Pablo A Ortiz

List of Publications by Year
in descending order

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76 papers	2,526 citations	172457 29 h-index	214800 47 g-index
82 all docs	82 docs citations	82 times ranked	1861 citing authors

#	Article	IF	Citations
1	Role of nitric oxide in the regulation of nephron transport. American Journal of Physiology - Renal Physiology, 2002, 282, F777-F784.	2.7	227
2	Molecular regulation of NKCC2 in the thick ascending limb. American Journal of Physiology - Renal Physiology, 2011, 301, F1143-F1159.	2.7	147
3	Cardiovascular and renal control in NOS-deficient mouse models. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2003, 284, R628-R638.	1.8	126
4	Superoxide stimulates NaCl absorption by the thick ascending limb. American Journal of Physiology - Renal Physiology, 2002, 283, F957-F962.	2.7	125
5	NO decreases thick ascending limb chloride absorption by reducing Na+-K+-2Clâ^' cotransporter activity. American Journal of Physiology - Renal Physiology, 2001, 281, F819-F825.	2.7	114
6	NO decreases thick ascending limb chloride absorption by reducing Na⁺-K⁺-2Cl^{â^'}cotransporter activity. American Journal of Physiology - Renal Physiology, 2001, 281, F819-F825.	2.7	99
7	cAMP increases surface expression of NKCC2 in rat thick ascending limbs: role of VAMP. American Journal of Physiology - Renal Physiology, 2006, 290, F608-F616.	2.7	96
8	NO Inhibits NaCl Absorption by Rat Thick Ascending Limb Through Activation of cGMP-Stimulated Phosphodiesterase. Hypertension, 2001, 37, 467-471.	2.7	88
9	Interaction of O2â^'and NO in the Thick Ascending Limb. Hypertension, 2002, 39, 591-596.	2.7	86
10	Regulation of Renal NaCl Transport by Nitric Oxide, Endothelin, and ATP: Clinical Implications. Annual Review of Physiology, 2011, 73, 359-376.	13.1	86
11	Intrarenal Transport and Vasoactive Substances in Hypertension. Hypertension, 2001, 38, 621-624.	2.7	83
12	Superoxide Stimulates NaCl Absorption in the Thick Ascending Limb Via Activation of Protein Kinase C. Hypertension, 2006, 48, 467-472.	2.7	76
13	cAMP Stimulates Apical Exocytosis of the Renal Na+-K+-2Clâ^' Cotransporter NKCC2 in the Thick Ascending Limb. Journal of Biological Chemistry, 2009, 284, 24965-24971.	3.4	73
14	Decreased Intracellular Calcium Stimulates Renin Release via Calcium-Inhibitable Adenylyl Cyclase. Hypertension, 2007, 49, 162-169.	2.7	69
15	Fructose Stimulates Na/H Exchange Activity and Sensitizes the Proximal Tubule to Angiotensin II. Hypertension, 2014, 63, e68-73.	2.7	68
16	Gene Transfer of eNOS to the Thick Ascending Limb of eNOS-KO Mice Restores the Effects of l -Arginine on NaCl Absorption. Hypertension, 2003, 42, 674-679.	2.7	66
17	Luminal flow induces eNOS activation and translocation in the rat thick ascending limb. American Journal of Physiology - Renal Physiology, 2004, 287, F274-F280.	2.7	66
18	Regulation of thick ascending limb transport: role of nitric oxide. American Journal of Physiology - Renal Physiology, 2006, 290, F1279-F1284.	2.7	63

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19	Endothelin-1 Inhibits Thick Ascending Limb Transport via Akt-stimulated Nitric Oxide Production. Journal of Biological Chemistry, 2009, 284, 1454-1460.	3.4	57
20	Expression and Function of the Calcium-Sensing Receptor in Juxtaglomerular Cells. Hypertension, 2007, 50, 737-743.	2.7	55
21	Adenylyl Cyclase Isoform V Mediates Renin Release From Juxtaglomerular Cells. Hypertension, 2007, 49, 618-624.	2.7	54
22	cGMP decreases surface NKCC2 levels in the thick ascending limb: role of phosphodiesterase 2 (PDE2). American Journal of Physiology - Renal Physiology, 2008, 295, F877-F887.	2.7	43
23	Dynamin2, Clathrin, and Lipid Rafts Mediate Endocytosis of the Apical Na/K/2Cl Cotransporter NKCC2 in Thick Ascending Limbs. Journal of Biological Chemistry, 2012, 287, 37824-37834.	3.4	43
24	Moderate (20%) fructose-enriched diet stimulates salt-sensitive hypertension with increased salt retention and decreased renal nitric oxide. Physiological Reports, 2017, 5, e13162.	1.7	43
25	Autocrine effects of nitric oxide on HCO3- transport by rat thick ascending limb. Kidney International, 2000, 58, 2069-2074.	5.2	40
26	Luminal flow induces eNOS activation and translocation in the rat thick ascending limb. II. Role of PI3-kinase and Hsp90. American Journal of Physiology - Renal Physiology, 2004, 287, F281-F288.	2.7	39
27	An in vivo method for adenovirus-mediated transduction of thick ascending limbs. Kidney International, 2003, 63, 1141-1149.	5.2	34
28	Calcium-dependent phosphodiesterase 1C inhibits renin release from isolated juxtaglomerular cells. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2009, 297, R1469-R1476.	1.8	34
29	High-Salt Diet Increases Sensitivity to NO and eNOS Expression But Not NO Production in THALs. Hypertension, 2003, 41, 682-687.	2.7	30
30	Constitutive endocytosis and recycling of NKCC2 in rat thick ascending limbs. American Journal of Physiology - Renal Physiology, 2010, 299, F1193-F1202.	2.7	30
31	High SARS-CoV-2 Viral Load in Urine Sediment Correlates with Acute Kidney Injury and Poor COVID-19 Outcome. Journal of the American Society of Nephrology: JASN, 2021, 32, 2517-2528.	6.1	30
32	Vesicle-associated Membrane Protein 2 (VAMP2) but Not VAMP3 Mediates cAMP-stimulated Trafficking of the Renal Na+-K+-2Clâ^' Co-transporter NKCC2 in Thick Ascending Limbs. Journal of Biological Chemistry, 2014, 289, 23951-23962.	3.4	25
33	Angiotensin II-mediated hypertension impairs nitric oxide-induced NKCC2 inhibition in thick ascending limbs. American Journal of Physiology - Renal Physiology, 2016, 310, F748-F754.	2.7	22
34	Role of AlstrÃ¶m syndrome 1 in the regulation of blood pressure and renal function. JCI Insight, 2018, 3, .	5.0	21
35	Hyperphosphorylation of Na-K-2Cl Cotransporter in Thick Ascending Limbs of Dahl Salt-Sensitive Rats. Hypertension, 2012, 60, 1464-1470.	2.7	20
36	Direct renal effects of a fructose-enriched diet: interaction with high salt intake. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2015, 309, R1078-R1081.	1.8	20

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37	Î²-Adrenergic receptor stimulation increases surface NKCC2 expression in rat thick ascending limbs in a process inhibited by phosphodiesterase 4. American Journal of Physiology - Renal Physiology, 2012, 303, F1307-F1314.	2.7	17
38	Vesicle-associated Membrane Protein 3 (VAMP3) Mediates Constitutive Trafficking of the Renal Co-transporter NKCC2 in Thick Ascending Limbs. Journal of Biological Chemistry, 2016, 291, 22063-22073.	3.4	16
39	Fructose acutely stimulates NKCC2 activity in rat thick ascending limbs by increasing surface NKCC2 expression. American Journal of Physiology - Renal Physiology, 2019, 316, F550-F557.	2.7	16
40	Real-time monitoring of NKCC2 endocytosis by total internal reflection fluorescence (TIRF) microscopy. American Journal of Physiology - Renal Physiology, 2016, 310, F183-F191.	2.7	15
41	The deleterious role of the prostaglandin E₂ EP₃ receptor in angiotensin II hypertension. American Journal of Physiology - Heart and Circulatory Physiology, 2020, 318, H867-H882.	3.2	15
42	Molecular regulation of NKCC2 in blood pressure control and hypertension. Current Opinion in Nephrology and Hypertension, 2019, 28, 474-480.	2.0	14
43	In Vivo and Ex Vivo Analysis of Tubule Function. , 2012, 2, 2495-2525.		12
44	Decreased tubuloglomerular feedback response in high-fat diet-induced obesity. American Journal of Physiology - Renal Physiology, 2022, 322, F429-F436.	2.7	8
45	Urinary concentrating defect in mice lacking Epac1 or Epac2. FASEB Journal, 2019, 33, 2156-2170.	0.5	7
46	Superoxide increases surface NKCC2 in the rat thick ascending limbs via PKC. American Journal of Physiology - Renal Physiology, 2019, 317, F99-F106.	2.7	3
47	Nitric Oxide (NO) Modulation of Cl-Dependent Transporters in the Kidney. , 2004, 559, 147-156.		2
48	K + â€“Mediated Regulation of Distal Convoluted Tubule Na/Cl Cotransporter Phosphorylation During Angiotensin IIâ€“Induced Hypertension. Hypertension, 2016, 68, 853-854.	2.7	1
49	Single-molecule labeling for studying trafficking of renal transporters. American Journal of Physiology - Renal Physiology, 2018, 315, F1243-F1249.	2.7	1
50	The FSGS protein Actininâ€4 (ACTN4) is expressed in Thick Ascending Limbs and interacts with NKCC2 and ALMS1 to regulate NKCC2 trafficking. FASEB Journal, 2021, 35, .	0.5	0
51	Superoxide stimulates PKC activity in the thick ascending limb. FASEB Journal, 2006, 20, A336.	0.5	0
52	Decreased intracellular calcium stimulates cAMP and renin release from isolated juxtaglomerular (JG) cells.. FASEB Journal, 2006, 20, A344.	0.5	0
53	A small fraction of total NKCC2 is located in the apical membrane of thick ascending limbs under basal conditions. FASEB Journal, 2006, 20, .	0.5	0
54	Juxtaglomerular cells use calciumâ€sensing receptors to mediate calcium regulation of renin release. FASEB Journal, 2007, 21, A1251.	0.5	0

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55	dDAVP increases surface NKCC2 levels via activation of PKA in rat thick ascending limbs. FASEB Journal, 2008, 22, 1158.16.	0.5	0
56	Bâ€methylâ€cyclodextrin (Bâ€methylâ€CD) blocks constitutive NKCC2 endocytosis, increases surface NKCC2 and stimulates net NaCl absorption in Thick Ascending Limbs.. FASEB Journal, 2009, 23, 602.18.	0.5	0
57	Constitutive endocytosis of NKCC2 in thick ascending limbs is dynamin dependent. FASEB Journal, 2009, 23, 796.39.	0.5	0
58	Caveolinâ€1 mediates constitutive NKCC2 endocytosis in thick ascending limbs. FASEB Journal, 2010, 24, 606.21.	0.5	0
59	Vesicle associated membrane protein (VAMP) 3 but not VAMP2 is involved in NKCC2 apical targeting and processing in thick ascending limbs (TALs). FASEB Journal, 2010, 24, 606.32.	0.5	0
60	SUPEROXIDE INCREASES SURFACE NKCC2 EXPRESSION IN RAT THICK ASCENDING LIMBS. FASEB Journal, 2011, 25, 1041.20.	0.5	0
61	Clathrinâ€mediated NKCC2 endocytosis in thick ascending limbs (THALs). FASEB Journal, 2011, 25, .	0.5	0
62	VAMP3 mediates NKCC2 trafficking in thick ascending limbs and is required for normal renal function and blood pressure. FASEB Journal, 2013, 27, 1210.4.	0.5	0
63	NOâ€induced increases in cGMP and inhibition of NKCC2 activity are blunted in thick ascending limbs from angiotensin IIâ€hypertensive rats. FASEB Journal, 2013, 27, lb867.	0.5	0
64	Enhanced sensitivity of NKCC2 to Î²â€adrenergic receptor stimulation in TALs from Dahl salt sensitive (DSS) rats. FASEB Journal, 2013, 27, 910.2.	0.5	0
65	Decreased Surface NKCC2 Expression and Increased Urinary Excretion of Water and Ions in VAMP3 Knockout Mice. FASEB Journal, 2015, 29, 666.19.	0.5	0
66	SPAK (Stk39) is Involved in NKCC2 Phosphorylation and Saltâ€sensitive Hypertension in Dahl Saltâ€sensitive Rats. FASEB Journal, 2018, 32, 620.9.	0.5	0
67	Abstract 004: Caloric Restriction Prevents the Increase in Body Weight but not Hypertension in ALMS1 (AlstrÃ¶m syndrome 1) Knockout Rat. Hypertension, 2018, 72, .	2.7	0
68	Abstract 065: Enhanced Glomerular Capillary Pressure and Tubuloglomerular Feedback (tgf) in Obese Alms1 (alstrom Syndrome 1) Knock Out Rats. Hypertension, 2018, 72, .	2.7	0
69	Monitoring Hydrogen Peroxide (H 2 O 2) in live kidneys by Multiphoton Microscopy and genetically encoded probes. FASEB Journal, 2019, 33, .	0.5	0
70	ALMS1 deletion in rats causes hyperleptinemia, progressive obesity, and renal damage. FASEB Journal, 2019, 33, 867.4.	0.5	0
71	Abstract 079: Elevated Fructose Intake Induces Hypertension in Dahl Salt Sensitive (SS) Rats on a Normal Na Diet: Role of SPAK (STK39) and NKCC2. Hypertension, 2019, 74, .	2.7	0
72	The FSGS protein Actininâ€4 (ACTN4) is expressed in Thick Ascending Limbs and interacts with NKCC2 and ALMS1 to regulate NKCC2 trafficking.. FASEB Journal, 2020, 34, 1-1.	0.5	0

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73	RNAseq in fat pads from Alstrom syndrome 1 (ALMS1) Knockout rats support a role for ALMS1 in leptin release and fat metabolism in adipocytes.. FASEB Journal, 2020, 34, 1-1.	0.5	0
74	Evaluation of a genetically encoded Cl^{â^'} and pH sensor (ClopHensor) for monitoring intragranular Cl^{â^'} in renal endocrine juxtaglomerular (JG) cells.. FASEB Journal, 2020, 34, 1-1.	0.5	0
75	Gut microbiota depletion with antibiotics enhances fructose induced saltâ€sensitive hypertension in normal rats. FASEB Journal, 2022, 36, .	0.5	0
76	Abstract 103: Decreased Ability to Excrete a Na Load and Hypertension in the ALMS1 (Alstrom Syndrome) Tj ETQq0 0 0 rgBT /Overlock 1	2.7	0