Alexis A Gonzalez

List of Publications by Year
in descending order

53 papers	1,626 citations	304743 22 h-index	289244 40 g-index
53 all docs	53 docs citations	53 times ranked	1696 citing authors

#	Article	IF	Citations
1	The evolving complexity of the collecting duct reninâ€“angiotensin system in hypertension. Nature Reviews Nephrology, 2021, 17, 481-492.	9.6	28
2	Î±-Ketoglutarate Upregulates Collecting Duct (Pro)renin Receptor Expression, Tubular Angiotensin II Formation, and Na+ Reabsorption During High Glucose Conditions. Frontiers in Cardiovascular Medicine, 2021, 8, 644797.	2.4	4
3	High glucose induces trafficking of prorenin receptor and stimulates profibrotic factors in the collecting duct. Scientific Reports, 2021, 11, 13815.	3.3	5
4	Augmented reality-based learning for the comprehension of cardiac physiology in undergraduate biomedical students. American Journal of Physiology - Advances in Physiology Education, 2020, 44, 314-322.	1.6	16
5	MicroRNAs and obesity-induced endothelial dysfunction: key paradigms in molecular therapy. Cardiovascular Diabetology, 2020, 19, 136.	6.8	34
6	Augmented transcripts of kidney injury markers and renin angiotensin system in urine samples of overweight young adults. Scientific Reports, 2020, 10, 21154.	3.3	4
7	Low Nitric Oxide Bioavailability Increases Renin Production in the Collecting Duct. Frontiers in Physiology, 2020, 11, 559341.	2.8	9
8	Vasopressin actions in the kidney renin angiotensin system and its role in hypertension and renal disease. Vitamins and Hormones, 2020, 113, 217-238.	1.7	12
9	Antimony(III) induces fibroblast-like phenotype, profibrotic factors and reactive oxygen species in mouse renal cells. Environmental Chemistry, 2020, 17, 182.	1.5	4
10	(Pro)renin Receptor-Dependent Induction of Profibrotic Factors Is Mediated by COX-2/EP4/NOX-4/Smad Pathway in Collecting Duct Cells. Frontiers in Pharmacology, 2019, 10, 803.	3.5	13
11	Potassium Intake Prevents the Induction of the Renin-Angiotensin System and Increases Medullary ACE2 and COX-2 in the Kidneys of Angiotensin II-Dependent Hypertensive Rats. Frontiers in Pharmacology, 2019, 10, 1212.	3.5	14
12	Targeting Autophagy in Obesityâ€Associated Heart Disease. Obesity, 2019, 27, 1050-1058.	3.0	20
13	Upregulation of Cortical Renin and Downregulation of Medullary (Pro)Renin Receptor in Unilateral Ureteral Obstruction. Frontiers in Pharmacology, 2019, 10, 1314.	3.5	5
14	Abstract P2019: (Pro)Renin Receptor-Dependent Induction of Pro-Fibrotic Factors is Mediated by COX-2/EP4/NOX-4/Smad Pathway in Mouse Renal Collecting Duct Cells. Hypertension, 2019, 74, .	2.7	0
15	Myeloid CD11c⁺Antigen-Presenting Cells Ablation Prevents Hypertension in Response to Angiotensin II Plus High-Salt Diet. Hypertension, 2018, 71, 709-718.	2.7	41
16	The prorenin receptor in the cardiovascular system and beyond. American Journal of Physiology - Heart and Circulatory Physiology, 2018, 314, H139-H145.	3.2	22
17	Mineralocorticoids modulate the expression of the Î²-3 subunit of the Na+, K+-ATPase in the renal collecting duct. Channels, 2017, 11, 388-398.	2.8	0
18	(Pro)renin receptor activation increases profibrotic markers and fibroblastâ€like phenotype through <scp>MAPK</scp>â€dependent <scp>ROS</scp> formation in mouse renal collecting duct cells. Clinical and Experimental Pharmacology and Physiology, 2017, 44, 1134-1144.	1.9	20

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19	Prostaglandin E2 Induces Prorenin-Dependent Activation of (Pro)renin Receptor and Upregulation of Cyclooxygenase-2 in Collecting Duct Cells. American Journal of the Medical Sciences, 2017, 354, 310-318.	1.1	13
20	Collecting duct prorenin receptor knockout reduces renal function, increases sodium excretion, and mitigates renal responses in ANG II-induced hypertensive mice. American Journal of Physiology - Renal Physiology, 2017, 313, F1243-F1253.	2.7	49
21	Role of Collecting Duct Renin in the Pathogenesis of Hypertension. Current Hypertension Reports, 2017, 19, 62.	3.5	7
22	PGE₂upregulates renin through E-prostanoid receptor 1 via PKC/cAMP/CREB pathway in M-1 cells. American Journal of Physiology - Renal Physiology, 2017, 313, F1038-F1049.	2.7	15
23	IMPLEMENTATION OF AN ANALYTICAL METHOD FOR THE DETERMINATION OF INORGANIC ARSENIC SPECIES IN OCCUPATIONALLY EXPOSED HUMAN URINE SAMPLES AND ITS TOXIC EFFECTS ON EPITHELIAL CELLS OF RENAL COLLECTING TUBULE. Journal of the Chilean Chemical Society, 2016, 61, 3214-3218.	1.2	5
24	Vasopressin/V2 receptor stimulates renin synthesis in the collecting duct. American Journal of Physiology - Renal Physiology, 2016, 310, F284-F293.	2.7	27
25	Angiotensin II increases fibronectin and collagen I through the Î²-catenin-dependent signaling in mouse collecting duct cells. American Journal of Physiology - Renal Physiology, 2015, 308, F358-F365.	2.7	49
26	Renin and the (pro)renin receptor in the renal collecting duct: Role in the pathogenesis of hypertension. Clinical and Experimental Pharmacology and Physiology, 2015, 42, 14-21.	1.9	28
27	Roles of collecting duct renin and (pro)renin receptor in hypertension: mini review. Therapeutic Advances in Cardiovascular Disease, 2015, 9, 191-200.	2.1	15
28	PKC-Î±-dependent augmentation of cAMP and CREB phosphorylation mediates the angiotensin II stimulation of renin in the collecting duct. American Journal of Physiology - Renal Physiology, 2015, 309, F880-F888.	2.7	35
29	Renal medullary cyclooxygenase-2 and (pro)renin receptor expression during angiotensin II-dependent hypertension. American Journal of Physiology - Renal Physiology, 2014, 307, F962-F970.	2.7	33
30	Angiotensin II Increases the Expression of (Pro)Renin Receptor During Low-Salt Conditions. American Journal of the Medical Sciences, 2014, 348, 416-422.	1.1	21
31	Evolving concepts on regulation and function of renin in distal nephron. Pflugers Archiv European Journal of Physiology, 2013, 465, 121-132.	2.8	38
32	Angiotensin IIâ€“Independent Upregulation of Cyclooxygenase-2 by Activation of the (Pro)Renin Receptor in Rat Renal Inner Medullary Cells. Hypertension, 2013, 61, 443-449.	2.7	63
33	Reninâ€“Angiotensin System. , 2013, , 1499-1506.		0
34	Angiotensin II Stimulates Renin Synthesis and Secretion in Mouse Collecting Duct Mâ€1 cells via a PKC alphaâ€mediated cAMP Stimulation Mechanism. FASEB Journal, 2013, 27, 1165.16.	0.5	0
35	The sodium-activated sodium channel is expressed in the rat kidney thick ascending limb and collecting duct cells and is upregulated during high salt intake. American Journal of Physiology - Renal Physiology, 2012, 303, F105-F109.	2.7	11
36	The complex interplay between cyclooxygenase-2 and angiotensin II in regulating kidney function. Current Opinion in Nephrology and Hypertension, 2012, 21, 7-14.	2.0	36

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37	Vasopressin controls stanniocalcin-1 gene expression in rat and mouse kidney. Molecular and Cellular Endocrinology, 2012, 348, 183-188.	3.2	10
38	Cyclooxygenase-2 and hypoxia-regulated proteins are modulated by basic fibroblast growth factor in acute renal failure. Biological Research, 2012, 45, 51-60.	3.4	2
39	Downregulation of the (pro)renin receptor by insulin is potentiated by high glucose in mouse renal collecting duct cells. FASEB Journal, 2012, 26, 1068.11.	0.5	0
40	Angiotensin II Stimulates Renin in Inner Medullary Collecting Duct Cells via Protein Kinase C and Independent of Epithelial Sodium Channel and Mineralocorticoid Receptor Activity. Hypertension, 2011, 57, 594-599.	2.7	69
41	Soluble Form of the (Pro)Renin Receptor Is Augmented in the Collecting Duct and Urine of Chronic Angiotensin IIâ€"Dependent Hypertensive Rats. Hypertension, 2011, 57, 859-864.	2.7	132
42	Increased renin excretion is associated with augmented urinary angiotensin II levels in chronic angiotensin II-infused hypertensive rats. American Journal of Physiology - Renal Physiology, 2011, 301, F1195-F1201.	2.7	55
43	The Sodiumâ€Activated Sodium Channel (Nax) present in kidney thick ascending limb and collecting duct cells is augmented during high salt intake. FASEB Journal, 2011, 25, 1039.30.	0.5	0
44	Effect of COXâ€2 inhibition on sodium excretion and ENaC expression in Angiotensin II induced hypertensive rats. FASEB Journal, 2010, 24, 605.12.	0.5	0
45	E Prostanoid-1 receptor regulates renal medullary Î±ENaC in rats infused with angiotensin II. Biochemical and Biophysical Research Communications, 2009, 389, 372-377.	2.1	28
46	Inhibition of bFGF-receptor type 2 increases kidney damage and suppresses nephrogenic protein expression after ischemic acute renal failure. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2008, 294, R819-R828.	1.8	37
47	Effect of ischemic acute renal damage on the expression of COX-2 and oxidative stress-related elements in rat kidney. American Journal of Physiology - Renal Physiology, 2007, 292, F1364-F1371.	2.7	28
48	A Polymorphic GT Short Tandem Repeat Affecting Î²-ENaC mRNA Expression Is Associated With Low Renin Essential Hypertension. American Journal of Hypertension, 2007, 20, 800-806.	2.0	10
49	Biochemical and genetic characterization of 11 ??-hydroxysteroid dehydrogenase type 2 in low-renin essential hypertensives. Journal of Hypertension, 2005, 23, 71-77.	0.5	34
50	Congenital Lipoid Adrenal Hyperplasia Caused by a Novel Splicing Mutation in the Gene for the Steroidogenic Acute Regulatory Protein. Journal of Clinical Endocrinology and Metabolism, 2004, 89, 946-951.	3.6	20
51	Novel Intronic Mutation of MEN1 Gene Causing Familial Isolated Primary Hyperparathyroidism. Journal of Clinical Endocrinology and Metabolism, 2004, 89, 4124-4129.	3.6	27
52	Primary Aldosteronism and Hypertensive Disease. Hypertension, 2003, 42, 161-165.	2.7	433
53	Two Homozygous Mutations in the 11Î²-Hydroxysteroid Dehydrogenase Type 2 Gene in a Case of Apparent Mineralocorticoid Excess. Journal of Clinical Endocrinology and Metabolism, 2003, 88, 2501-2507.	3.6	45