Ruisheng Liu

List of Publications by Year
in descending order

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Version: 2024-02-01

		471509	501196
64	1,000	17	28
papers	citations	h-index	g-index

65	65	65	949
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Gut microbiota dependent trimethylamine N-oxide aggravates angiotensin IIâ€“induced hypertension. Redox Biology, 2021, 46, 102115.	9.0	86
2	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.	6.1	70
3	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, 2688-2696.	6.1	63
4	Macula Densa Nitric Oxide Synthase 1Î² Protects against Salt-Sensitive Hypertension. Journal of the American Society of Nephrology: JASN, 2016, 27, 2346-2356.	6.1	55
5	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.	2.7	44
6	Salt-sensitive splice variant of nNOS expressed in the macula densa cells. American Journal of Physiology - Renal Physiology, 2010, 298, F1465-F1471.	2.7	43
7	Angiotensin II Stimulates Calcium and Nitric Oxide Release From Macula Densa Cells Through AT ₁ Receptors. Hypertension, 2004, 43, 649-653.	2.7	33
8	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-F515.	2.7	33
9	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.	2.9	30
10	Inhibition of Nitric Oxide Synthase 1 Induces Salt-Sensitive Hypertension in Nitric Oxide Synthase 1Î± Knockout and Wild-Type Mice. Hypertension, 2016, 67, 792-799.	2.7	28
11	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-F350.	2.7	27
12	Tempol Protects Against Acute Renal Injury by Regulating PI3K/Akt/mTOR and GSK3Î² Signaling Cascades and Afferent Arteriolar Activity. Kidney and Blood Pressure Research, 2018, 43, 904-913.	2.0	26
13	Intracellular pH regulates superoxide production by the macula densa. American Journal of Physiology - Renal Physiology, 2008, 295, F851-F856.	2.7	24
14	High-Protein Dietâ€“Induced Glomerular Hyperfiltration Is Dependent on Neuronal Nitric Oxide Synthase Î² in the Macula Densa via Tubuloglomerular Feedback Response. Hypertension, 2019, 74, 864-871.	2.7	24
15	Role of Kidneys in Sex Differences in Angiotensin IIâ€“Induced Hypertension. Hypertension, 2017, 70, 1219-1227.	2.7	22
16	New Mechanism for the Sex Differences in Salt-Sensitive Hypertension. Hypertension, 2020, 75, 449-457.	2.7	21
17	Microvascular dysfunction and kidney disease: Challenges and opportunities?. Microcirculation, 2021, 28, e12661.	1.8	20
18	Role of intratubular pressure during the ischemic phase in acute kidney injury. American Journal of Physiology - Renal Physiology, 2017, 312, F1158-F1165.	2.7	19

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19	A mouse model of renal ischemia-reperfusion injury solely induced by cold ischemia. American Journal of Physiology - Renal Physiology, 2019, 317, F616-F622.	2.7	19
20	New mouse model of chronic kidney disease transitioned from ischemic acute kidney injury. American Journal of Physiology - Renal Physiology, 2019, 317, F286-F295.	2.7	18
21	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-R766.	1.8	17
22	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.	2.7	17
23	Identification and function of adenosine A₃ receptor in afferent arterioles. American Journal of Physiology - Renal Physiology, 2015, 308, F1020-F1025.	2.7	16
24	Effects of different storage solutions on renal ischemia tolerance after kidney transplantation in mice. American Journal of Physiology - Renal Physiology, 2018, 314, F381-F387.	2.7	16
25	Testosterone enhances tubuloglomerular feedback by increasing superoxide production in the macula densa. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2013, 304, R726-R733.	1.8	15
26	Application of Hanging Drop Technique for Kidney Tissue Culture. Kidney and Blood Pressure Research, 2017, 42, 220-231.	2.0	15
27	A new mouse model of hemorrhagic shock-induced acute kidney injury. American Journal of Physiology - Renal Physiology, 2017, 312, F134-F142.	2.7	14
28	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.	2.3	14
29	Aging Impairs Renal Autoregulation in Mice. Hypertension, 2020, 75, 405-412.	2.7	14
30	Reducing ischemic kidney injury through application of a synchronization modulation electric field to maintain Na ⁺ /K ⁺ -ATPase functions. Science Translational Medicine, 2022, 14, eabj4906.	12.4	13
31	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.	2.7	12
32	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.	2.7	12
33	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.	2.7	12
34	NaHCO ₃ Dilates Mouse Afferent Arteriole Via Na ⁺ /HCO ₃ ^{â^'} Cotransporters NBCs. Hypertension, 2019, 74, 1104-1112.	2.7	11
35	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.	2.4	10
36	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-R458.	1.8	9

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37	Cross-sex transplantation alters gene expression and enhances inflammatory response in the transplanted kidneys. American Journal of Physiology - Renal Physiology, 2017, 313, F326-F338.	2.7	9
38	Glucose dilates renal afferent arterioles via glucose transporter-1. American Journal of Physiology - Renal Physiology, 2018, 315, F123-F129.	2.7	8
39	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.	2.0	8
40	Macula Densa NOS1Î² Modulates Renal Hemodynamics and Blood Pressure during Pregnancy: Role in Gestational Hypertension. Journal of the American Society of Nephrology: JASN, 2021, 32, 2485-2500.	6.1	8
41	Role of the macula densa sodium glucose cotransporter type 1-neuronal nitric oxide synthase-tubuloglomerular feedback pathway in diabetic hyperfiltration. Kidney International, 2022, 101, 541-550.	5.2	8
42	Effects of nitric oxide on P2Y receptor resensitization in spontaneously hypertensive rat mesangial cells. Journal of Hypertension, 2002, 20, 1835-1842.	0.5	6
43	A new mechanism for the sex differences in angiotensin II-induced hypertension: the role of macula densa NOS1Î²-mediated tubuloglomerular feedback. American Journal of Physiology - Renal Physiology, 2020, 319, F908-F919.	2.7	6
44	DHHC21 deficiency attenuates renal dysfunction during septic injury. Scientific Reports, 2021, 11, 11146.	3.3	6
45	Knockout of Macula Densa Neuronal Nitric Oxide Synthase Increases Blood Pressure in db/db Mice. Hypertension, 2021, 78, 1760-1770.	2.7	6
46	Graft function assessment in mouse models of single- and dual-kidney transplantation. American Journal of Physiology - Renal Physiology, 2018, 315, F628-F636.	2.7	4
47	The real culprit behind diabetic nephropathy: impaired renal autoregulation?. Physiological Reports, 2017, 5, e13138.	1.7	3
48	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.	2.4	2
49	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.	2.4	2
50	Î²ENaC and ASIC2 associate in VSMCs to mediate pressure-induced constriction in the renal afferent arteriole. American Journal of Physiology - Renal Physiology, 2022, 322, F498-F511.	2.7	1
51	Tubuloglomerular feedback - a key player in obesity-associated kidney injury. American Journal of Physiology - Renal Physiology, 2022, , .	2.7	1
52	NOX2 is the primary source of superoxide in the macula densa in angiotension II induced hypertension. FASEB Journal, 2009, 23, LB147.	0.5	0
53	ESTROGEN RECEPTOR CONTRIBUTES TO SEX DIFFERENCES IN ACUTE KIDNEY INJURY. FASEB Journal, 2010, 24, 1041.16.	0.5	0
54	Shear Stress Induced Nitric Oxide (NO) Production In Macula Densa Cells Is Mediated By The Primary Cilia. FASEB Journal, 2010, 24, 1059.22.	0.5	0

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55	Genetic basis of altered myogenic response and renal injury in FHH rats. FASEB Journal, 2011, 25, 665.7.	0.5	0
56	An oxidantâ€sensitive TRPM2 channel expressed in the afferent arteriole regulates Ang IIâ€induced vessel constriction. FASEB Journal, 2011, 25, 1079.16.	0.5	0
57	Chronic Nicotine (NIC) Aggravates Sub Pressor Angiotensin II (SPâ€AngII)â€induced Renal and Cardiac Disease. FASEB Journal, 2012, 26, 1105.12.	0.5	0
58	Chronic Nicotine (NIC) Aggravates Sub Pressor Angiotensin II (SPâ€AngII)â€induced Renal Hemodynamics And Resistance Vessel Remodeling. FASEB Journal, 2012, 26, 682.16.	0.5	0
59	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.	0.5	0
60	Macula Densa NOS1 Protects Against Acute Kidney Injury (AKI) Mediated by Primary Cilia. FASEB Journal, 2013, 27, 910.8.	0.5	0
61	A New Model of Hemorrhagic Shockâ€induced Acute Kidney Injury. FASEB Journal, 2015, 29, 807.4.	0.5	0
62	Calcium Spark Activity is Modulated by Perfusion Pressure in Vascular Smooth Muscle of Afferent Arterioles. FASEB Journal, 2018, 32, .	0.5	0
63	Macula Densa Intracellular Alkalinization Activates NOS1Î² but Suppresses NOS1Î± during Tubuloglomerular Feedback. FASEB Journal, 2022, 36, .	0.5	0
64	New Insights into Juxtaglomerular Cells via Singleâ€Cell RNAâ€Sequencing. FASEB Journal, 2022, 36, .	0.5	0