

Celso Caruso-Neves

List of Publications by Year in descending order

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107
papers

2,240
citations

172207

29
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38
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108
all docs

108
docs citations

108
times ranked

2201
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	IL-4: an important cytokine in determining the fate of T cells. Biophysical Reviews, 2014, 6, 111-118.	1.5	73
3	Angiotensin II and angiotensin-(1 ^{â€“7}) inhibit the inner cortex Na ⁺ -ATPase activity through AT2 receptor. Regulatory Peptides, 2004, 120, 167-175.	1.9	65
4	Involvement of the Gi/o/cGMP/PKG pathway in the AT2-mediated inhibition of outer cortex proximal tubule Na ⁺ -ATPase by Ang-(1 ^{â€“7}). Biochemical Journal, 2006, 395, 183-190.	1.7	65
5	P2X7 Receptor Modulates Inflammatory and Functional Pulmonary Changes Induced by Silica. PLoS ONE, 2014, 9, e110185.	1.1	55
6	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
7	Impairment of the Plasmodium falciparum Erythrocytic Cycle Induced by Angiotensin Peptides. PLoS ONE, 2011, 6, e17174.	1.1	51
8	Angiotensin-(1 ^{â€“7}) reverts the stimulatory effect of angiotensin II on the proximal tubule Na ⁺ -ATPase activity via a A779-sensitive receptor. Regulatory Peptides, 2002, 103, 17-22.	1.9	43
9	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
10	AT1 receptor-mediated angiotensin II activation and chemotaxis of T lymphocytes. Molecular Immunology, 2011, 48, 1835-1843.	1.0	39
11	Angiotensin-(1 ^{â€“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
12	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
13	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
14	Beneficial effects of a novel agonist of the adenosine A_{2A} receptor on monocrotaline-induced pulmonary hypertension in rats. British Journal of Pharmacology, 2013, 169, 953-962.	2.7	37
15	PI-PLC β^2 is involved in the modulation of the proximal tubule Na ⁺ -ATPase by angiotensin II. Regulatory Peptides, 2005, 127, 177-182.	1.9	36
16	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
17	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
18	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

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19	Angiotensin II stimulates renal proximal tubule Na ⁺ -ATPase activity through the activation of protein kinase C. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2002, 1564, 310-316.	1.4	35
20	Angiotensin II Is a New Component Involved in Splenic T Lymphocyte Responses during Plasmodium berghei ANKA Infection. <i>PLoS ONE</i> , 2013, 8, e62999.	1.1	33
21	PKA-mediated effect of MAS receptor in counteracting angiotensin II-stimulated renal Na ⁺ -ATPase. <i>Archives of Biochemistry and Biophysics</i> , 2010, 496, 117-122.	1.4	32
22	Bradykinin modulates the ouabain-insensitive Na ⁺ -ATPase activity from basolateral membrane of the proximal tubule. <i>BBA - Proteins and Proteomics</i> , 1999, 1431, 483-491.	2.1	31
23	Na ⁺ -ATPase in spontaneous hypertensive rats: Possible AT1 receptor target in the development of hypertension. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2010, 1798, 360-366.	1.4	31
24	Ouabain-insensitive Na ⁺ -ATPase activity is an effector protein for cAMP regulation in basolateral membranes of the proximal tubule. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2000, 1468, 107-114.	1.4	30
25	The angiotensin receptor type 1 G _q protein phosphatidylinositol phospholipase C β protein kinase C pathway is involved in activation of proximal tubule Na ⁺ -ATPase activity by angiotensin(1-7) in pig kidneys. <i>Experimental Physiology</i> , 2008, 93, 639-647.	0.9	30
26	Paracrine Interaction between Bone Marrow-derived Stem Cells and Renal Epithelial Cells. <i>Cellular Physiology and Biochemistry</i> , 2011, 28, 267-278.	1.1	30
27	Adenosine inhibits the renal plasma-membrane (Ca ²⁺ + Mg ²⁺)-ATPase through a pathway sensitive to cholera toxin and sphingosine. <i>FEBS Journal</i> , 1999, 263, 71-78.	0.2	29
28	Angiotensin II activates the ouabain-insensitive Na ⁺ -ATPase from renal proximal tubules through a G-protein. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1999, 1416, 309-319.	1.4	29
29	5-Lipoxygenase Products Are Involved in Renal Tubulointerstitial Injury Induced by Albumin Overload in Proximal Tubules in Mice. <i>PLoS ONE</i> , 2014, 9, e107549.	1.1	29
30	Ouabain-insensitive Na ⁺ -ATPase activity of Malpighian tubules from <i>Rhodnius prolixus</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 1998, 119, 807-811.	0.7	28
31	Modulation of ouabain-insensitive Na ⁺ -ATPase activity in the renal proximal tubule by Mg ²⁺ , MgATP and furosemide. <i>International Journal of Biochemistry and Cell Biology</i> , 2002, 34, 1586-1593.	1.2	28
32	(Na ⁺ + K ⁺)-ATPase Is a Target for Phosphoinositide 3-Kinase/Protein Kinase B and Protein Kinase C Pathways Triggered by Albumin. <i>Journal of Biological Chemistry</i> , 2011, 286, 45041-45047.	1.6	27
33	Ouabain-insensitive Na ⁺ -ATPase of proximal tubules is an effector for urodilatin and atrial natriuretic peptide. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2004, 1660, 93-98.	1.4	26
34	Stimulation of the proximal tubule Na ⁺ -ATPase activity by adenosine A2A receptor. <i>International Journal of Biochemistry and Cell Biology</i> , 2005, 37, 155-165.	1.2	25
35	Modulation of the (Na ⁺ +K ⁺)ATPase activity by Angiotensin-(1-7) in MDCK cells. <i>Regulatory Peptides</i> , 2005, 129, 221-226.	1.9	24
36	Ceramide Is a Potent Activator of Plasma Membrane Ca ²⁺ -ATPase from Kidney Proximal Tubule Cells with Protein Kinase A as an Intermediate. <i>Journal of Biological Chemistry</i> , 2007, 282, 24599-24606.	1.6	24

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37	Leishmania amazonensis: Characterization of an ouabain-insensitive Na ⁺ -ATPase activity. <i>Experimental Parasitology</i> , 2008, 118, 165-171.	0.5	24
38	Lipoxin A 4 attenuates endothelial dysfunction during experimental cerebral malaria. <i>International Immunopharmacology</i> , 2015, 24, 400-407.	1.7	24
39	LASSBio-294, A Compound With Inotropic and Lusitropic Activity, Decreases Cardiac Remodeling and Improves Ca ²⁺ Influx Into Sarcoplasmic Reticulum After Myocardial Infarction. <i>American Journal of Hypertension</i> , 2010, 23, 1220-1227.	1.0	23
40	Sepsis-Surviving Mice Are More Susceptible to a Secondary Kidney Insult*. <i>Critical Care Medicine</i> , 2013, 41, 1056-1068.	0.4	23
41	Angiotensin II type-1 receptor (AT1R) regulates expansion, differentiation, and functional capacity of antigen-specific CD8 ⁺ T cells. <i>Scientific Reports</i> , 2016, 6, 35997.	1.6	23
42	Na ⁺ -dependent and Na ⁺ -independent mechanisms for inorganic phosphate uptake in <i>Trypanosoma rangeli</i> . <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2012, 1820, 1001-1008.	1.1	22
43	Mesenchymal stromal cell therapy attenuated lung and kidney injury but not brain damage in experimental cerebral malaria. <i>Stem Cell Research and Therapy</i> , 2015, 6, 102.	2.4	22
44	LPS Induces mTORC1 and mTORC2 Activation During Monocyte Adhesion. <i>Frontiers in Molecular Biosciences</i> , 2018, 5, 67.	1.6	22
45	Ouabain-Insensitive Na ⁺ -ATPase Activity in <i>Trypanosoma cruzi</i> Epimastigotes. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 1999, 54, 100-104.	0.6	20
46	Protein kinase C-induced phosphorylation modulates the Na ⁺ -ATPase activity from proximal tubules. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2001, 1512, 90-97.	1.4	20
47	Characterization and partial isolation of ouabain-insensitive Na ⁺ -ATPase in MDCK I cells. <i>Biochimie</i> , 2007, 89, 1425-1432.	1.3	20
48	Adenine-induced inhibition of Na ⁺ -ATPase activity: Evidence for involvement of the Gi protein-coupled receptor in the cAMP signaling pathway. <i>Archives of Biochemistry and Biophysics</i> , 2007, 467, 261-267.	1.4	18
49	Trans-sialidase from <i>Trypanosoma cruzi</i> enhances the adhesion properties and fibronectin-driven migration of thymocytes. <i>Microbes and Infection</i> , 2013, 15, 365-374.	1.0	18
50	New Concepts in Malaria Pathogenesis: The Role of the Renin-Angiotensin System. <i>Frontiers in Cellular and Infection Microbiology</i> , 2015, 5, 103.	1.8	18
51	Characterization of the myo-inositol transport system in <i>Trypanosoma cruzi</i> . <i>FEBS Journal</i> , 2000, 267, 2533-2537.	0.2	17
52	<i>Trypanosoma cruzi</i> epimastigotes: Regulation of myo-inositol transport by effectors of protein kinases A and C. <i>Experimental Parasitology</i> , 2007, 117, 171-177.	0.5	17
53	Role of Estrogen and Progesterone in the Modulation of CNG-A1 and Na ⁺ /K ⁺ -ATPase Expression in the Renal Cortex. <i>Cellular Physiology and Biochemistry</i> , 2012, 30, 160-172.	1.1	17
54	Kinins Released by Erythrocytic Stages of <i>Plasmodium falciparum</i> Enhance Adhesion of Infected Erythrocytes to Endothelial Cells and Increase Blood Brain Barrier Permeability via Activation of Bradykinin Receptors. <i>Frontiers in Medicine</i> , 2019, 6, 75.	1.2	17

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55	Na ⁺ -ATPase and protein kinase C are targets to 1-O-hexadecylphosphocoline (miltefosine) in <i>Trypanosoma cruzi</i> . <i>Archives of Biochemistry and Biophysics</i> , 2009, 481, 65-71.	1.4	16
56	Ceramide-activated protein kinases A and C zeta inhibit kidney proximal tubule cell Na ⁺ -ATPase. <i>Archives of Biochemistry and Biophysics</i> , 2010, 498, 57-61.	1.4	16
57	Mice Rescued from Severe Malaria Are Protected against Renal Injury during a Second Kidney Insult. <i>PLoS ONE</i> , 2014, 9, e93634.	1.1	16
58	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. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2016, 1860, 1431-1438.	1.1	16
59	A high salt diet induces tubular damage associated with a pro-inflammatory and pro-fibrotic response in a hypertension-independent manner. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020, 1866, 165907.	1.8	16
60	<i>Trypanosoma cruzi</i> Epimastigotes Express the Ouabain-and Vanadate-Sensitive (Na ⁺ +K ⁺)ATPase Activity. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 1998, 53, 1049-1054.	0.6	15
61	Atrial natriuretic peptides and urodilatin modulate proximal tubule Na ⁺ -ATPase activity through activation of the NPR-A/cGMP/PKG pathway. <i>Peptides</i> , 2010, 31, 903-908.	1.2	15
62	Interaction between bradykinin B2 and Ang-(1-7) Mas receptors regulates erythrocyte invasion by <i>Plasmodium falciparum</i> . <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2016, 1860, 2438-2444.	1.1	15
63	<i>Leishmania amazonensis</i> : PKC-like protein kinase modulates the (Na ⁺ +K ⁺)ATPase activity. <i>Experimental Parasitology</i> , 2007, 116, 419-426.	0.5	14
64	Targeting Angiotensin II Type-1 Receptor (AT1R) Inhibits the Harmful Phenotype of Plasmodium-Specific CD8 ⁺ T Cells during Blood-Stage Malaria. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017, 7, 42.	1.8	14
65	Role of the renin-angiotensin system in the development of severe COVID-19 in hypertensive patients. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2020, 319, L596-L602.	1.3	14
66	Mesenchymal Stromal Cells From Emphysematous Donors and Their Extracellular Vesicles Are Unable to Reverse Cardiorespiratory Dysfunction in Experimental Severe Emphysema. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 661385.	1.8	14
67	PLA2/PGE2 are involved in the inhibitory effect of bradykinin on the angiotensin-(1-7)-stimulated Na ⁺ -ATPase activity of the proximal tubule. <i>Regulatory Peptides</i> , 2004, 117, 37-41.	1.9	13
68	Lithium ameliorates tubule-interstitial injury through activation of the mTORC2/protein kinase B pathway. <i>PLoS ONE</i> , 2019, 14, e0215871.	1.1	13
69	The renin-angiotensin-aldosterone system: Role in pathogenesis and potential therapeutic target in COVID-19. <i>Pharmacology Research and Perspectives</i> , 2020, 8, e00623.	1.1	13
70	IL-4 Receptor β Chain Protects the Kidney Against Tubule-Interstitial Injury Induced by Albumin Overload. <i>Frontiers in Physiology</i> , 2020, 11, 172.	1.3	13
71	Sodium pumps in the Malpighian tubule of <i>Rhodnius</i> sp.. <i>Anais Da Academia Brasileira De Ciencias</i> , 2000, 72, 407-412.	0.3	12
72	Albumin Expands Albumin Reabsorption Capacity in Proximal Tubule Epithelial Cells through a Positive Feedback Loop between AKT and Megalin. <i>International Journal of Molecular Sciences</i> , 2022, 23, 848.	1.8	11

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73	Bradykinin B1 receptor stimulates the proximal tubule Na ⁺ -ATPase activity through protein kinase C pathway. <i>Regulatory Peptides</i> , 2003, 115, 195-201.	1.9	10
74	Modulation of Sodium Pumps by Steroidal Saponins. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2004, 59, 432-436.	0.6	10
75	N-acylhydrazone improves exercise intolerance in rats submitted to myocardial infarction by the recovery of calcium homeostasis in skeletal muscle. <i>Life Sciences</i> , 2014, 94, 30-36.	2.0	10
76	Eugenol disrupts Plasmodium falciparum intracellular development during the erythrocytic cycle and protects against cerebral malaria. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2021, 1865, 129813.	1.1	10
77	Adenosine reverses the stimulatory effect of angiotensin II on the renal Na ⁺ -ATPase activity through the A2 receptor. <i>Regulatory Peptides</i> , 2005, 129, 9-15.	1.9	9
78	Niclosamide attenuates lung vascular remodeling in experimental pulmonary arterial hypertension. <i>European Journal of Pharmacology</i> , 2020, 887, 173438.	1.7	9
79	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. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2021, 1865, 129950.	1.1	9
80	Group V Secretory Phospholipase A2 Is Involved in Tubular Integrity and Sodium Handling in the Kidney. <i>PLoS ONE</i> , 2016, 11, e0147785.	1.1	9
81	Crosstalk between the signaling pathways triggered by angiotensin II and adenosine in the renal proximal tubules: Implications for modulation of Na ⁺ -ATPase activity. <i>Peptides</i> , 2008, 29, 2033-2038.	1.2	8
82	Renin-angiotensin system contributes to naive T-cell migration in vivo. <i>Archives of Biochemistry and Biophysics</i> , 2015, 573, 1-13.	1.4	8
83	The angiotensin II/AT1 receptor pathway mediates malaria-induced acute kidney injury. <i>PLoS ONE</i> , 2018, 13, e0203836.	1.1	8
84	PKB is a central molecule in the modulation of Na ⁺ -ATPase activity by albumin in renal proximal tubule cells. <i>Archives of Biochemistry and Biophysics</i> , 2019, 674, 108115.	1.4	8
85	Cytoskeleton elements mediate the inhibition of the (Na ⁺ +K ⁺)atpase activity by PKC in <i>Rhodnius prolixus</i> malpighian tubules during hyperosmotic shock. <i>Archives of Insect Biochemistry and Physiology</i> , 2001, 48, 81-88.	0.6	7
86	A blood plasma inhibitor is responsible for circadian changes in rat renal Na,K-ATPase activity. <i>International Journal of Biochemistry and Cell Biology</i> , 2004, 36, 2054-2065.	1.2	7
87	A New Steroidal Saponin from <i>Agave brittoniana</i> and Its Biphasic Effect on the Na ⁺ -ATPase Activity. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2005, 60, 121-127.	0.6	7
88	<i>Entamoeba histolytica</i> : Ouabain-insensitive Na ⁺ -ATPase activity. <i>Experimental Parasitology</i> , 2007, 117, 195-200.	0.5	7
89	Inhibition of renal Na ⁺ -ATPase activity by inosine is mediated by A1 receptor-induced inhibition of the cAMP signaling pathway. <i>Archives of Biochemistry and Biophysics</i> , 2009, 489, 76-81.	1.4	7
90	Adenosine modulates the (Na ⁺ +K ⁺)ATPase activity in Malpighian tubules isolated from <i>Rhodnius prolixus</i> . , 2000, 43, 72-77.		6

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91	Urea inhibition of renal (Na ⁺ +K ⁺)ATPase activity is reversed by cAMP. Archives of Biochemistry and Biophysics, 2002, 406, 183-189.	1.4	6
92	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
93	The effect of saponins from Ampelozizyphus amazonicus Ducke on the renal Na ⁺ pumps [™] activities and urinary excretion of natriuretic peptides. BMC Complementary and Alternative Medicine, 2012, 12, 40.	3.7	6
94	Bradykinin counteracts the stimulatory effect of angiotensin-(1 st) on the proximal tubule Na ⁺ -ATPase activity through B2 receptor. Regulatory Peptides, 2003, 110, 207-212.	1.9	5
95	B2 receptor-mediated dual effect of bradykinin on proximal tubule Na ⁺ -ATPase: Sequential activation of the phosphoinositide-specific phospholipase C β /protein kinase C and Ca ²⁺ -independent phospholipase A2 pathways. Biochimica Et Biophysica Acta - Biomembranes, 2008, 1778, 1316-1323.	1.4	5
96	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
97	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
98	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
99	Surface megalin expression is a target to the inhibitory effect of bradykinin on the renal albumin endocytosis. Peptides, 2021, 146, 170646.	1.2	5
100	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
101	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
102	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
103	ATRVd1 Attenuates Renal Tubulointerstitial Injury Induced by Albumin Overload in Sepsis-Surviving Mice. International Journal of Molecular Sciences, 2021, 22, 11634.	1.8	2
104	High Doses of Essential Oil of Croton Zehntneri Induces Renal Tubular Damage. Plants, 2021, 10, 1400.	1.6	1
105	The monoterpene 1,8-cineole prevents cerebral edema in a murine model of severe malaria. PLoS ONE, 2022, 17, e0268347.	1.1	1
106	AKT/PKB ⁺ Megalín Positive Feedback Loop Expands Albumin Endocytosis in Proximal Tubule Cells. FASEB Journal, 2021, 35, .	0.2	0
107	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