

# Jiang Liu

## List of Publications by Year in descending order

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54  
papers

2,941  
citations

159358

30  
h-index

168136

53  
g-index

62  
all docs

62  
docs citations

62  
times ranked

1968  
citing authors

#	ARTICLE	IF	CITATIONS
1	Blockage of the Na-K-ATPase signaling-mediated oxidant amplification loop elongates red blood cell half-life and ameliorates uremic anemia induced by 5/6th PNx in C57BL/6 mice. <i>American Journal of Physiology - Renal Physiology</i> , 2022, 322, F655-F666.	1.3	3
2	The potential role of Na-K-ATPase and its signaling in the development of anemia in chronic kidney disease. <i>American Journal of Physiology - Renal Physiology</i> , 2021, 320, F234-F242.	1.3	6
3	The Na/K-ATPase Signaling and SGLT2 Inhibitor-Mediated Cardiorenal Protection: A Crossed Road?. <i>Journal of Membrane Biology</i> , 2021, 254, 513-529.	1.0	7
4	Role of adipocyte Na,K-ATPase oxidant amplification loop in cognitive decline and neurodegeneration. <i>IScience</i> , 2021, 24, 103262.	1.9	3
5	Oxidant-Induced Alterations in the Adipocyte Transcriptome: Role of the Na,K-ATPase Oxidant Amplification Loop. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5923.	1.8	7
6	The Na/K-ATPase $\hat{1}$ and c-Src form signaling complex under native condition: A crosslinking approach. <i>Scientific Reports</i> , 2020, 10, 6006.	1.6	16
7	Central Role for Adipocyte Na,K-ATPase Oxidant Amplification Loop in the Pathogenesis of Experimental Uremic Cardiomyopathy. <i>Journal of the American Society of Nephrology: JASN</i> , 2020, 31, 1746-1760.	3.0	15
8	The Redox-Sensitive Na/K-ATPase Signaling in Uremic Cardiomyopathy. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1256.	1.8	12
9	Metabolic Syndrome and Salt-Sensitive Hypertension in Polygenic Obese TALLYHO/JngJ Mice: Role of Na/K-ATPase Signaling. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3495.	1.8	9
10	Targeting Na/K-ATPase Signaling: A New Approach to Control Oxidative Stress. <i>Current Pharmaceutical Design</i> , 2018, 24, 359-364.	0.9	33
11	The Na/K-ATPase Signaling: From Specific Ligands to General Reactive Oxygen Species. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2600.	1.8	42
12	Na/K-ATPase signaling mediates miR-29b-3p regulation and cardiac fibrosis formation in mice with chronic kidney disease. <i>PLoS ONE</i> , 2018, 13, e0197688.	1.1	36
13	Sodium potassium adenosine triphosphatase (Na/K-ATPase) as a therapeutic target for uremic cardiomyopathy. <i>Expert Opinion on Therapeutic Targets</i> , 2017, 21, 531-541.	1.5	20
14	A Mouse 5/6 <sup>th</sup> Nephrectomy Model That Induces Experimental Uremic Cardiomyopathy. <i>Journal of Visualized Experiments</i> , 2017, , .	0.2	21
15	Na/K-ATPase Signaling and Salt Sensitivity: The Role of Oxidative Stress. <i>Antioxidants</i> , 2017, 6, 18.	2.2	8
16	Carbonylation Modification Regulates Na/K-ATPase Signaling and Salt Sensitivity: A Review and a Hypothesis. <i>Frontiers in Physiology</i> , 2016, 7, 256.	1.3	20
17	Cigarette smoking causes epigenetic changes associated with cardiorenal fibrosis. <i>Physiological Genomics</i> , 2016, 48, 950-960.	1.0	21
18	Protein Carbonylation of an Amino Acid Residue of the Na/K-ATPase $\hat{1}$ Subunit Determines Na/K-ATPase Signaling and Sodium Transport in Renal Proximal Tubular Cells. <i>Journal of the American Heart Association</i> , 2016, 5, .	1.6	32

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19	Differential roles of caveolin-1 in ouabain-induced Na <sup>+</sup> /K <sup>+</sup> -ATPase cardiac signaling and contractility. <i>Physiological Genomics</i> , 2016, 48, 739-748.	1.0	14
20	Rapamycin Attenuates Cardiac Fibrosis in Experimental Uremic Cardiomyopathy by Reducing Marinobufagenin Levels and Inhibiting Downstream Pro-Fibrotic Signaling. <i>Journal of the American Heart Association</i> , 2016, 5, .	1.6	33
21	Attenuation of Na/K-ATPase Mediated Oxidant Amplification with pNaKtide Ameliorates Experimental Uremic Cardiomyopathy. <i>Scientific Reports</i> , 2016, 6, 34592.	1.6	51
22	Hiding inside? Intracellular expression of non-glycosylated c-kit protein in cardiac progenitor cells. <i>Stem Cell Research</i> , 2016, 16, 795-806.	0.3	8
23	Na/K-ATPase signaling regulates collagen synthesis through microRNA-29b-3p in cardiac fibroblasts. <i>Physiological Genomics</i> , 2016, 48, 220-229.	1.0	47
24	Reduction of Na/K-ATPase affects cardiac remodeling and increases c-kit cell abundance in partial nephrectomized mice. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014, 306, H1631-H1643.	1.5	23
25	Effects of Na/K-ATPase and its ligands on bone marrow stromal cell differentiation. <i>Stem Cell Research</i> , 2014, 13, 12-23.	0.3	23
26	Involvement of Reactive Oxygen Species in a Feed-forward Mechanism of Na/K-ATPase-mediated Signaling Transduction. <i>Journal of Biological Chemistry</i> , 2013, 288, 34249-34258.	1.6	85
27	CD36 and Na/K-ATPase- $\beta$ 1 Form a Proinflammatory Signaling Loop in Kidney. <i>Hypertension</i> , 2013, 61, 216-224.	1.3	84
28	Na/K-ATPase in Bone Marrow Derived Stromal Cells. <i>FASEB Journal</i> , 2013, 27, 726.8.	0.2	0
29	Protein Carbonylation Regulates Renal Proximal Tubular Na/K-ATPase signaling and Sodium Transport. <i>FASEB Journal</i> , 2013, 27, 1115.11.	0.2	0
30	Reactive Oxygen Species Modulation of Na/K-ATPase Regulates Fibrosis and Renal Proximal Tubular Sodium Handling. <i>International Journal of Nephrology</i> , 2012, 2012, 1-14.	0.7	52
31	Ouabain and Insulin Induce Sodium Pump Endocytosis in Renal Epithelium. <i>Hypertension</i> , 2012, 59, 665-672.	1.3	15
32	Ouabain-stimulated trafficking regulation of the Na/K-ATPase and NHE3 in renal proximal tubule cells. <i>Molecular and Cellular Biochemistry</i> , 2012, 367, 175-183.	1.4	37
33	Impairment of Na/K-ATPase Signaling in Renal Proximal Tubule Contributes to Dahl Salt-sensitive Hypertension. <i>Journal of Biological Chemistry</i> , 2011, 286, 22806-22813.	1.6	61
34	The sodium pump and cardiotonic steroids-induced signal transduction protein kinases and calcium-signaling microdomain in regulation of transporter trafficking. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2010, 1802, 1237-1245.	1.8	109
35	Marinobufagenin induces increases in procollagen expression in a process involving protein kinase C and Fli-1: implications for uremic cardiomyopathy. <i>American Journal of Physiology - Renal Physiology</i> , 2009, 296, F1219-F1226.	1.3	84
36	Regulation of apical NHE3 trafficking by ouabain-induced activation of the basolateral Na <sup>+</sup> -K <sup>+</sup> -ATPase receptor complex. <i>American Journal of Physiology - Cell Physiology</i> , 2008, 294, C555-C563.	2.1	52

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37	Identification of a Pool of Non-pumping Na/K-ATPase. Journal of Biological Chemistry, 2007, 282, 10585-10593.	1.6	213
38	Marinobufagenin Stimulates Fibroblast Collagen Production and Causes Fibrosis in Experimental Uremic Cardiomyopathy. Hypertension, 2007, 49, 215-224.	1.3	145
39	Regulation of sodium pump endocytosis by cardiotoxic steroids: Molecular mechanisms and physiological implications. Pathophysiology, 2007, 14, 171-181.	1.0	41
40	Involvement of Na <sup>+</sup> /K <sup>+</sup> -ATPase in hydrogen peroxide-induced hypertrophy in cardiac myocytes. Free Radical Biology and Medicine, 2006, 41, 1548-1556.	1.3	47
41	Cardiac glycoside downregulates NHE3 activity and expression in LLC-PK1 cells. American Journal of Physiology - Renal Physiology, 2006, 290, F997-F1008.	1.3	43
42	Ouabain-induced endocytosis of the plasmalemmal Na/K-ATPase in LLC-PK1 cells requires caveolin-1. Kidney International, 2005, 67, 1844-1854.	2.6	120
43	Salt loading induces redistribution of the plasmalemmal Na/K-ATPase in proximal tubule cells. Kidney International, 2005, 67, 1868-1877.	2.6	69
44	Ouabain-induced endocytosis and signal transduction of the Na/K-ATPase. Frontiers in Bioscience - Landmark, 2005, 10, 2056.	3.0	14
45	Ouabain induces endocytosis of plasmalemmal Na/K-ATPase in LLC-PK1 cells by a clathrin-dependent mechanism. Kidney International, 2004, 66, 227-241.	2.6	138
46	Title is missing!. Molecular and Cellular Biochemistry, 2003, 242, 181-187.	1.4	68
47	Effect of green tea extract on cardiac hypertrophy following 5/6 nephrectomy in the rat. Kidney International, 2003, 63, 1785-1790.	2.6	64
48	Involvement of mitogen-activated protein kinases and reactive oxygen species in the inotropic action of ouabain on cardiac myocytes. A potential role for mitochondrial K(ATP) channels. Molecular and Cellular Biochemistry, 2003, 242, 181-7.	1.4	35
49	Effects of cardiac glycosides on sodium pump expression and function in LLC-PK1 and MDCK cells. Kidney International, 2002, 62, 2118-2125.	2.6	66
50	Downregulation of cardiac myocyte Na <sup>+</sup> -K <sup>+</sup> -ATPase by adenovirus-mediated expression of an $\alpha$ -subunit fragment. American Journal of Physiology - Heart and Circulatory Physiology, 2001, 280, H1415-H1421.	1.5	6
51	EFFECTS OF HYPOKALEMIA ON CARDIAC GROWTH. Renal Failure, 2000, 22, 561-572.	0.8	17
52	Ouabain Interaction with Cardiac Na <sup>+</sup> /K <sup>+</sup> -ATPase Initiates Signal Cascades Independent of Changes in Intracellular Na <sup>+</sup> and Ca <sup>2+</sup> Concentrations. Journal of Biological Chemistry, 2000, 275, 27838-27844.	1.6	323
53	Intracellular Reactive Oxygen Species Mediate the Linkage of Na <sup>+</sup> /K <sup>+</sup> -ATPase to Hypertrophy and Its Marker Genes in Cardiac Myocytes. Journal of Biological Chemistry, 1999, 274, 19323-19328.	1.6	281
54	The Na/K-ATPase Signaling Regulates Natriuresis in Renal Proximal Tubule. , 0, , .		1