

Jiang Liu

List of Publications by Year in descending order

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Version: 2024-02-01

54
papers

2,941
citations

159585

30
h-index

168389

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. | 2.7 | 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. | 2.7 | 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. | 2.1 | 7 |
| 4 | Role of adipocyte Na,K-ATPase oxidant amplification loop in cognitive decline and neurodegeneration. <i>IScience</i> , 2021, 24, 103262. | 4.1 | 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. | 4.1 | 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. | 3.3 | 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. | 6.1 | 15 |
| 8 | The Redox-Sensitive Na/K-ATPase Signaling in Uremic Cardiomyopathy. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1256. | 4.1 | 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. | 4.1 | 9 |
| 10 | Targeting Na/K-ATPase Signaling: A New Approach to Control Oxidative Stress. <i>Current Pharmaceutical Design</i> , 2018, 24, 359-364. | 1.9 | 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. | 4.1 | 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. | 2.5 | 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. | 3.4 | 20 |
| 14 | A Mouse 5/6 th Nephrectomy Model That Induces Experimental Uremic Cardiomyopathy. <i>Journal of Visualized Experiments</i> , 2017, , . | 0.3 | 21 |
| 15 | Na/K-ATPase Signaling and Salt Sensitivity: The Role of Oxidative Stress. <i>Antioxidants</i> , 2017, 6, 18. | 5.1 | 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. | 2.8 | 20 |
| 17 | Cigarette smoking causes epigenetic changes associated with cardiorenal fibrosis. <i>Physiological Genomics</i> , 2016, 48, 950-960. | 2.3 | 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, . | 3.7 | 32 |

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|----|---|-----|-----------|
| 19 | Differential roles of caveolin-1 in ouabain-induced Na ⁺ /K ⁺ -ATPase cardiac signaling and contractility. <i>Physiological Genomics</i> , 2016, 48, 739-748. | 2.3 | 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, . | 3.7 | 33 |
| 21 | Attenuation of Na/K-ATPase Mediated Oxidant Amplification with pNaKtide Ameliorates Experimental Uremic Cardiomyopathy. <i>Scientific Reports</i> , 2016, 6, 34592. | 3.3 | 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. | 0.7 | 8 |
| 23 | Na/K-ATPase signaling regulates collagen synthesis through microRNA-29b-3p in cardiac fibroblasts. <i>Physiological Genomics</i> , 2016, 48, 220-229. | 2.3 | 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. | 3.2 | 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. | 0.7 | 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. | 3.4 | 85 |
| 27 | CD36 and Na/K-ATPase- β 1 Form a Proinflammatory Signaling Loop in Kidney. <i>Hypertension</i> , 2013, 61, 216-224. | 2.7 | 84 |
| 28 | Na/K-ATPase in Bone Marrow Derived Stromal Cells. <i>FASEB Journal</i> , 2013, 27, 726.8. | 0.5 | 0 |
| 29 | Protein Carbonylation Regulates Renal Proximal Tubular Na/K-ATPase signaling and Sodium Transport. <i>FASEB Journal</i> , 2013, 27, 1115.11. | 0.5 | 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. | 1.3 | 52 |
| 31 | Ouabain and Insulin Induce Sodium Pump Endocytosis in Renal Epithelium. <i>Hypertension</i> , 2012, 59, 665-672. | 2.7 | 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. | 3.1 | 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. | 3.4 | 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. | 3.8 | 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. | 2.7 | 84 |
| 36 | Regulation of apical NHE3 trafficking by ouabain-induced activation of the basolateral Na ⁺ -K ⁺ -ATPase receptor complex. <i>American Journal of Physiology - Cell Physiology</i> , 2008, 294, C555-C563. | 4.6 | 52 |

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|----|--|-----|-----------|
| 37 | Identification of a Pool of Non-pumping Na/K-ATPase. <i>Journal of Biological Chemistry</i> , 2007, 282, 10585-10593. | 3.4 | 213 |
| 38 | Marinobufagenin Stimulates Fibroblast Collagen Production and Causes Fibrosis in Experimental Uremic Cardiomyopathy. <i>Hypertension</i> , 2007, 49, 215-224. | 2.7 | 145 |
| 39 | Regulation of sodium pump endocytosis by cardiotoxic steroids: Molecular mechanisms and physiological implications. <i>Pathophysiology</i> , 2007, 14, 171-181. | 2.2 | 41 |
| 40 | Involvement of Na ⁺ /K ⁺ -ATPase in hydrogen peroxide-induced hypertrophy in cardiac myocytes. <i>Free Radical Biology and Medicine</i> , 2006, 41, 1548-1556. | 2.9 | 47 |
| 41 | Cardiac glycoside downregulates NHE3 activity and expression in LLC-PK1 cells. <i>American Journal of Physiology - Renal Physiology</i> , 2006, 290, F997-F1008. | 2.7 | 43 |
| 42 | Ouabain-induced endocytosis of the plasmalemmal Na/K-ATPase in LLC-PK1 cells requires caveolin-1. <i>Kidney International</i> , 2005, 67, 1844-1854. | 5.2 | 120 |
| 43 | Salt loading induces redistribution of the plasmalemmal Na/K-ATPase in proximal tubule cells. <i>Kidney International</i> , 2005, 67, 1868-1877. | 5.2 | 69 |
| 44 | Ouabain-induced endocytosis and signal transduction of the Na/K-ATPase. <i>Frontiers in Bioscience - Landmark</i> , 2005, 10, 2056. | 3.0 | 14 |
| 45 | Ouabain induces endocytosis of plasmalemmal Na/K-ATPase in LLC-PK1 cells by a clathrin-dependent mechanism. <i>Kidney International</i> , 2004, 66, 227-241. | 5.2 | 138 |
| 46 | Title is missing!. <i>Molecular and Cellular Biochemistry</i> , 2003, 242, 181-187. | 3.1 | 68 |
| 47 | Effect of green tea extract on cardiac hypertrophy following 5/6 nephrectomy in the rat. <i>Kidney International</i> , 2003, 63, 1785-1790. | 5.2 | 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. <i>Molecular and Cellular Biochemistry</i> , 2003, 242, 181-7. | 3.1 | 35 |
| 49 | Effects of cardiac glycosides on sodium pump expression and function in LLC-PK1 and MDCK cells. <i>Kidney International</i> , 2002, 62, 2118-2125. | 5.2 | 66 |
| 50 | Downregulation of cardiac myocyte Na ⁺ -K ⁺ -ATPase by adenovirus-mediated expression of an α -subunit fragment. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2001, 280, H1415-H1421. | 3.2 | 6 |
| 51 | EFFECTS OF HYPOKALEMIA ON CARDIAC GROWTH. <i>Renal Failure</i> , 2000, 22, 561-572. | 2.1 | 17 |
| 52 | Ouabain Interaction with Cardiac Na ⁺ /K ⁺ -ATPase Initiates Signal Cascades Independent of Changes in Intracellular Na ⁺ and Ca ²⁺ Concentrations. <i>Journal of Biological Chemistry</i> , 2000, 275, 27838-27844. | 3.4 | 323 |
| 53 | Intracellular Reactive Oxygen Species Mediate the Linkage of Na ⁺ /K ⁺ -ATPase to Hypertrophy and Its Marker Genes in Cardiac Myocytes. <i>Journal of Biological Chemistry</i> , 1999, 274, 19323-19328. | 3.4 | 281 |
| 54 | The Na/K-ATPase Signaling Regulates Natriuresis in Renal Proximal Tubule. , 0, , . | | 1 |