En Yin Lai

List of Publications by Year
in descending order

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77	1,519	279487	377514
papers	citations	23 h-index	34 g-index

78	78	78	1747
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.	3.9	86
2	Protective Effect of Tempol on Acute Kidney Injury Through PI3K/Akt/Nrf2 Signaling Pathway. Kidney and Blood Pressure Research, 2016, 41, 129-138.	0.9	69
3	Superoxide Dismutase 1 Limits Renal Microvascular Remodeling and Attenuates Arteriole and Blood Pressure Responses to Angiotensin II via Modulation of Nitric Oxide Bioavailability. Hypertension, 2010, 56, 907-913.	1.3	66
4	Role of NOX2 in the regulation of afferent arteriole responsiveness. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2009, 296, R72-R79.	0.9	58
5	Prevalence and associated metabolic factors of fatty liver disease in the elderly. Experimental Gerontology, 2013, 48, 705-709.	1.2	58
6	Adenosine Restores Angiotensin IIâ€“Induced Contractions by Receptor-Independent Enhancement of Calcium Sensitivity in Renal Arterioles. Circulation Research, 2006, 99, 1117-1124.	2.0	52
7	Superoxide Modulates Myogenic Contractions of Mouse Afferent Arterioles. Hypertension, 2011, 58, 650-656.	1.3	49
8	p47 ^{phox} Is Required for Afferent Arteriolar Contractile Responses to Angiotensin II and Perfusion Pressure in Mice. Hypertension, 2012, 59, 415-420.	1.3	45
9	Sex-specific prevalence of fatty liver disease and associated metabolic factors in Wuhan, south central China. European Journal of Gastroenterology and Hepatology, 2014, 26, 1015-1021.	0.8	40
10	In Vivo Twoâ€photon Fluorescence Microscopy Reveals Disturbed Cerebral Capillary Blood Flow and Increased Susceptibility to Ischemic Insults in Diabetic Mice. CNS Neuroscience and Therapeutics, 2014, 20, 816-822.	1.9	38
11	Endothelin type A and B receptors in the control of afferent and efferent arterioles in mice. Nephrology Dialysis Transplantation, 2011, 26, 779-789.	0.4	36
12	Effects of the antioxidant drug tempol on renal oxygenation in mice with reduced renal mass. American Journal of Physiology - Renal Physiology, 2012, 303, F64-F74.	1.3	36
13	Fenofibrate improves vascular endothelial function and contractility in diabetic mice. Redox Biology, 2019, 20, 87-97.	3.9	36
14	Myogenic Responses of Mouse Isolated Perfused Renal Afferent Arterioles. Hypertension, 2010, 55, 983-989.	1.3	31
15	High Salt Enhances Reactive Oxygen Species and Angiotensin II Contractions of Glomerular Afferent Arterioles From Mice With Reduced Renal Mass. Hypertension, 2018, 72, 1208-1216.	1.3	31
16	Endothelin-1 and pancreatic islet vasculature: studies in vivo and on isolated, vascularly perfused pancreatic islets. American Journal of Physiology - Endocrinology and Metabolism, 2007, 292, E1616-E1623.	1.8	30
17	Increased hydrogen peroxide impairs angiotensin <scp>II</scp> contractions of afferent arterioles in mice after renal ischaemiaâ€“reperfusion injury. Acta Physiologica, 2016, 218, 136-145.	1.8	29
18	Differential effects of superoxide and hydrogen peroxide on myogenic signaling, membrane potential, and contractions of mouse renal afferent arterioles. American Journal of Physiology - Renal Physiology, 2016, 310, F1197-F1205.	1.3	28

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19	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.	1.3	28
20	Reactive oxygen species in renal vascular function. Acta Physiologica, 2020, 229, e13477.	1.8	28
21	ANGIOTENSIN II-NITRIC OXIDE INTERACTION IN GLOMERULAR ARTERIOLES. Clinical and Experimental Pharmacology and Physiology, 2005, 32, 410-414.	0.9	27
22	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.	0.9	26
23	ADAMTS13 protects mice against renal ischemia-reperfusion injury by reducing inflammation and improving endothelial function. American Journal of Physiology - Renal Physiology, 2019, 316, F134-F145.	1.3	25
24	Uridine adenosine tetraphosphate acts as an autocrine hormone affecting glomerular filtration rate. Journal of Molecular Medicine, 2008, 86, 333-340.	1.7	24
25	Interactions between adenosine, angiotensin II and nitric oxide on the afferent arteriole influence sensitivity of the tubuloglomerular feedback. Frontiers in Physiology, 2013, 4, 187.	1.3	23
26	Osthole Ameliorates Renal Fibrosis in Mice by Suppressing Fibroblast Activation and Epithelial-Mesenchymal Transition. Frontiers in Physiology, 2018, 9, 1650.	1.3	22
27	Endothelial Scaffolding Protein ENH (Enigma Homolog Protein) Promotes PHLPP2 (Pleckstrin) Tj ETQq1 1 0.784314 rgBT /Overlock 1 and eNOS (Endothelial NO Synthase) Promoting Vascular Remodeling. Arteriosclerosis, Thrombosis, and Vascular Biology, 2020, 40, 1705-1721.	1.1	22
28	Functional networks of aging markers in the glomeruli of IgA nephropathy: a new therapeutic opportunity. Oncotarget, 2016, 7, 33616-33626.	0.8	22
29	Renal afferent arteriolar and tubuloglomerular feedback reactivity in mice with conditional deletions of adenosine 1 receptors. American Journal of Physiology - Renal Physiology, 2012, 303, F1166-F1175.	1.3	21
30	Superoxide and hydrogen peroxide counterregulate myogenic contractions in renal afferent arterioles from a mouse model of chronic kidney disease. Kidney International, 2017, 92, 625-633.	2.6	20
31	Nucleoside/nucleotide reverse transcriptase inhibitors attenuate angiogenesis and lymphangiogenesis by impairing receptor tyrosine kinases signalling in endothelial cells. British Journal of Pharmacology, 2018, 175, 1241-1259.	2.7	20
32	Targeting Dynamin 2 as a Novel Pathway to Inhibit Cardiomyocyte Apoptosis Following Oxidative Stress. Cellular Physiology and Biochemistry, 2016, 39, 2121-2134.	1.1	19
33	Role of intratubular pressure during the ischemic phase in acute kidney injury. American Journal of Physiology - Renal Physiology, 2017, 312, F1158-F1165.	1.3	19
34	Blood Pressure Control by a Secreted FGFBP1 (Fibroblast Growth Factorâ€“Binding Protein). Hypertension, 2018, 71, 160-167.	1.3	19
35	Remodeling of Afferent Arterioles From Mice With Oxidative Stress Does Not Account for Increased Contractility but Does Limit Excessive Wall Stress. Hypertension, 2015, 66, 550-556.	1.3	18
36	Norepinephrine increases calcium sensitivity of mouse afferent arteriole, thereby enhancing angiotensin IIâ€“mediated vasoconstriction. Kidney International, 2009, 76, 953-959.	2.6	16

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37	Enhanced tubuloglomerular feedback in mice with vascular overexpression of A₁adenosine receptors. American Journal of Physiology - Renal Physiology, 2009, 297, F1256-F1264.	1.3	16
38	Adenosine enhances long term the contractile response to angiotensin II in afferent arterioles. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2007, 293, R2232-R2242.	0.9	15
39	SARSâ€CoVâ€2 effects on the reninâ€angiotensinâ€aldosterone system, therapeutic implications. Acta Physiologica, 2021, 231, e13608.	1.8	15
40	Podocyte apoptosis in diabetic nephropathy by BASP1 activation of the p53 pathway via WT1. Acta Physiologica, 2021, 232, e13634.	1.8	15
41	Trimethylamine N-oxide promotes hyperoxaluria-induced calcium oxalate deposition and kidney injury by activating autophagy. Free Radical Biology and Medicine, 2022, 179, 288-300.	1.3	15
42	Pressure induces intracellular calcium changes in juxtaglomerular cells in perfused afferent arterioles. Hypertension Research, 2011, 34, 942-948.	1.5	13
43	Renovascular effects of inorganic nitrate following ischemia-reperfusion of the kidney. Redox Biology, 2021, 39, 101836.	3.9	13
44	Adenosine triphosphate increases the reactivity of the afferent arteriole to low concentrations of norepinephrine. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2007, 293, R2225-R2231.	0.9	12
45	Nitric Oxide Deficiency and Increased Adenosine Response of Afferent Arterioles in Hydronephrotic Mice With Hypertension. Hypertension, 2008, 51, 1386-1392.	1.3	11
46	Highâ€salt diet induces outward remodelling of efferent arterioles in mice with reduced renal mass. Acta Physiologica, 2017, 219, 654-661.	1.8	11
47	NaHCO ₃ Dilates Mouse Afferent Arteriole Via Na ⁺ /HCO ₃ ^{â^'} Cotransporters NBCs. Hypertension, 2019, 74, 1104-1112.	1.3	11
48	Acute Kidney Injury Sensitizes the Brain Vasculature to Ang II (Angiotensin II) Constriction via FGFBP1 (Fibroblast Growth Factor Binding Protein 1). Hypertension, 2020, 76, 1924-1934.	1.3	11
49	High phosphate impairs arterial endothelial function through AMPKâ€related pathways in mouse resistance arteries. Acta Physiologica, 2021, 231, e13595.	1.8	11
50	circHIPK3 Exacerbates Folic Acid-Induced Renal Tubulointerstitial Fibrosis by Sponging miR-30a. Frontiers in Physiology, 2021, 12, 715567.	1.3	11
51	Angiotensin II sensitivity of afferent glomerular arterioles in endothelin-1 transgenic mice. Nephrology Dialysis Transplantation, 2005, 20, 2681-2689.	0.4	9
52	Ethanol Extract of Root of Prunus persica Inhibited the Growth of Liver Cancer Cell HepG2 by Inducing Cell Cycle Arrest and Migration Suppression. Evidence-based Complementary and Alternative Medicine, 2017, 2017, 1-7.	0.5	9
53	ADAMTS13 inhibits oxidative stress and ameliorates progressive chronic kidney disease following ischaemia/reperfusion injury. Acta Physiologica, 2021, 231, e13586.	1.8	9
54	Blood lipids affect rat islet blood flow regulation through Î²₃-adrenoceptors. American Journal of Physiology - Endocrinology and Metabolism, 2014, 307, E653-E663.	1.8	8

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55	Glucose dilates renal afferent arterioles via glucose transporter-1. American Journal of Physiology - Renal Physiology, 2018, 315, F123-F129.	1.3	8
56	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.	0.9	8
57	Parametric contrast-enhanced ultrasound as an early predictor of radiation-based therapeutic response for lymph node metastases of nasopharyngeal carcinoma. Molecular and Clinical Oncology, 2014, 2, 666-672.	0.4	7
58	Preoperative Serum Fibrinogen is Associated With Acute Kidney Injury after Cardiac Valve Replacement Surgery. Scientific Reports, 2020, 10, 6403.	1.6	7
59	Heteroplasmic and homoplasmic m.616T>C in mitochondria tRNAPhe promote isolated chronic kidney disease and hyperuricemia. JCI Insight, 2022, 7, .	2.3	7
60	A critical role of the podocyte cytoskeleton in the pathogenesis of glomerular proteinuria and autoimmune podocytopathies. Acta Physiologica, 2022, 235, .	1.8	7
61	C-peptide constricts pancreatic islet arterioles in diabetic, but not normoglycaemic mice. Diabetes/Metabolism Research and Reviews, 2008, 24, 165-168.	1.7	6
62	Sympathoexcitation in Rats With Chronic Heart Failure Depends on Homeobox D10 and MicroRNA-7b Inhibiting GABBR1 Translation in Paraventricular Nucleus. Circulation: Heart Failure, 2016, 9, e002261.	1.6	6
63	Role of soluble guanylyl cyclase in renal afferent and efferent arterioles. American Journal of Physiology - Renal Physiology, 2021, 320, F193-F202.	1.3	6
64	rhADAMTS13 reduces oxidative stress by cleaving VWF in ischaemia/reperfusionâ€induced acute kidney injury. Acta Physiologica, 2022, 234, e13778.	1.8	6
65	Longâ€term predialysis blood pressure variability and outcomes in hemodialysis patients. Journal of Clinical Hypertension, 2022, , .	1.0	5
66	Nitric Oxide Signalling in Descending Vasa Recta after Hypoxia/Re-Oxygenation. International Journal of Molecular Sciences, 2022, 23, 7016.	1.8	4
67	câ€Jun Nâ€terminal Kinase mediates prostaglandinâ€induced sympathoexcitation in rats with chronic heart failure by reducing <scp>GAD</scp>1 and <scp>GABRA</scp>1 expression. Acta Physiologica, 2017, 219, 494-509.	1.8	3
68	Autoimmune Podocytopathies: A Novel Sub-Group of Diseases from Childhood Idiopathic Nephrotic Syndrome. Journal of the American Society of Nephrology: JASN, 2022, , ASN.2021111469.	3.0	3
69	Mosaic PKHD1 in Polycystic Kidneys Caused Aberrant Protein Expression in the Mitochondria and Lysosomes. Frontiers in Medicine, 2021, 8, 743150.	1.2	3
70	Myogenic Responses of Mouse Isolated Perfused Renal Afferent Arterioles: Effect of Salt Intake and Reduced Renal Mass. FASEB Journal, 2009, 23, 804.3.	0.2	1
71	Endothelinâ€1 and pancreatic islet vasculature: studies in vivo and on isolated, vascularly perfused pancreatic islets. FASEB Journal, 2007, 21, A483.	0.2	0
72	Angiotensin IIâ€adenosine interaction via receptors and intracellular calcium in afferent arterioles. FASEB Journal, 2008, 22, 737.2.	0.2	0

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73	Norepinephrine Treatment Enhances the Constriction of the Afferent Arterioles to Angiotensin II by Increasing the Calcium Sensitivity. FASEB Journal, 2009, 23, 804.2.	0.2	0
74	Superoxide modulates myogenic contractions of mouse afferent arterioles. FASEB Journal, 2011, 25, .	0.2	0
75	Abstract 376: Prolonged Excess of Superoxide in Mouse Afferent Arterioles Causes Remodeling and Enhances Myogenic and Angiotensin II Contractions. Hypertension, 2013, 62, .	1.3	0
76	Abstract 070: Canonical Wnt Signaling Mediates Enhanced Renal Afferent Arteriolar Reactive Oxygen Species and Contractility in Diabetic Mice. Hypertension, 2017, 70, .	1.3	0
77	Abstract 29: Hydrogen Peroxide Impairs Myogenic Response of Afferent Arterioles from Mice with the Reduce Renal Mass Model of Chronic Kidney Disease. Hypertension, 2013, 62, .	1.3	0