

Ruisheng Liu

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57
papers

662
citations

14
h-index

22
g-index

65
ext. papers

836
ext. citations

4.8
avg, IF

3.79
L-index

#	Paper	IF	Citations
57	Changes of cell volume and nitric oxide concentration in macula densa cells caused by changes in luminal NaCl concentration. <i>Journal of the American Society of Nephrology: JASN</i> , 2002 , 13, 2688-96	12.7	60
56	Macula Densa SGLT1-NOS1-Tubuloglomerular Feedback Pathway, a New Mechanism for Glomerular Hyperfiltration during Hyperglycemia. <i>Journal of the American Society of Nephrology: JASN</i> , 2019 , 30, 578-593	12.7	45
55	Macula Densa Nitric Oxide Synthase 1 Protects against Salt-Sensitive Hypertension. <i>Journal of the American Society of Nephrology: JASN</i> , 2016 , 27, 2346-56	12.7	43
54	Salt-sensitive splice variant of nNOS expressed in the macula densa cells. <i>American Journal of Physiology - Renal Physiology</i> , 2010 , 298, F1465-71	4.3	36
53	Angiotensin II stimulates calcium and nitric oxide release from Macula densa cells through AT1 receptors. <i>Hypertension</i> , 2004 , 43, 649-53	8.5	31
52	Simultaneous changes of cell volume and cytosolic calcium concentration in macula densa cells caused by alterations of luminal NaCl concentration. <i>Journal of Physiology</i> , 2005 , 563, 895-901	3.9	27
51	Inhibition of Nitric Oxide Synthase 1 Induces Salt-Sensitive Hypertension in Nitric Oxide Synthase 1 Knockout and Wild-Type Mice. <i>Hypertension</i> , 2016 , 67, 792-9	8.5	26
50	Role of 20-HETE in the impaired myogenic and TGF responses of the Af-Art of Dahl salt-sensitive rats. <i>American Journal of Physiology - Renal Physiology</i> , 2014 , 307, F509-15	4.3	25
49	Enhanced expression and activity of Nox2 and Nox4 in the macula densa in ANG II-induced hypertensive mice. <i>American Journal of Physiology - Renal Physiology</i> , 2014 , 306, F344-50	4.3	24
48	Knockout of Na-glucose cotransporter SGLT1 mitigates diabetes-induced upregulation of nitric oxide synthase NOS1 in the macula densa and glomerular hyperfiltration. <i>American Journal of Physiology - Renal Physiology</i> , 2019 , 317, F207-F217	4.3	22
47	Intracellular pH regulates superoxide production by the macula densa. <i>American Journal of Physiology - Renal Physiology</i> , 2008 , 295, F851-6	4.3	22
46	Gut microbiota dependent trimethylamine N-oxide aggravates angiotensin II-induced hypertension. <i>Redox Biology</i> , 2021 , 46, 102115	11.3	18
45	Role of Kidneys in Sex Differences in Angiotensin II-Induced Hypertension. <i>Hypertension</i> , 2017 , 70, 1219-8327	8.5	16
44	A new mouse model of hemorrhagic shock-induced acute kidney injury. <i>American Journal of Physiology - Renal Physiology</i> , 2017 , 312, F134-F142	4.3	14
43	Role of the Primary Cilia on the Macula Densa and Thick Ascending Limbs in Regulation of Sodium Excretion and Hemodynamics. <i>Hypertension</i> , 2017 , 70, 324-333	8.5	14
42	High-Protein Diet-Induced Glomerular Hyperfiltration Is Dependent on Neuronal Nitric Oxide Synthase in the Macula Densa via Tubuloglomerular Feedback Response. <i>Hypertension</i> , 2019 , 74, 864-871	8.5	14
41	Tempol Protects Against Acute Renal Injury by Regulating PI3K/Akt/mTOR and GSK3 Signaling Cascades and Afferent Arteriolar Activity. <i>Kidney and Blood Pressure Research</i> , 2018 , 43, 904-913	3.1	13

40	Shear stress blunts tubuloglomerular feedback partially mediated by primary cilia and nitric oxide at the macula densa. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2015 , 309, R757-66	3.2	13
39	Identification and function of adenosine A3 receptor in afferent arterioles. <i>American Journal of Physiology - Renal Physiology</i> , 2015 , 308, F1020-5	4.3	13
38	Testosterone enhances tubuloglomerular feedback by increasing superoxide production in the macula densa. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2013 , 304, R726-33	3.2	13
37	Effects of different storage solutions on renal ischemia tolerance after kidney transplantation in mice. <i>American Journal of Physiology - Renal Physiology</i> , 2018 , 314, F381-F387	4.3	13
36	Application of Hanging Drop Technique for Kidney Tissue Culture. <i>Kidney and Blood Pressure Research</i> , 2017 , 42, 220-231	3.1	12
35	Enhanced hemodynamic responses to angiotensin II in diabetes are associated with increased expression and activity of AT1 receptors in the afferent arteriole. <i>Physiological Genomics</i> , 2017 , 49, 531-340	3.6	12
34	Role of intratubular pressure during the ischemic phase in acute kidney injury. <i>American Journal of Physiology - Renal Physiology</i> , 2017 , 312, F1158-F1165	4.3	11
33	New mouse model of chronic kidney disease transitioned from ischemic acute kidney injury. <i>American Journal of Physiology - Renal Physiology</i> , 2019 , 317, F286-F295	4.3	11
32	NaHCO Dilates Mouse Afferent Arteriole Via Na/HCO Cotransporters NBCs. <i>Hypertension</i> , 2019 , 74, 1104-1112	4.1	10
31	A mouse model of renal ischemia-reperfusion injury solely induced by cold ischemia. <i>American Journal of Physiology - Renal Physiology</i> , 2019 , 317, F616-F622	4.3	10
30	New Mechanism for the Sex Differences in Salt-Sensitive Hypertension: The Role of Macula Densa NOS1EMediated Tubuloglomerular Feedback. <i>Hypertension</i> , 2020 , 75, 449-457	8.5	10
29	A new low-nephron CKD model with hypertension, progressive decline of renal function, and enhanced inflammation in C57BL/6 mice. <i>American Journal of Physiology - Renal Physiology</i> , 2018 , 314, F1008-F1019	4.3	10
28	Aging Impairs Renal Autoregulation in Mice. <i>Hypertension</i> , 2020 , 75, 405-412	8.5	9
27	Cross-sex transplantation alters gene expression and enhances inflammatory response in the transplanted kidneys. <i>American Journal of Physiology - Renal Physiology</i> , 2017 , 313, F326-F338	4.3	8
26	GTPase-Rac enhances depolarization-induced superoxide production by the macula densa during tubuloglomerular feedback. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2010 , 298, R453-8	3.2	8
25	A two-stage bilateral ischemia-reperfusion injury-induced AKI to CKD transition model in mice. <i>American Journal of Physiology - Renal Physiology</i> , 2020 , 319, F304-F311	4.3	7
24	Intraluminal pressure triggers myogenic response via activation of calcium spark and calcium-activated chloride channel in rat renal afferent arteriole. <i>American Journal of Physiology - Renal Physiology</i> , 2018 , 315, F1592-F1600	4.3	7
23	Enhanced Renal Afferent Arteriolar Reactive Oxygen Species and Contractility to Endothelin-1 Are Associated with Canonical Wnt Signaling in Diabetic Mice. <i>Kidney and Blood Pressure Research</i> , 2018 , 43, 860-871	3.1	6

22	Effects of nitric oxide on P2Y receptor resensitization in spontaneously hypertensive rat mesangial cells. <i>Journal of Hypertension</i> , 2002 , 20, 1835-42	1.9	6
21	Glucose dilates renal afferent arterioles via glucose transporter-1. <i>American Journal of Physiology - Renal Physiology</i> , 2018 , 315, F123-F129	4.3	4
20	Macula Densa NOS1 Modulates Renal Hemodynamics and Blood Pressure during Pregnancy: Role in Gestational Hypertension. <i>Journal of the American Society of Nephrology: JASN</i> , 2021 , 32, 2485-2500	12.7	4
19	Knockout of Macula Densa Neuronal Nitric Oxide Synthase Increases Blood Pressure in db/db Mice. <i>Hypertension</i> , 2021 , 78, 1760-1770	8.5	3
18	Graft function assessment in mouse models of single- and dual-kidney transplantation. <i>American Journal of Physiology - Renal Physiology</i> , 2018 , 315, F628-F636	4.3	2
17	Predicting All-Cause Mortality Risk in Atrial Fibrillation Patients: A Novel LASSO-Cox Model Generated From a Prospective Dataset. <i>Frontiers in Cardiovascular Medicine</i> , 2021 , 8, 730453	5.4	2
16	A new mechanism for the sex differences in angiotensin II-induced hypertension: the role of macula densa NOS1 mediated tubuloglomerular feedback. <i>American Journal of Physiology - Renal Physiology</i> , 2020 , 319, F908-F919	4.3	2
15	DHHC21 deficiency attenuates renal dysfunction during septic injury. <i>Scientific Reports</i> , 2021 , 11, 11146	4.9	2
14	Microvascular dysfunction and kidney disease: Challenges and opportunities?. <i>Microcirculation</i> , 2021 , 28, e12661	2.9	2
13	Does Warfarin or Rivaroxaban at Low Anticoagulation Intensity Provide a Survival Benefit to Asian Patients With Atrial Fibrillation?. <i>Frontiers in Cardiovascular Medicine</i> , 2021 , 8, 768730	5.4	0
12	Increased Uric Acid, Gamma-Glutamyl Transpeptidase and Alkaline Phosphatase in Early-Pregnancy Associated With the Development of Gestational Hypertension and Preeclampsia. <i>Frontiers in Cardiovascular Medicine</i> , 2021 , 8, 756140	5.4	0
11	Reducing ischemic kidney injury through application of a synchronization modulation electric field to maintain Na/K-ATPase functions.. <i>Science Translational Medicine</i> , 2022 , 14, eabj4906	17.5	0
10	A New Model of Hemorrhagic Shock-Induced Acute Kidney Injury. <i>FASEB Journal</i> , 2015 , 29, 807.4	0.9	
9	NOX2 is the primary source of superoxide in the macula densa in angiotensin II induced hypertension. <i>FASEB Journal</i> , 2009 , 23, LB147	0.9	
8	ESTROGEN RECEPTOR CONTRIBUTES TO SEX DIFFERENCES IN ACUTE KIDNEY INJURY. <i>FASEB Journal</i> , 2010 , 24, 1041.16	0.9	
7	Shear Stress Induced Nitric Oxide (NO) Production In Macula Densa Cells Is Mediated By The Primary Cilia. <i>FASEB Journal</i> , 2010 , 24, 1059.22	0.9	
6	Genetic basis of altered myogenic response and renal injury in FHH rats. <i>FASEB Journal</i> , 2011 , 25, 665.7	0.9	
5	An oxidant-sensitive TRPM2 channel expressed in the afferent arteriole regulates Ang II-induced vessel constriction. <i>FASEB Journal</i> , 2011 , 25, 1079.16	0.9	

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| 4 | Chronic Nicotine (NIC) Aggravates Sub Pressor Angiotensin II (SP-AngII)-Induced Renal and Cardiac Disease. <i>FASEB Journal</i> , 2012 , 26, 1105.12 | 0.9 |
| 3 | Chronic Nicotine (NIC) Aggravates Sub Pressor Angiotensin II (SP-AngII)-Induced Renal Hemodynamics And Resistance Vessel Remodeling. <i>FASEB Journal</i> , 2012 , 26, 682.16 | 0.9 |
| 2 | Activation of Na ⁺ /H ⁺ exchanger (NHE) in the macula densa (MD) enhances tubuloglomerular feedback (TGF) in spontaneously hypertensive rats (SHR). <i>FASEB Journal</i> , 2012 , 26, 875.12 | 0.9 |
| 1 | Macula Densa NOS1 Protects Against Acute Kidney Injury (AKI) Mediated by Primary Cilia. <i>FASEB Journal</i> , 2013 , 27, 910.8 | 0.9 |