

Aihua Zhang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

55 papers	1,230 citations	21 h-index	33 g-index
57 ext. papers	1,591 ext. citations	6.1 avg, IF	4.27 L-index

#	Paper	IF	Citations
55	Clinical Potential of Hypoxia Inducible Factors Prolyl Hydroxylase Inhibitors in Treating Nonanemic Diseases.. <i>Frontiers in Pharmacology</i> , 2022 , 13, 837249	5.6	1
54	Reduced Lon protease 1 expression in podocytes contributes to the pathogenesis of podocytopathy. <i>Kidney International</i> , 2021 , 99, 854-869	9.9	3
53	Gasdermin E deficiency attenuates acute kidney injury by inhibiting pyroptosis and inflammation. <i>Cell Death and Disease</i> , 2021 , 12, 139	9.8	18
52	Roxadustat prevents Ang II hypertension by targeting angiotensin receptors and eNOS. <i>JCI Insight</i> , 2021 , 6,	9.9	3
51	The piRNA pathway is essential for generating functional oocytes in golden hamsters. <i>Nature Cell Biology</i> , 2021 , 23, 1013-1022	23.4	9
50	Blocking AURKA with MK-5108 attenuates renal fibrosis in chronic kidney disease. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2021 , 1867, 166227	6.9	1
49	The Epidemiology and Management of Pediatric AKI in Asia. <i>Seminars in Nephrology</i> , 2020 , 40, 516-532	4.8	2
48	Nuclear receptor PXR targets AKR1B7 to protect mitochondrial metabolism and renal function in AKI. <i>Science Translational Medicine</i> , 2020 , 12,	17.5	19
47	Ursodeoxycholic acid protects against cisplatin-induced acute kidney injury and mitochondrial dysfunction through acting on ALDH1L2. <i>Free Radical Biology and Medicine</i> , 2020 , 152, 821-837	7.8	14
46	Functional Characterization of PHEX Gene Variants in Children With X-Linked Hypophosphatemic Rickets Shows No Evidence of Genotype-Phenotype Correlation. <i>Journal of Bone and Mineral Research</i> , 2020 , 35, 1718-1725	6.3	10
45	Multicenter study of the clinical features and mutation gene spectrum of Chinese children with Dent disease. <i>Clinical Genetics</i> , 2020 , 97, 407-417	4	10
44	MicroRNA-214 targets COX-2 to antagonize indoxyl sulfate (IS)-induced endothelial cell apoptosis. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2020 , 25, 92-104	5.4	10
43	Phenotype and genotype spectra of a Chinese cohort with nephronophthisis-related ciliopathy. <i>Journal of Medical Genetics</i> , 2020 ,	5.8	7
42	Cilomilast Ameliorates Renal Tubulointerstitial Fibrosis by Inhibiting the TGF- β -Smad2/3 Signaling Pathway. <i>Frontiers in Medicine</i> , 2020 , 7, 626140	4.9	3
41	Inhibition of the mitochondrial complex-1 protects against carbon tetrachloride-induced acute liver injury. <i>Biomedicine and Pharmacotherapy</i> , 2019 , 115, 108948	7.5	4
40	Adenosine kinase inhibition protects against cisplatin-induced nephrotoxicity. <i>American Journal of Physiology - Renal Physiology</i> , 2019 , 317, F107-F115	4.3	9
39	MicroRNA-214 promotes chronic kidney disease by disrupting mitochondrial oxidative phosphorylation. <i>Kidney International</i> , 2019 , 95, 1389-1404	9.9	37

38	Inhibition of mitochondrial complex I activity attenuates neointimal hyperplasia by inhibiting smooth muscle cell proliferation and migration. <i>Chemico-Biological Interactions</i> , 2019 , 304, 73-82	5	7
37	Whole-genome sequencing revealed an interstitial deletion encompassing OCRL and SMARCA1 gene in a patient with Lowe syndrome. <i>Molecular Genetics & Genomic Medicine</i> , 2019 , 7, e876	2.3	5
36	Genetic spectrum of renal disease for 1001 Chinese children based on a multicenter registration system. <i>Clinical Genetics</i> , 2019 , 96, 402-410	4	23
35	Disruption of mitochondrial homeostasis in chronic kidney disease: a mini-review. <i>Histology and Histopathology</i> , 2019 , 34, 835-842	1.4	2
34	Protein S Protects against Podocyte Injury in Diabetic Nephropathy. <i>Journal of the American Society of Nephrology: JASN</i> , 2018 , 29, 1397-1410	12.7	20
33	p53/Drp1-dependent mitochondrial fission mediates aldosterone-induced podocyte injury and mitochondrial dysfunction. <i>American Journal of Physiology - Renal Physiology</i> , 2018 , 314, F798-F808	4.3	28
32	MicroRNA-709 Mediates Acute Tubular Injury through Effects on Mitochondrial Function. <i>Journal of the American Society of Nephrology: JASN</i> , 2018 , 29, 449-461	12.7	49
31	Dihydroartemisinin inhibits indoxyl sulfate (IS)-promoted cell cycle progression in mesangial cells by targeting COX-2/mPGES-1/PGE cascade. <i>American Journal of Translational Research (discontinued)</i> , 2018 , 10, 422-431	3	2
30	Prostaglandins in the pathogenesis of kidney diseases. <i>Oncotarget</i> , 2018 , 9, 26586-26602	3.3	26
29	Celastrol ameliorates cisplatin nephrotoxicity by inhibiting NF- κ B and improving mitochondrial function. <i>EBioMedicine</i> , 2018 , 36, 266-280	8.8	57
28	Parkin Modulates ERK1/2-NOS Signaling Pathway in Endothelial Cells. <i>Cellular Physiology and Biochemistry</i> , 2018 , 49, 2022-2034	3.9	7
27	Pink1/Parkin-mediated mitophagy play a protective role in cisplatin induced renal tubular epithelial cells injury. <i>Experimental Cell Research</i> , 2017 , 350, 390-397	4.2	54
26	Drp1-dependent mitophagy protects against cisplatin-induced apoptosis of renal tubular epithelial cells by improving mitochondrial function. <i>Oncotarget</i> , 2017 , 8, 20988-21000	3.3	57
25	Hyperoside alleviates adriamycin-induced podocyte injury via inhibiting mitochondrial fission. <i>Oncotarget</i> , 2017 , 8, 88792-88803	3.3	9
24	Estrogen-related receptor (ERR) β protects against puromycin aminonucleoside-induced podocyte apoptosis by targeting PI3K/Akt signaling. <i>International Journal of Biochemistry and Cell Biology</i> , 2016 , 78, 75-86	5.6	9
23	Inhibition of mitochondrial complex-1 restores the downregulation of aquaporins in obstructive nephropathy. <i>American Journal of Physiology - Renal Physiology</i> , 2016 , 311, F777-F786	4.3	11
22	mPGES-1-derived PGE2 contributes to adriamycin-induced podocyte injury. <i>American Journal of Physiology - Renal Physiology</i> , 2016 , 310, F492-8	4.3	14
21	A vital role for myosin-9 in puromycin aminonucleoside-induced podocyte injury by affecting actin cytoskeleton. <i>Free Radical Research</i> , 2016 , 50, 627-37	4	7

20	Renal tubular epithelium-targeted peroxisome proliferator-activated receptor- γ maintains the epithelial phenotype and antagonizes renal fibrogenesis. <i>Oncotarget</i> , 2016 , 7, 64690-64701	3-3	12
19	PGC-1 β overexpression protects against aldosterone-induced podocyte depletion: role of mitochondria. <i>Oncotarget</i> , 2016 , 7, 12150-62	3-3	22
18	Indoxyl Sulfate Induces Mesangial Cell Proliferation via the Induction of COX-2. <i>Mediators of Inflammation</i> , 2016 , 2016, 5802973	4-3	11
17	MnTBAP Therapy Attenuates Renal Fibrosis in Mice with 5/6 Nephrectomy. <i>Oxidative Medicine and Cellular Longevity</i> , 2016 , 2016, 7496930	6-7	14
16	NLRP3 deletion protects against renal fibrosis and attenuates mitochondrial abnormality in mouse with 5/6 nephrectomy. <i>American Journal of Physiology - Renal Physiology</i> , 2016 , 310, F1081-8	4-3	58
15	Reactive oxygen species-initiated autophagy opposes aldosterone-induced podocyte injury. <i>American Journal of Physiology - Renal Physiology</i> , 2016 , 310, F669-F678	4-3	11
14	Mitochondrial dysfunction confers albumin-induced NLRP3 inflammasome activation and renal tubular injury. <i>American Journal of Physiology - Renal Physiology</i> , 2015 , 308, F857-66	4-3	56
13	The roles of oxidative stress, endoplasmic reticulum stress, and autophagy in aldosterone/mineralocorticoid receptor-induced podocyte injury. <i>Laboratory Investigation</i> , 2015 , 95, 1374-86	5-9	49
12	Inhibition of Mitochondrial Complex-1 Prevents the Downregulation of NKCC2 and ENaC in Obstructive Kidney Disease. <i>Scientific Reports</i> , 2015 , 5, 12480	4-9	7
11	Huaier Cream Protects against Adriamycin-Induced Nephropathy by Restoring Mitochondrial Function via PGC-1 α upregulation. <i>PPAR Research</i> , 2015 , 2015, 720383	4-3	11
10	Albumin impairs renal tubular tight junctions via targeting the NLRP3 inflammasome. <i>American Journal of Physiology - Renal Physiology</i> , 2015 , 308, F1012-9	4-3	26
9	Inflammasomes in the Pathophysiology of Kidney Diseases. <i>Kidney Diseases (Basel, Switzerland)</i> , 2015 , 1, 187-93	3-3	19
8	New Insights into the PPAR γ Agonists for the Treatment of Diabetic Nephropathy. <i>PPAR Research</i> , 2014 , 2014, 818530	4-3	30
7	Dysfunction of the PGC-1 β mitochondria axis confers adriamycin-induced podocyte injury. <i>American Journal of Physiology - Renal Physiology</i> , 2014 , 306, F1410-7	4-3	24
6	Rotenone remarkably attenuates oxidative stress, inflammation, and fibrosis in chronic obstructive uropathy. <i>Mediators of Inflammation</i> , 2014 , 2014, 670106	4-3	33
5	Activation of ERK1/2 by NADPH oxidase-originated reactive oxygen species mediates uric acid-induced mesangial cell proliferation. <i>American Journal of Physiology - Renal Physiology</i> , 2014 , 307, F396-406	4-3	29
4	NLRP3 inflammasome mediates albumin-induced renal tubular injury through impaired mitochondrial function. <i>Journal of Biological Chemistry</i> , 2014 , 289, 25101-11	5-4	63
3	Progress in pathogenesis of proteinuria. <i>International Journal of Nephrology</i> , 2012 , 2012, 314251	1-7	22

2	Mitochondrial dysfunction mediates aldosterone-induced podocyte damage: a therapeutic target of PPAR α <i>American Journal of Pathology</i> , 2011 , 178, 2020-31	5.8	95
1	Deletion of microsomal prostaglandin E synthase-1 increases sensitivity to salt loading and angiotensin II infusion. <i>Circulation Research</i> , 2006 , 99, 1243-51	15.7	91