

# Syed Jalal Khundmiri

## List of Publications by Year in descending order

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69  
papers

1,294  
citations

331670

21  
h-index

414414

32  
g-index

73  
all docs

73  
docs citations

73  
times ranked

1619  
citing authors

#	ARTICLE	IF	CITATIONS
1	PTH and Vitamin D. , 2016, 6, 561-601.		198
2	Clathrin-mediated Endocytosis of Na <sup>+</sup> ,K <sup>+</sup> -ATPase in Response to Parathyroid Hormone Requires ERK-dependent Phosphorylation of Ser-11 within the $\hat{\alpha}$ 1-Subunit. Journal of Biological Chemistry, 2004, 279, 17418-17427.	3.4	62
3	Ouabain stimulates Na-K-ATPase through a sodium/hydrogen exchanger-1 (NHE-1)-dependent mechanism in human kidney proximal tubule cells. American Journal of Physiology - Renal Physiology, 2010, 299, F77-F90.	2.7	60
4	Ouabain induces cell proliferation through calcium-dependent phosphorylation of Akt (protein kinase) Tj ETQqO 0 0 rgBT /Overlock 10 Tj 291, C1247-C1257.	4.6	59
5	Transcriptional regulation of NHE3 and SGLT1 by the circadian clock protein Per1 in proximal tubule cells. American Journal of Physiology - Renal Physiology, 2015, 309, F933-F942.	2.7	57
6	Aldosterone regulates Na <sup>+</sup> , K <sup>+</sup> ATPase activity in human renal proximal tubule cells through mineralocorticoid receptor. Biochimica Et Biophysica Acta - Molecular Cell Research, 2013, 1833, 2143-2152.	4.1	54
7	Role of NHERF-1 in Regulation of the Activity of Na-K ATPase and Sodium-Phosphate Co-transport in Epithelial Cells. Journal of the American Society of Nephrology: JASN, 2003, 14, 1711-1719.	6.1	52
8	Effect of ischemia and reperfusion on enzymes of carbohydrate metabolism in rat kidney. Journal of Nephrology, 2004, 17, 377-83.	2.0	48
9	Hydrogen sulfide mitigates hyperglycemic remodeling via liver kinase B1-adenosine monophosphate-activated protein kinase signaling. Biochimica Et Biophysica Acta - Molecular Cell Research, 2014, 1843, 2816-2826.	4.1	43
10	Does SARS-CoV-2 Infect the Kidney?. Journal of the American Society of Nephrology: JASN, 2020, 31, 2746-2748.	6.1	43
11	Ouabain stimulates protein kinase B (Akt) phosphorylation in opossum kidney proximal tubule cells through an ERK-dependent pathway. American Journal of Physiology - Cell Physiology, 2007, 293, C1171-C1180.	4.6	42
12	Parathyroid Hormone Regulation of Type II Sodium-Phosphate Cotransporters Is Dependent on an A Kinase Anchoring Protein. Journal of Biological Chemistry, 2003, 278, 10134-10141.	3.4	40
13	Plasma kininogen and kininogen fragments are biomarkers of progressive renal decline in type 1 diabetes. Kidney International, 2013, 83, 1177-1184.	5.2	36
14	Transcriptomes of Major Proximal Tubule Cell Culture Models. Journal of the American Society of Nephrology: JASN, 2021, 32, 86-97.	6.1	35
15	PTH and DA regulate Na-K ATPase through divergent pathways. American Journal of Physiology - Renal Physiology, 2002, 282, F512-F522.	2.7	33
16	Parathyroid Hormone Regulation of Na <sup>+</sup> ,K <sup>+</sup> -ATPase Requires the PDZ 1 Domain of Sodium Hydrogen Exchanger Regulatory Factor-1 in Opossum Kidney Cells. Journal of the American Society of Nephrology: JASN, 2005, 16, 2598-2607.	6.1	33
17	Parathyroid Hormone-mediated Regulation of Na <sup>+</sup> -K <sup>+</sup> -ATPase Requires ERK-dependent Translocation of Protein Kinase C $\hat{\alpha}$ . Journal of Biological Chemistry, 2005, 280, 8705-8713.	3.4	27
18	Novel regulatory function for NHERF-1 in Npt2a transcription. American Journal of Physiology - Renal Physiology, 2008, 294, F840-F849.	2.7	24

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19	Effect of ischemia reperfusion on sodium-dependent phosphate transport in renal brush border membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2005, 1716, 19-28.	2.6	23
20	PTH-mediated regulation of Na <sup>+</sup> -K <sup>+</sup> -ATPase requires Src kinase-dependent ERK phosphorylation. <i>American Journal of Physiology - Renal Physiology</i> , 2008, 295, F426-F437.	2.7	23
21	â€œSLC-omicsâ€•of the kidney: solute transporters along the nephron. <i>American Journal of Physiology - Cell Physiology</i> , 2021, 321, C507-C518.	4.6	22
22	Dopamine regulation of Na <sup>+</sup> -K <sup>+</sup> -ATPase requires the PDZ-2 domain of sodium hydrogen regulatory factor-1 (NHERF-1) in opossum kidney cells. <i>American Journal of Physiology - Cell Physiology</i> , 2011, 300, C425-C434.	4.6	21
23	Parathyroid hormone (PTH) decreases sodium-phosphate cotransporter type IIa (NpT2a) mRNA stability. <i>American Journal of Physiology - Renal Physiology</i> , 2013, 304, F1076-F1085.	2.7	21
24	Structural determinants for the ouabain-stimulated increase in Na <sup>+</sup> â€“K ATPase activity. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2014, 1843, 1089-1102.	4.1	21
25	PACAP Protects Against Ethanol and Nicotine Toxicity in SH-SY5Y Cells: Implications for Drinking-Smoking Co-morbidity. <i>Neurotoxicity Research</i> , 2017, 32, 8-13.	2.7	21
26	Steroidogenic acute regulatory-related lipid transfer domain protein 5 localization and regulation in renal tubules. <i>American Journal of Physiology - Renal Physiology</i> , 2009, 297, F380-F388.	2.7	20
27	Sphingolipids affect fibrinogen-induced caveolar transcytosis and cerebrovascular permeability. <i>American Journal of Physiology - Cell Physiology</i> , 2014, 307, C169-C179.	4.6	19
28	Low dose ouabain stimulates Na K ATPase Î±1 subunit association with angiotensin II type 1 receptor in renal proximal tubule cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2016, 1863, 2624-2636.	4.1	16
29	Effect of reversible and irreversible ischemia on marker enzymes of BBM from renal cortical PT subpopulations. <i>American Journal of Physiology - Renal Physiology</i> , 1997, 273, F849-F856.	2.7	15
30	Vacuolar ATPase driven potassium transport in highly metastatic breast cancer cells. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2013, 1832, 1734-1743.	3.8	15
31	Role of Na <sup>+</sup> /H <sup>+</sup> exchanger regulatory factor 1 in forward trafficking of the type IIa Na <sup>+</sup> -P <sup>i</sup> cotransporter. <i>American Journal of Physiology - Renal Physiology</i> , 2015, 309, F109-F119.	2.7	15
32	Advances in understanding the role of cardiac glycosides in control of sodium transport in renal tubules. <i>Journal of Endocrinology</i> , 2014, 222, R11-R24.	2.6	11
33	Identification of an RNA-binding protein that is phosphorylated by PTH and potentially mediates PTH-induced destabilization of Npt2a mRNA. <i>American Journal of Physiology - Cell Physiology</i> , 2016, 310, C205-C215.	4.6	11
34	Elongin C is a mediator of Notch4 activity in human renal tubule cells. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2011, 1814, 1748-1757.	2.3	10
35	Role of Vacuolar ATPase in the Trafficking of Renal Type IIa Sodium-phosphate Cotransporter. <i>Cellular Physiology and Biochemistry</i> , 2011, 27, 703-714.	1.6	9
36	Influence of Ramadan-type fasting on carbohydrate metabolism, brush border membrane enzymes and phosphate transport in rat kidney used as a model. <i>British Journal of Nutrition</i> , 2007, 98, 984-990.	2.3	8

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37	Loss of NHERF-1 expression prevents dopamine-mediated Na-K-ATPase regulation in renal proximal tubule cells from rat models of hypertension: aged F344 rats and spontaneously hypertensive rats. <i>American Journal of Physiology - Cell Physiology</i> , 2017, 313, C197-C206.	4.6	8
38	Rapid Lipid Modification of Endothelial Cell Membranes in Cardiac Ischemia/Reperfusion Injury: a Novel Therapeutic Strategy to Reduce Infarct Size. <i>Cardiovascular Drugs and Therapy</i> , 2021, 35, 113-123.	2.6	8
39	Systems Biology of the Vasopressin V2 Receptor: New Tools for Discovery of Molecular Actions of a GPCR. <i>Annual Review of Pharmacology and Toxicology</i> , 2022, 62, 595-616.	9.4	5
40	ADPKD-omics: determinants of cyclic AMP levels in renal epithelial cells. <i>Kidney International</i> , 2022, 101, 47-62.	5.2	5
41	Loss of the Na <sup>+</sup> /H <sup>+</sup> Exchange Regulatory Factor 1 Increases Susceptibility to Cisplatin-Induced Acute Kidney Injury. <i>American Journal of Pathology</i> , 2019, 189, 1190-1200.	3.8	4
42	Sodium-hydrogen exchanger regulatory factor-1 (NHERF1) confers salt sensitivity in both male and female models of hypertension in aging. <i>Life Sciences</i> , 2020, 243, 117226.	4.3	4
43	Protein-DNA Interactions at the Opossum Npt2a Promoter are Dependent upon NHERF-1. <i>Cellular Physiology and Biochemistry</i> , 2016, 39, 1-12.	1.6	3
44	NHERF1 Loss Upregulates Enzymes of the Pentose Phosphate Pathway in Kidney Cortex. <i>Antioxidants</i> , 2020, 9, 862.	5.1	3
45	PPAR- $\delta$ knockout leads to elevated blood pressure response to angiotensin II infusion associated with an increase in renal Na <sup>+</sup> /K <sup>+</sup> ATPase protein expression and activity. <i>Life Sciences</i> , 2022, 296, 120444.	4.3	3
46	Role of PTH in the Renal Handling of Phosphate. <i>AIMS Medical Science</i> , 2015, 2, 162-181.	0.4	2
47	Na/H Exchange Regulatory Factor 1 Deficient Mice Show Evidence of Oxidative Stress and Altered Cisplatin Pharmacokinetics. <i>Antioxidants</i> , 2021, 10, 1036.	5.1	1
48	Lack of ER Stress in NHERF1-Deficient Proximal Tubule Cells Exhibiting Aberrant Npt2a Localization. <i>FASEB Journal</i> , 2021, 35, .	0.5	0
49	The Sodium-Hydrogen Exchanger Regulatory Factor NHERF1 is required for apical membrane protein trafficking in renal epithelial cells. <i>FASEB Journal</i> , 2007, 21, A544.	0.5	0
50	Nanomolar concentrations of ouabain stimulate Na <sup>+</sup> K <sup>+</sup> ATPase through sodium hydrogen exchanger (NHE1) dependent mechanism.. <i>FASEB Journal</i> , 2008, 22, 935.11.	0.5	0
51	Low dose ouabain regulation of Na <sup>+</sup> K <sup>+</sup> ATPase requires NHE1 scaffolding properties.. <i>FASEB Journal</i> , 2009, 23, 798.5.	0.5	0
52	Evidence for Aldosterone-mediated regulation of Na <sup>+</sup> K <sup>+</sup> ATPase in kidney proximal tubules. <i>FASEB Journal</i> , 2010, 24, 606.25.	0.5	0
53	Endoplasmic Reticulum Stress Enhances Steroidogenic Acute Regulatory (StAR)-Related Lipid Transfer Domain Protein 5 (STARD5) Expression and Cholesterol Efflux in HKC8 Human Renal Proximal Tubule Cells. <i>FASEB Journal</i> , 2010, 24, 850.1.	0.5	0
54	Steroidogenic Acute Regulatory (StAR)-Related Lipid Transfer Domain Protein 5 (STARD5) expression is associated with cholesterol content of human kidney proximal tubule cells. <i>FASEB Journal</i> , 2011, 25, 937.1.	0.5	0

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55	Renal proximal tubule ion transporters are discrepantly regulated by parathyroid hormone in acute versus chronic hyperparathyroidism. FASEB Journal, 2012, 26, 867.22.	0.5	0
56	Parathyroid Hormone (PTH) decreases mRNA stability of the Type IIa Sodium-Phosphate Cotransporter (Npt2a). FASEB Journal, 2013, 27, 1210.15.	0.5	0
57	Role of sphingolipids in fibrinogen-induced cerebrovascular permeability. FASEB Journal, 2013, 27, 1131.9.	0.5	0
58	Ouabain increases association between Na <sup>+</sup> -ATPase (Na <sup>+</sup> ) and NHE1 through Na <sup>+</sup> -terminal domain of Na <sup>+</sup> . FASEB Journal, 2013, 27, 726.10.	0.5	0
59	Comparison of protein expression in kidney tubular apical and basolateral membranes in young and old rats. FASEB Journal, 2015, 29, 969.9.	0.5	0
60	Low Phosphate Stimulates Na <sup>+</sup> -H Exchanger Regulatory Factor I (NHERF1) Trafficking. FASEB Journal, 2015, 29, 809.1.	0.5	0
61	Ouabain signaling requires angiotensin II type 1 receptor activation.. FASEB Journal, 2015, 29, 845.31.	0.5	0
62	KSRP and Roquin <sup>2</sup> : Mediators of PTH-induced Npt2a mRNA Destabilization?. FASEB Journal, 2015, 29, 809.2.	0.5	0
63	Advances in the Understanding of Renal Proximal Tubular Na <sup>+</sup> /K <sup>+</sup> ATPase Regulation by Parathyroid Hormone and Dopamine. , 2016, , 359-373.		0
64	Effect of Fasting on Enzymes of Carbohydrate Metabolism, Brush Border Membrane and on Transport Functions in Superficial and Juxta-Medullary Cortex of Rat Kidney. Journal of Nutrition & Food Sciences, 2017, 07, .	1.0	0
65	Age-dependent Changes in miRNA Profile in F344 rat and C57BL/6J mice: Role of sodium hydrogen exchanger regulatory factor <sup>1</sup> (NHERF1). FASEB Journal, 2018, 32, 753.5.	0.5	0
66	Effects of Low dose Ouabain on Blood Pressure: Role of Angiotensin II type 1 receptor (AT2R1). FASEB Journal, 2018, 32, 716.15.	0.5	0
67	The increased expression of microRNAs 451, 638 and 362 in Urinary Exosomes of Human Subjects profiled as Diabetic and Hypertensive. FASEB Journal, 2019, 33, 716.5.	0.5	0
68	Age- and Salt-dependent Changes in miRNA Profile in FBN rat and C57BL/6J mice: Role of sodium hydrogen exchanger regulatory factor <sup>1</sup> (NHERF1). FASEB Journal, 2019, 33, 713.1.	0.5	0
69	Biological Functions for STARD5 Assessed Using stard5 <sup>-/-</sup> Mice. FASEB Journal, 2020, 34, 1-1.	0.5	0