a lipid probe that senses membrane domain changes. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 123-30	5.4	20
30	Identification of transmembrane domains of the red cell calcium pump with a new photoactivatable phospholipidic probe. <i>Biochemical and Biophysical Research Communications</i> , <b>1994</b> , 201, 194-200	3.4	20
29	Quantitation of plasma membrane calcium pump phosphorylated intermediates by electrophoresis. <i>Analytical Biochemistry</i> , <b>2001</b> , 289, 267-73	3.1	19
28	Export and folding of signal-sequenceless <i>Bacillus licheniformis</i> beta-lactamase in <i>Escherichia coli</i> . <i>FEBS Journal</i> , <b>2000</b> , 267, 3836-47		19
27	Oligomerization of the plasma membrane calcium pump involves two regions with different thermal stability. <i>FEBS Letters</i> , <b>2000</b> , 483, 99-103	3.8	19
26	Reversal of the calcium pump in human red cells. <i>Journal of Membrane Biology</i> , <b>1978</b> , 44, 37-46	2.3	19
25	Differential effects of G- and F-actin on the plasma membrane calcium pump activity. <i>Cell Biochemistry and Biophysics</i> , <b>2013</b> , 66, 187-98	3.2	17
24	Plasma membrane calcium ATPase activity is regulated by actin oligomers through direct interaction. <i>Journal of Biological Chemistry</i> , <b>2013</b> , 288, 23380-93	5.4	17
23	A new conformation in sarcoplasmic reticulum calcium pump and plasma membrane Ca <sup>2+</sup> pumps revealed by a photoactivatable phospholipidic probe. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 4823-8	5.4	17
22	Trypsin activation of the red cell Ca <sup>2+</sup> -pump ATPase is calcium-sensitive. <i>Cell Calcium</i> , <b>1982</b> , 3, 583-90	4	17
21	Stoichiometry of lipid-protein interaction assessed by hydrophobic photolabeling. <i>FEBS Letters</i> , <b>2006</b> , 580, 607-12	3.8	15
20	Calcium occlusion in plasma membrane Ca <sup>2+</sup> -ATPase. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 32018-25	5.4	10
19	Plasma membrane calcium pump (PMCA) differential exposure of hydrophobic domains after calmodulin and phosphatidic acid activation. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 18397-404	5.4	10
18	Correlation between Ca(2+)-ATPase activity of rat islet cells and insulin secretion. <i>Journal of Endocrinology</i> , <b>1992</b> , 134, 221-5	4.7	10
17	Changes in islet plasma membrane calcium-ATPase activity and isoform expression induced by insulin resistance. <i>Archives of Biochemistry and Biophysics</i> , <b>2009</b> , 490, 17-23	4.1	9

16	Regulation of the Plasma Membrane Calcium ATPases by the actin cytoskeleton. <i>Biochemical and Biophysical Research Communications</i> , <b>2018</b> , 506, 347-354	3-4	9
15	Conformational changes produced by ATP binding to the plasma membrane calcium pump. <i>Journal of Biological Chemistry</i> , <b>2013</b> , 288, 31030-41	5-4	7
14	Inhibitory effect of sulfonylureas on protein phosphatase activity in rat pancreatic islets. <i>Acta Diabetologica</i> , <b>1997</b> , 34, 6-9	3-9	7
13	Expression and cellular distribution pattern of plasma membrane calcium pump isoforms in rat pancreatic islets. <i>Journal of Membrane Biology</i> , <b>2002</b> , 185, 17-23	2-3	6
12	Quantitative analysis of membrane protein-amphiphile interactions using resonance energy transfer. <i>Analytical Biochemistry</i> , <b>2003</b> , 317, 171-9	3-1	6
11	Cortical cytoskeleton dynamics regulates plasma membrane calcium ATPase isoform-2 (PMCA2) activity. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>2017</b> , 1864, 1413-1424	4-9	5
10	Plasma membrane calcium pump activity in rat pancreatic islets: an accurate method to measure its calcium-dependent modulation. <i>Cell Biochemistry and Biophysics</i> , <b>2006</b> , 46, 193-200	3-2	5
9	Chemical modification reveals involvement of different sites for nucleotide analogues in the phosphatase activity of the red cell calcium pump. <i>Journal of Membrane Biology</i> , <b>1998</b> , 163, 217-24	2-3	4
8	Phospholipid distribution around the plasma membrane calcium pump: a hydrophobic photolabeling study. <i>Cell Biochemistry and Biophysics</i> , <b>2006</b> , 44, 431-7	3-2	4
7	Structural characterization of the glycation process of the plasma membrane calcium pump. <i>Annals of the New York Academy of Sciences</i> , <b>1997</b> , 834, 126-8	6-5	3
6	Synthesis and human leukocyte elastase inhibitory evaluation of phosphate triesters and acyl phosphates of penam sulfides and sulfones. <i>Bioorganic and Medicinal Chemistry</i> , <b>2001</b> , 9, 2113-7	3-4	2
5	Fura-2 transport in toad urinary bladder epithelium: effects of antidiuretic hormone, colchicine and osmotic gradients. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>1993</b> , 1151, 1-6	3-8	2
4	Effect of pH upon Ca(2+)-ATPase activity of rat pancreatic islets: its possible contribution to the inhibitory effect of different insulin secretagogues. <i>Archives of Physiology and Biochemistry</i> , <b>1995</b> , 103, 21-8	2-2	1
3	Fura-2 handling in a polarized epithelial barrier: the toad urinary bladder. <i>Life Sciences</i> , <b>1992</b> , 51, 545-51	6-8	1
2	Epigallocatechin 3-gallate inhibits the plasma membrane Ca-ATPase: effects on calcium homeostasis. <i>Heliyon</i> , <b>2021</b> , 7, e06337	3-6	1
1	Involvement of different sites for nucleotide analogs in the phosphatase activity of the red cell calcium pump. <i>Annals of the New York Academy of Sciences</i> , <b>1997</b> , 834, 459-61	6-5	