Ruisheng Liu

List of Publications by Year in Descending Order

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	Reducing ischemic kidney injury through application of a synchronization modulation electric field to maintain Na/K-ATPase functions.. *Science Translational Medicine*, **2022**, 14, eabj4906	17.5	0
56	Does Warfarin or Rivaroxaban at Low Anticoagulation Intensity Provide a Survival Benefit to Asian Patients With Atrial Fibrillation?. *Frontiers in Cardiovascular Medicine*, **2021**, 8, 768730	5.4	0
55	Increased Uric Acid, Gamma-Glutamyl Transpeptidase and Alkaline Phosphatase in Early-Pregnancy Associated With the Development of Gestational Hypertension and Preeclampsia. *Frontiers in Cardiovascular Medicine*, **2021**, 8, 756140	5.4	0
54	Predicting All-Cause Mortality Risk in Atrial Fibrillation Patients: A Novel LASSO-Cox Model Generated From a Prospective Dataset. *Frontiers in Cardiovascular Medicine*, **2021**, 8, 730453	5.4	2
53	Knockout of Macula Densa Neuronal Nitric Oxide Synthase Increases Blood Pressure in db/db Mice. *Hypertension*, **2021**, 78, 1760-1770	8.5	3
52	DHHC21 deficiency attenuates renal dysfunction during septic injury. *Scientific Reports*, **2021**, 11, 11146	4.9	2
51	Macula Densa NOS1 Modulates Renal Hemodynamics and Blood Pressure during Pregnancy: Role in Gestational Hypertension. *Journal of the American Society of Nephrology: JASN*, **2021**, 32, 2485-2500	12.7	4
50	Microvascular dysfunction and kidney disease: Challenges and opportunities?. *Microcirculation*, **2021**, 28, e12661	2.9	2
49	Gut microbiota dependent trimethylamine N-oxide aggravates angiotensin II-induced hypertension. *Redox Biology*, **2021**, 46, 102115	11.3	18
48	A two-stage bilateral ischemia-reperfusion injury-induced AKI to CKD transition model in mice. *American Journal of Physiology - Renal Physiology*, **2020**, 319, F304-F311	4.3	7
47	Aging Impairs Renal Autoregulation in Mice. *Hypertension*, **2020**, 75, 405-412	8.5	9
46	New Mechanism for the Sex Differences in Salt-Sensitive Hypertension: The Role of Macula Densa NOS1–Mediated Tubuloglomerular Feedback. *Hypertension*, **2020**, 75, 449-457	8.5	10
45	A new mechanism for the sex differences in angiotensin II-induced hypertension: the role of macula densa NOS1–mediated tubuloglomerular feedback. *American Journal of Physiology - Renal Physiology*, **2020**, 319, F908-F919	4.3	2
44	NaHCO Dilates Mouse Afferent Arteriole Via Na/HCO Cotransporters NBCs. *Hypertension*, **2019**, 74, 1104-1112	8.5	10
43	New mouse model of chronic kidney disease transitioned from ischemic acute kidney injury. *American Journal of Physiology - Renal Physiology*, **2019**, 317, F286-F295	4.3	11
42	Knockout of Na-glucose cotransporter SGLT1 mitigates diabetes-induced upregulation of nitric oxide synthase NOS1 in the macula densa and glomerular hyperfiltration. *American Journal of Physiology - Renal Physiology*, **2019**, 317, F207-F217	4.3	22
41	Macula Densa SGLT1-NOS1-Tubuloglomerular Feedback Pathway, a New Mechanism for Glomerular Hyperfiltration during Hyperglycemia. *Journal of the American Society of Nephrology: JASN*, **2019**, 30, 578-593	12.7	45

40	High-Protein Diet-Induced Glomerular Hyperfiltration Is Dependent on Neuronal Nitric Oxide Synthase In the Macula Densa via Tubuloglomerular Feedback Response. *Hypertension*, **2019**, 74, 864-871	8.5	14
39	A mouse model of renal ischemia-reperfusion injury solely induced by cold ischemia. *American Journal of Physiology - Renal Physiology*, **2019**, 317, F616-F622	4.3	10
38	Graft function assessment in mouse models of single- and dual-kidney transplantation. *American Journal of Physiology - Renal Physiology*, **2018**, 315, F628-F636	4.3	2
37	Glucose dilates renal afferent arterioles via glucose transporter-1. *American Journal of Physiology - Renal Physiology*, **2018**, 315, F123-F129	4.3	4
36	Intraluminal pressure triggers myogenic response via activation of calcium spark and calcium-activated chloride channel in rat renal afferent arteriole. *American Journal of Physiology - Renal Physiology*, **2018**, 315, F1592-F1600	4.3	7
35	Enhanced Renal Afferent Arteriolar Reactive Oxygen Species and Contractility to Endothelin-1 Are Associated with Canonical Wnt Signaling in Diabetic Mice. *Kidney and Blood Pressure Research*, **2018**, 43, 860-871	3.1	6
34	Tempol Protects Against Acute Renal Injury by Regulating PI3K/Akt/mTOR and GSK3 Signaling Cascades and Afferent Arteriolar Activity. *Kidney and Blood Pressure Research*, **2018**, 43, 904-913	3.1	13
33	Effects of different storage solutions on renal ischemia tolerance after kidney transplantation in mice. *American Journal of Physiology - Renal Physiology*, **2018**, 314, F381-F387	4.3	13
32	A new low-nephron CKD model with hypertension, progressive decline of renal function, and enhanced inflammation in C57BL/6 mice. *American Journal of Physiology - Renal Physiology*, **2018**, 314, F1008-F1019	4.3	10
31	A new mouse model of hemorrhagic shock-induced acute kidney injury. *American Journal of Physiology - Renal Physiology*, **2017**, 312, F134-F142	4.3	14
30	Role of intratubular pressure during the ischemic phase in acute kidney injury. *American Journal of Physiology - Renal Physiology*, **2017**, 312, F1158-F1165	4.3	11
29	Role of the Primary Cilia on the Macula Densa and Thick Ascending Limbs in Regulation of Sodium Excretion and Hemodynamics. *Hypertension*, **2017**, 70, 324-333	8.5	14
28	Cross-sex transplantation alters gene expression and enhances inflammatory response in the transplanted kidneys. *American Journal of Physiology - Renal Physiology*, **2017**, 313, F326-F338	4.3	8
27	Role of Kidneys in Sex Differences in Angiotensin II-Induced Hypertension. *Hypertension*, **2017**, 70, 1219-1227	8.5	16
26	Application of Hanging Drop Technique for Kidney Tissue Culture. *Kidney and Blood Pressure Research*, **2017**, 42, 220-231	3.1	12
25	Enhanced hemodynamic responses to angiotensin II in diabetes are associated with increased expression and activity of AT1 receptors in the afferent arteriole. *Physiological Genomics*, **2017**, 49, 531-540	3.6	12
24	Inhibition of Nitric Oxide Synthase 1 Induces Salt-Sensitive Hypertension in Nitric Oxide Synthase 1 Knockout and Wild-Type Mice. *Hypertension*, **2016**, 67, 792-9	8.5	26
23	Macula Densa Nitric Oxide Synthase 1 Protects against Salt-Sensitive Hypertension. *Journal of the American Society of Nephrology: JASN*, **2016**, 27, 2346-56	12.7	43

22	Shear stress blunts tubuloglomerular feedback partially mediated by primary cilia and nitric oxide at the macula densa. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2015**, 309, R757-66	3.2	13
21	Identification and function of adenosine A3 receptor in afferent arterioles. *American Journal of Physiology - Renal Physiology*, **2015**, 308, F1020-5	4.3	13
20	A New Model of Hemorrhagic Shock-Induced Acute Kidney Injury. *FASEB Journal*, **2015**, 29, 807.4	0.9	
19	Enhanced expression and activity of Nox2 and Nox4 in the macula densa in ANG II-induced hypertensive mice. *American Journal of Physiology - Renal Physiology*, **2014**, 306, F344-50	4.3	24
18	Role of 20-HETE in the impaired myogenic and TGF responses of the Af-Art of Dahl salt-sensitive rats. *American Journal of Physiology - Renal Physiology*, **2014**, 307, F509-15	4.3	25
17	Testosterone enhances tubuloglomerular feedback by increasing superoxide production in the macula densa. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2013**, 304, R726-33	3.2	13
16	Macula Densa NOS1 Protects Against Acute Kidney Injury (AKI) Mediated by Primary Cilia. *FASEB Journal*, **2013**, 27, 910.8	0.9	
15	Chronic Nicotine (NIC) Aggravates Sub Pressor Angiotensin II (SP-AngII)-Induced Renal and Cardiac Disease. *FASEB Journal*, **2012**, 26, 1105.12	0.9	
14	Chronic Nicotine (NIC) Aggravates Sub Pressor Angiotensin II (SP-AngII)-Induced Renal Hemodynamics And Resistance Vessel Remodeling. *FASEB Journal*, **2012**, 26, 682.16	0.9	
13	Activation of Na+/H+ exchanger (NHE) in the macula densa (MD) enhances tubuloglomerular feedback (TGF) in spontaneously hypertensive rats (SHR). *FASEB Journal*, **2012**, 26, 875.12	0.9	
12	Genetic basis of altered myogenic response and renal injury in FHH rats. *FASEB Journal*, **2011**, 25, 665.7	0.9	
11	An oxidant-sensitive TRPM2 channel expressed in the afferent arteriole regulates Ang II-induced vessel constriction. *FASEB Journal*, **2011**, 25, 1079.16	0.9	
10	Salt-sensitive splice variant of nNOS expressed in the macula densa cells. *American Journal of Physiology - Renal Physiology*, **2010**, 298, F1465-71	4.3	36
9	GTPase-Rac enhances depolarization-induced superoxide production by the macula densa during tubuloglomerular feedback. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2010**, 298, R453-8	3.2	8
8	ESTROGEN RECEPTOR CONTRIBUTES TO SEX DIFFERENCES IN ACUTE KIDNEY INJURY. *FASEB Journal*, **2010**, 24, 1041.16	0.9	
7	Shear Stress Induced Nitric Oxide (NO) Production In Macula Densa Cells Is Mediated By The Primary Cilia. *FASEB Journal*, **2010**, 24, 1059.22	0.9	
6	NOX2 is the primary source of superoxide in the macula densa in angiotension II induced hypertension. *FASEB Journal*, **2009**, 23, LB147	0.9	
5	Intracellular pH regulates superoxide production by the macula densa. *American Journal of Physiology - Renal Physiology*, **2008**, 295, F851-6	4.3	22

4	Simultaneous changes of cell volume and cytosolic calcium concentration in macula densa cells caused by alterations of luminal NaCl concentration. *Journal of Physiology*, **2005**, 563, 895-901	3.9	27
3	Angiotensin II stimulates calcium and nitric oxide release from Macula densa cells through AT1 receptors. *Hypertension*, **2004**, 43, 649-53	8.5	31
2	Changes of cell volume and nitric oxide concentration in macula densa cells caused by changes in luminal NaCl concentration. *Journal of the American Society of Nephrology: JASN*, **2002**, 13, 2688-96	12.7	60
1	Effects of nitric oxide on P2Y receptor resensitization in spontaneously hypertensive rat mesangial cells. *Journal of Hypertension*, **2002**, 20, 1835-42	1.9	6