Celso Caruso-Neves

List of Publications by Year
in descending order

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107 papers	2,240 citations	172207 29 h-index	315357 38 g-index
108 all docs	108 docs citations	108 times ranked	2201 citing authors

#	Article	IF	Citations
1	Albumin Expands Albumin Reabsorption Capacity in Proximal Tubule Epithelial Cells through a Positive Feedback Loop between AKT and Megalin. International Journal of Molecular Sciences, 2022, 23, 848.	1.8	11
2	Ceramide-1-Phosphate as a Potential Regulator of the Second Sodium Pump from Kidney Proximal Tubules by Triggering Distinct Protein Kinase Pathways in a Hierarchic Way. Current Issues in Molecular Biology, 2022, 44, 998-1011.	1.0	0
3	The monoterpene 1,8-cineole prevents cerebral edema in a murine model of severe malaria. PLoS ONE, 2022, 17, e0268347.	1.1	1
4	SARS-CoV-2 spike protein inhibits megalin-mediated albumin endocytosis in proximal tubule epithelial cells. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2022, 1868, 166496.	1.8	4
5	Eugenol disrupts Plasmodium falciparum intracellular development during the erythrocytic cycle and protects against cerebral malaria. Biochimica Et Biophysica Acta - General Subjects, 2021, 1865, 129813.	1.1	10
6	AKT/PKBâ€Megalin Positive Feedback Loop Expands Albumin Endocytosis in Proximal Tubule Cells. FASEB Journal, 2021, 35, .	0.2	0
7	Mesenchymal Stromal Cells From Emphysematous Donors and Their Extracellular Vesicles Are Unable to Reverse Cardiorespiratory Dysfunction in Experimental Severe Emphysema. Frontiers in Cell and Developmental Biology, 2021, 9, 661385.	1.8	14
8	High Doses of Essential Oil of Croton Zehntneri Induces Renal Tubular Damage. Plants, 2021, 10, 1400.	1.6	1
9	Megalin-mediated albumin endocytosis in renal proximal tubules is involved in the antiproteinuric effect of angiotensin II type 1 receptor blocker in a subclinical acute kidney injury animal model. Biochimica Et Biophysica Acta - General Subjects, 2021, 1865, 129950.	1.1	9
10	Surface megalin expression is a target to the inhibitory effect of bradykinin on the renal albumin endocytosis. Peptides, 2021, 146, 170646.	1.2	5
11	ATRvD1 Attenuates Renal Tubulointerstitial Injury Induced by Albumin Overload in Sepsis-Surviving Mice. International Journal of Molecular Sciences, 2021, 22, 11634.	1.8	2
12	Niclosamide attenuates lung vascular remodeling in experimental pulmonary arterial hypertension. European Journal of Pharmacology, 2020, 887, 173438.	1.7	9
13	The reninâ€“angiotensinâ€“aldosterone system: Role in pathogenesis and potential therapeutic target in COVIDâ€19. Pharmacology Research and Perspectives, 2020, 8, e00623.	1.1	13
14	A high salt diet induces tubular damage associated with a pro-inflammatory and pro-fibrotic response in a hypertension-independent manner. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2020, 1866, 165907.	1.8	16
15	Role of the renin-angiotensin system in the development of severe COVID-19 in hypertensive patients. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2020, 319, L596-L602.	1.3	14
16	IL-4 Receptor Î± Chain Protects the Kidney Against Tubule-Interstitial Injury Induced by Albumin Overload. Frontiers in Physiology, 2020, 11, 172.	1.3	13
17	PKB is a central molecule in the modulation of Na+-ATPase activity by albumin in renal proximal tubule cells. Archives of Biochemistry and Biophysics, 2019, 674, 108115.	1.4	8
18	Lithium ameliorates tubule-interstitial injury through activation of the mTORC2/protein kinase B pathway. PLoS ONE, 2019, 14, e0215871.	1.1	13

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19	Kinins Released by Erythrocytic Stages of Plasmodium falciparum Enhance Adhesion of Infected Erythrocytes to Endothelial Cells and Increase Blood Brain Barrier Permeability via Activation of Bradykinin Receptors. Frontiers in Medicine, 2019, 6, 75.	1.2	17
20	The angiotensin II/AT1 receptor pathway mediates malaria-induced acute kidney injury. PLoS ONE, 2018, 13, e0203836.	1.1	8
21	O-GlcNAcylation reduces proximal tubule protein reabsorption and promotes proteinuria in spontaneously hypertensive rats. Journal of Biological Chemistry, 2018, 293, 12749-12758.	1.6	40
22	LPS Induces mTORC1 and mTORC2 Activation During Monocyte Adhesion. Frontiers in Molecular Biosciences, 2018, 5, 67.	1.6	22
23	High glucose reduces megalin-mediated albumin endocytosis in renal proximal tubule cells through protein kinase B O-GlcNAcylation. Journal of Biological Chemistry, 2018, 293, 11388-11400.	1.6	38
24	Targeting Angiotensin II Type-1 Receptor (AT1R) Inhibits the Harmful Phenotype of Plasmodium-Specific CD8+ T Cells during Blood-Stage Malaria. Frontiers in Cellular and Infection Microbiology, 2017, 7, 42.	1.8	14
25	Uroguanylin modulates (Na++ K+)ATPase in a proximal tubule cell line: Interactions among the cGMP/protein kinase G, cAMP/protein kinase A, and mTOR pathways. Biochimica Et Biophysica Acta - General Subjects, 2016, 1860, 1431-1438.	1.1	16
26	Interaction between bradykinin B2 and Ang-(1â€“7) Mas receptors regulates erythrocyte invasion by Plasmodium falciparum. Biochimica Et Biophysica Acta - General Subjects, 2016, 1860, 2438-2444.	1.1	15
27	Angiotensin II type-1 receptor (AT1R) regulates expansion, differentiation, and functional capacity of antigen-specific CD8+ T cells. Scientific Reports, 2016, 6, 35997.	1.6	23
28	Group V Secretory Phospholipase A2 Is Involved in Tubular Integrity and Sodium Handling in the Kidney. PLoS ONE, 2016, 11, e0147785.	1.1	9
29	Mesenchymal stromal cell therapy attenuated lung and kidney injury but not brain damage in experimental cerebral malaria. Stem Cell Research and Therapy, 2015, 6, 102.	2.4	22
30	Lipoxin A 4 attenuates endothelial dysfunction during experimental cerebral malaria. International Immunopharmacology, 2015, 24, 400-407.	1.7	24
31	Reninâ€“angiotensin system contributes to naive T-cell migration in vivo. Archives of Biochemistry and Biophysics, 2015, 573, 1-13.	1.4	8
32	New Concepts in Malaria Pathogenesis: The Role of the Renin-Angiotensin System. Frontiers in Cellular and Infection Microbiology, 2015, 5, 103.	1.8	18
33	Mice Rescued from Severe Malaria Are Protected against Renal Injury during a Second Kidney Insult. PLoS ONE, 2014, 9, e93634.	1.1	16
34	P2X7 Receptor Modulates Inflammatory and Functional Pulmonary Changes Induced by Silica. PLoS ONE, 2014, 9, e110185.	1.1	55
35	Mis-regulation of Mammalian Target of Rapamycin (mTOR) Complexes Induced by Albuminuria in Proximal Tubules. Journal of Biological Chemistry, 2014, 289, 16790-16801.	1.6	38
36	IL-4: an important cytokine in determining the fate of T cells. Biophysical Reviews, 2014, 6, 111-118.	1.5	73

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37	N-acylhydrazone derivative ameliorates monocrotaline-induced pulmonary hypertension through the modulation of adenosine AA2R activity. International Journal of Cardiology, 2014, 173, 154-162.	0.8	36
38	N-acylhydrazone improves exercise intolerance in rats submitted to myocardial infarction by the recovery of calcium homeostasis in skeletal muscle. Life Sciences, 2014, 94, 30-36.	2.0	10
39	5-Lypoxygenase Products Are Involved in Renal Tubulointerstitial Injury Induced by Albumin Overload in Proximal Tubules in Mice. PLoS ONE, 2014, 9, e107549.	1.1	29
40	Protein kinase C-mediated ATP stimulation of Na+-ATPase activity in LLC-PK1 cells involves a P2Y2 and/or P2Y4 receptor. Archives of Biochemistry and Biophysics, 2013, 535, 136-142.	1.4	5
41	Trans-sialidase from Trypanosoma cruzi enhances the adhesion properties and fibronectin-driven migration of thymocytes. Microbes and Infection, 2013, 15, 365-374.	1.0	18
42	Beneficial effects of a novel agonist of the adenosine <scp>A_{2A}</scp> receptor on monocrotalineâ€induced pulmonary hypertension in rats. British Journal of Pharmacology, 2013, 169, 953-962.	2.7	37
43	Sepsis-Surviving Mice Are More Susceptible to a Secondary Kidney Insult*. Critical Care Medicine, 2013, 41, 1056-1068.	0.4	23
44	Angiotensin II Is a New Component Involved in Splenic T Lymphocyte Responses during Plasmodium berghei ANKA Infection. PLoS ONE, 2013, 8, e62999.	1.1	33
45	Role of Estrogen and Progesterone in the Modulation of CNG-A1 and Na⁺/K⁺-ATPase Expression in the Renal Cortex. Cellular Physiology and Biochemistry, 2012, 30, 160-172.	1.1	17
46	Na+-dependent and Na+-independent mechanisms for inorganic phosphate uptake in Trypanosoma rangeli. Biochimica Et Biophysica Acta - General Subjects, 2012, 1820, 1001-1008.	1.1	22
47	The effect of saponins from Ampelozizyphus amazonicus Ducke on the renal Na+ pumpsâ€™ activities and urinary excretion of natriuretic peptides. BMC Complementary and Alternative Medicine, 2012, 12, 40.	3.7	6
48	Characterization of ecto-ATPase activity in the surface of LLC-PK1 cells and its modulation by ischemic conditions. Biochimica Et Biophysica Acta - General Subjects, 2012, 1820, 2030-2036.	1.1	5
49	Prostaglandin E2 modulates proximal tubule Na+-ATPase activity: Cooperative effect between protein kinase A and protein kinase C. Archives of Biochemistry and Biophysics, 2011, 507, 281-286.	1.4	5
50	Guanine-induced inhibition of renal Na+-ATPase activity: Evidence for the involvement of the Gi protein-coupled receptor. Archives of Biochemistry and Biophysics, 2011, 513, 126-130.	1.4	4
51	Impairment of the Plasmodium falciparum Erythrocytic Cycle Induced by Angiotensin Peptides. PLoS ONE, 2011, 6, e17174.	1.1	51
52	AT1 receptor-mediated angiotensin II activation and chemotaxis of T lymphocytes. Molecular Immunology, 2011, 48, 1835-1843.	1.0	39
53	Paracrine Interaction between Bone Marrow-derived Stem Cells and Renal Epithelial Cells. Cellular Physiology and Biochemistry, 2011, 28, 267-278.	1.1	30
54	(Na+ + K+)-ATPase Is a Target for Phosphoinositide 3-Kinase/Protein Kinase B and Protein Kinase C Pathways Triggered by Albumin. Journal of Biological Chemistry, 2011, 286, 45041-45047.	1.6	27

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55	Changes in angiotensin receptors expression play a pivotal role in the renal damage observed in spontaneously hypertensive rats. American Journal of Physiology - Renal Physiology, 2011, 300, F499-F510.	1.3	36
56	LASSBio-294, A Compound With Inotropic and Lusitropic Activity, Decreases Cardiac Remodeling and Improves Ca2+ Influx Into Sarcoplasmic Reticulum After Myocardial Infarction. American Journal of Hypertension, 2010, 23, 1220-1227.	1.0	23
57	Na+-ATPase in spontaneous hypertensive rats: Possible AT1 receptor target in the development of hypertension. Biochimica Et Biophysica Acta - Biomembranes, 2010, 1798, 360-366.	1.4	31
58	The stimulatory effect of angiotensin II on Na+-ATPase activity involves sequential activation of phospholipases and sustained PKC activity. Biochimica Et Biophysica Acta - Biomembranes, 2010, 1798, 354-359.	1.4	6
59	Atrial natriuretic peptides and urodilatin modulate proximal tubule Na+-ATPase activity through activation of the NPR-A/cGMP/PKG pathway. Peptides, 2010, 31, 903-908.	1.2	15
60	PKA-mediated effect of MAS receptor in counteracting angiotensin II-stimulated renal Na+-ATPase. Archives of Biochemistry and Biophysics, 2010, 496, 117-122.	1.4	32
61	Ceramide-activated protein kinases A and C zeta inhibit kidney proximal tubule cell Na+-ATPase. Archives of Biochemistry and Biophysics, 2010, 498, 57-61.	1.4	16
62	Na+-ATPase and protein kinase C are targets to 1-O-hexadecylphosphocoline (miltefosine) in Trypanosoma cruzi. Archives of Biochemistry and Biophysics, 2009, 481, 65-71.	1.4	16
63	Adenosine deamination to inosine in isolated basolateral membrane from kidney proximal tubule: Implications for modulation of the membrane-associated protein kinase A. Archives of Biochemistry and Biophysics, 2009, 486, 44-50.	1.4	4
64	Inhibition of renal Na+-ATPase activity by inosine is mediated by A1 receptor-induced inhibition of the cAMP signaling pathway. Archives of Biochemistry and Biophysics, 2009, 489, 76-81.	1.4	7
65	The angiotensin receptor type 1â€“G_q proteinâ€“phosphatidyl inositol phospholipase Cî²â€“protein kinase C pathway is involved in activation of proximal tubule Na⁺â€ATPase activity by angiotensin(1â€“7) in pig kidneys. Experimental Physiology, 2008, 93, 639-647.	0.9	30
66	Leishmania amazonensis: Characterization of an ouabain-insensitive Na+-ATPase activity. Experimental Parasitology, 2008, 118, 165-171.	0.5	24
67	Crosstalk between the signaling pathways triggered by angiotensin II and adenosine in the renal proximal tubules: Implications for modulation of Na+-ATPase activity. Peptides, 2008, 29, 2033-2038.	1.2	8
68	B2 receptor-mediated dual effect of bradykinin on proximal tubule Na+-ATPase: Sequential activation of the phosphoinositide-specific phospholipase Cî²/protein kinase C and Ca2+-independent phospholipase A2 pathways. Biochimica Et Biophysica Acta - Biomembranes, 2008, 1778, 1316-1323.	1.4	5
69	Ceramide Is a Potent Activator of Plasma Membrane Ca2+-ATPase from Kidney Proximal Tubule Cells with Protein Kinase A as an Intermediate. Journal of Biological Chemistry, 2007, 282, 24599-24606.	1.6	24
70	Adenine-induced inhibition of Na+-ATPase activity: Evidence for involvement of the Gi protein-coupled receptor in the cAMP signaling pathway. Archives of Biochemistry and Biophysics, 2007, 467, 261-267.	1.4	18
71	Characterization and partial isolation of ouabain-insensitive Na+-ATPase in MDCK I cells. Biochimie, 2007, 89, 1425-1432.	1.3	20
72	Leishmania amazonensis: PKC-like protein kinase modulates the (Na++K+)ATPase activity. Experimental Parasitology, 2007, 116, 419-426.	0.5	14

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73	Entamoeba histolytica: Ouabain-insensitive Na+-ATPase activity. Experimental Parasitology, 2007, 117, 195-200.	0.5	7
74	Trypanosoma cruzi epimastigotes: Regulation of myo-inositol transport by effectors of protein kinases A and C. Experimental Parasitology, 2007, 117, 171-177.	0.5	17
75	Involvement of the Gi/o/cGMP/PKG pathway in the AT2-mediated inhibition of outer cortex proximal tubule Na+-ATPase by Ang-(1â€“7). Biochemical Journal, 2006, 395, 183-190.	1.7	65
76	PKB and megalin determine the survival or death of renal proximal tubule cells. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 18810-18815.	3.3	109
77	A New Steroidal Saponin from Agave brittoniana and Its Biphasic Effect on the Na+-ATPase Activity. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2005, 60, 121-127.	0.6	7
78	Albumin endocytosis in proximal tubule cells is modulated by angiotensin II through an AT2 receptor-mediated protein kinase B activation. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 17513-17518.	3.3	51
79	Stimulation of the proximal tubule Na+-ATPase activity by adenosine A2A receptor. International Journal of Biochemistry and Cell Biology, 2005, 37, 155-165.	1.2	25
80	PI-PLCÎ² is involved in the modulation of the proximal tubule Na+-ATPase by angiotensin II. Regulatory Peptides, 2005, 127, 177-182.	1.9	36
81	Adenosine reverses the stimulatory effect of angiotensin II on the renal Na+-ATPase activity through the A2 receptor. Regulatory Peptides, 2005, 129, 9-15.	1.9	9
82	Modulation of the (Na++K+)ATPase activity by Angiotensin-(1â€“7) in MDCK cells. Regulatory Peptides, 2005, 129, 221-226.	1.9	24
83	Modulation of Sodium Pumps by Steroidal Saponins. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2004, 59, 432-436.	0.6	10
84	A blood plasma inhibitor is responsible for circadian changes in rat renal Na,K-ATPase activity. International Journal of Biochemistry and Cell Biology, 2004, 36, 2054-2065.	1.2	7
85	Ouabain-insensitive Na+-ATPase of proximal tubules is an effector for urodilatin and atrial natriuretic peptide. Biochimica Et Biophysica Acta - Biomembranes, 2004, 1660, 93-98.	1.4	26
86	Angiotensin II and angiotensin-(1â€“7) inhibit the inner cortex Na+-ATPase activity through AT2 receptor. Regulatory Peptides, 2004, 120, 167-175.	1.9	65
87	PLA2/PGE2 are involved in the inhibitory effect of bradykinin on the angiotensin-(1â€“7)-stimulated Na+-ATPase activity of the proximal tubule. Regulatory Peptides, 2004, 117, 37-41.	1.9	13
88	Bradykinin counteracts the stimulatory effect of angiotensin-(1â€“7) on the proximal tubule Na+-ATPase activity through B2 receptor. Regulatory Peptides, 2003, 110, 207-212.	1.9	5
89	Bradykinin B1 receptor stimulates the proximal tubule Na+-ATPase activity through protein kinase C pathway. Regulatory Peptides, 2003, 115, 195-201.	1.9	10
90	Urea inhibition of renal (NA++K+)ATPase activity is reversed by cAMP. Archives of Biochemistry and Biophysics, 2002, 406, 183-189.	1.4	6

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91	Angiotensin II stimulates renal proximal tubule Na+-ATPase activity through the activation of protein kinase C. Biochimica Et Biophysica Acta - Biomembranes, 2002, 1564, 310-316.	1.4	35
92	Modulation of ouabain-insensitive Na+-ATPase activity in the renal proximal tubule by Mg2+, MgATP and furosemide. International Journal of Biochemistry and Cell Biology, 2002, 34, 1586-1593.	1.2	28
93	Angiotensin-(1â€“7) reverts the stimulatory effect of angiotensin II on the proximal tubule Na+-ATPase activity via a A779-sensitve receptor. Regulatory Peptides, 2002, 103, 17-22.	1.9	43
94	Protein kinase C-induced phosphorylation modulates the Na+-ATPase activity from proximal tubules. Biochimica Et Biophysica Acta - Biomembranes, 2001, 1512, 90-97.	1.4	20
95	Cytoskeleton elements mediate the inhibition of the (Na++K+)atpase activity by PKC inRhodnius prolixus malpighian tubules during hyperosmotic shock. Archives of Insect Biochemistry and Physiology, 2001, 48, 81-88.	0.6	7
96	Adenosine modulates the (Na++K+)ATPase activity in Malpighian tubules isolated fromRhodnius prolixus. , 2000, 43, 72-77.		6
97	Characterization of the myo-inositol transport system in Trypanosomaâ€ƒcruzi. FEBS Journal, 2000, 267, 2533-2537.	0.2	17
98	Sodium pumps in the Malpighian tubule of Rhodnius sp.. Anais Da Academia Brasileira De Ciencias, 2000, 72, 407-412.	0.3	12
99	Angiotensin-(1â€“7) modulates the ouabain-insensitive Na+-ATPase activity from basolateral membrane of the proximal tubule. Biochimica Et Biophysica Acta - Biomembranes, 2000, 1467, 189-197.	1.4	38
100	Ouabain-insensitive Na+-ATPase activity is an effector protein for cAMP regulation in basolateral membranes of the proximal tubule. Biochimica Et Biophysica Acta - Biomembranes, 2000, 1468, 107-114.	1.4	30
101	Ouabain-Insensitive Na+-ATPase Activity in Trypanosoma cruzi Epimastigotes. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 1999, 54, 100-104.	0.6	20
102	Bradykinin modulates the ouabain-insensitive Na+-ATPase activity from basolateral membrane of the proximal tubule. BBA - Proteins and Proteomics, 1999, 1431, 483-491.	2.1	31
103	Adenosine inhibits the renal plasma-membrane (Ca2+ + Mg2+)-ATPase through a pathway sensitive to cholera toxin and sphingosine. FEBS Journal, 1999, 263, 71-78.	0.2	29
104	Angiotensin II activates the ouabain-insensitive Na+-ATPase from renal proximal tubules through a G-protein. Biochimica Et Biophysica Acta - Biomembranes, 1999, 1416, 309-319.	1.4	29
105	Ouabain-insensitive Na+-ATPase activity of Malpighian tubules from Rhodnius prolixus. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 1998, 119, 807-811.	0.7	28
106	Trypanosoma cruzi Epimastigotes Express the Ouabain-and Vanadate-Sensitive (Na++K+)ATPase Activity. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 1998, 53, 1049-1054.	0.6	15
107	Effect of adenosine on the ouabain-insensitive Na+-ATPase activity from basolateral membrane of the proximal tubule. Biochimica Et Biophysica Acta - Biomembranes, 1997, 1329, 336-344.	1.4	35