

Yi Tan

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108
papers

3,936
citations

38
h-index

59
g-index

121
ext. papers

4,777
ext. citations

6.2
avg, IF

5.23
L-index

#	Paper	IF	Citations
108	Diabetic downregulation of Nrf2 activity via ERK contributes to oxidative stress-induced insulin resistance in cardiac cells in vitro and in vivo. <i>Diabetes</i> , 2011 , 60, 625-33	0.9	278
107	Prevention by sulforaphane of diabetic cardiomyopathy is associated with up-regulation of Nrf2 expression and transcription activation. <i>Journal of Molecular and Cellular Cardiology</i> , 2013 , 57, 82-95	5.8	188
106	Mechanisms of diabetic cardiomyopathy and potential therapeutic strategies: preclinical and clinical evidence. <i>Nature Reviews Cardiology</i> , 2020 , 17, 585-607	14.8	139
105	Inactivation of GSK-3beta by metallothionein prevents diabetes-related changes in cardiac energy metabolism, inflammation, nitrosative damage, and remodeling. <i>Diabetes</i> , 2009 , 58, 1391-402	0.9	129
104	Sulforaphane prevents the development of cardiomyopathy in type 2 diabetic mice probably by reversing oxidative stress-induced inhibition of LKB1/AMPK pathway. <i>Journal of Molecular and Cellular Cardiology</i> , 2014 , 77, 42-52	5.8	124
103	Fenofibrate increases cardiac autophagy via FGF21/SIRT1 and prevents fibrosis and inflammation in the hearts of Type 1 diabetic mice. <i>Clinical Science</i> , 2016 , 130, 625-41	6.5	97
102	Metallothionein Is Downstream of Nrf2 and Partially Mediates Sulforaphane Prevention of Diabetic Cardiomyopathy. <i>Diabetes</i> , 2017 , 66, 529-542	0.9	89
101	Elevating CXCR7 Improves Angiogenic Function of EPCs via Akt/GSK-3β/Fyn-Mediated Nrf2 Activation in Diabetic Limb Ischemia. <i>Circulation Research</i> , 2017 , 120, e7-e23	15.7	87
100	Sulforaphane prevents angiotensin II-induced cardiomyopathy by activation of Nrf2 via stimulating the Akt/GSK-3β/Fyn pathway. <i>Redox Biology</i> , 2018 , 15, 405-417	11.3	87
99	Minireview: Roles of Fibroblast Growth Factors 19 and 21 in Metabolic Regulation and Chronic Diseases. <i>Molecular Endocrinology</i> , 2015 , 29, 1400-13		83
98	Fibroblast growth factor 21 protects the heart from apoptosis in a diabetic mouse model via extracellular signal-regulated kinase 1/2-dependent signalling pathway. <i>Diabetologia</i> , 2015 , 58, 1937-48	10.3	81
97	The role of CXCR7 on the adhesion, proliferation and angiogenesis of endothelial progenitor cells. <i>Journal of Cellular and Molecular Medicine</i> , 2011 , 15, 1299-309	5.6	79
96	Diabetes- and angiotensin II-induced cardiac endoplasmic reticulum stress and cell death: metallothionein protection. <i>Journal of Cellular and Molecular Medicine</i> , 2009 , 13, 1499-512	5.6	77
95	Fibroblast growth factor 1 ameliorates diabetic nephropathy by an anti-inflammatory mechanism. <i>Kidney International</i> , 2018 , 93, 95-109	9.9	72
94	Angiotensin II plays a critical role in alcohol-induced cardiac nitritative damage, cell death, remodeling, and cardiomyopathy in a protein kinase C/nicotinamide adenine dinucleotide phosphate oxidase-dependent manner. <i>Journal of the American College of Cardiology</i> , 2012 , 59, 1477-86	15.1	72
93	Berberine attenuates hepatic steatosis and enhances energy expenditure in mice by inducing autophagy and fibroblast growth factor 21. <i>British Journal of Pharmacology</i> , 2018 , 175, 374-387	8.6	71
92	The role of microRNAs in diabetic nephropathy. <i>Journal of Diabetes Research</i> , 2014 , 2014, 920134	3.9	70

91	Zinc is essential for the transcription function of Nrf2 in human renal tubule cells in vitro and mouse kidney in vivo under the diabetic condition. <i>Journal of Cellular and Molecular Medicine</i> , 2014 , 18, 895-906	5.6	67
90	Up-regulation of Nrf2 is involved in FGF21-mediated fenofibrate protection against type 1 diabetic nephropathy. <i>Free Radical Biology and Medicine</i> , 2016 , 93, 94-109	7.8	63
89	Diabetes-induced hepatic pathogenic damage, inflammation, oxidative stress, and insulin resistance was exacerbated in zinc deficient mouse model. <i>PLoS ONE</i> , 2012 , 7, e49257	3.7	61
88	Protective effect of FGF21 on type 1 diabetes-induced testicular apoptotic cell death probably via both mitochondrial- and endoplasmic reticulum stress-dependent pathways in the mouse model. <i>Toxicology Letters</i> , 2013 , 219, 65-76	4.4	61
87	Attenuation of hyperlipidemia- and diabetes-induced early-stage apoptosis and late-stage renal dysfunction via administration of fibroblast growth factor-21 is associated with suppression of renal inflammation. <i>PLoS ONE</i> , 2013 , 8, e82275	3.7	61
86	C66 ameliorates diabetic nephropathy in mice by both upregulating NRF2 function via increase in miR-200a and inhibiting miR-21. <i>Diabetologia</i> , 2016 , 59, 1558-1568	10.3	61
85	FGF21 deletion exacerbates diabetic cardiomyopathy by aggravating cardiac lipid accumulation. <i>Journal of Cellular and Molecular Medicine</i> , 2015 , 19, 1557-68	5.6	60
84	Metallothionein plays a prominent role in the prevention of diabetic nephropathy by sulforaphane via up-regulation of Nrf2. <i>Free Radical Biology and Medicine</i> , 2015 , 89, 431-42	7.8	60
83	Nrf2: Redox and Metabolic Regulator of Stem Cell State and Function. <i>Trends in Molecular Medicine</i> , 2020 , 26, 185-200	11.5	58
82	Zinc protects against diabetes-induced pathogenic changes in the aorta: roles of metallothionein and nuclear factor (erythroid-derived 2)-like 2. <i>Cardiovascular Diabetology</i> , 2013 , 12, 54	8.7	52
81	Broccoli sprout extract prevents diabetic cardiomyopathy via Nrf2 activation in db/db T2DM mice. <i>Scientific Reports</i> , 2016 , 6, 30252	4.9	51
80	Uncoupling the Mitogenic and Metabolic Functions of FGF1 by Tuning FGF1-FGF Receptor Dimer Stability. <i>Cell Reports</i> , 2017 , 20, 1717-1728	10.6	50
79	Sirtuin 1: A Target for Kidney Diseases. <i>Molecular Medicine</i> , 2015 , 21, 87-97	6.2	48
78	Multiple low-dose radiation prevents type 2 diabetes-induced renal damage through attenuation of dyslipidemia and insulin resistance and subsequent renal inflammation and oxidative stress. <i>PLoS ONE</i> , 2014 , 9, e92574	3.7	47
77	Sulforaphane attenuation of type 2 diabetes-induced aortic damage was associated with the upregulation of Nrf2 expression and function. <i>Oxidative Medicine and Cellular Longevity</i> , 2014 , 2014, 123963	6.7	46
76	Endoplasmic reticulum stress-induced neuronal inflammatory response and apoptosis likely plays a key role in the development of diabetic encephalopathy. <i>Oncotarget</i> , 2016 , 7, 78455-78472	3.3	46
75	Emerging roles for PIWI proteins in cancer. <i>Acta Biochimica Et Biophysica Sinica</i> , 2015 , 47, 315-24	2.8	40
74	Metallothionein deletion exacerbates intermittent hypoxia-induced renal injury in mice. <i>Toxicology Letters</i> , 2015 , 232, 340-8	4.4	40

73	Inhibition of p53 prevents diabetic cardiomyopathy by preventing early-stage apoptosis and cell senescence, reduced glycolysis, and impaired angiogenesis. <i>Cell Death and Disease</i> , 2018 , 9, 82	9.8	40
72	Inhibition of JNK by novel curcumin analog C66 prevents diabetic cardiomyopathy with a preservation of cardiac metallothionein expression. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2014 , 306, E1239-47	6	39
71	A novel CXCR4 antagonist derived from human SDF-1beta enhances angiogenesis in ischaemic mice. <i>Cardiovascular Research</i> , 2009 , 82, 513-21	9.9	39
70	Insulin-Producing Cells Differentiated from Human Bone Marrow Mesenchymal Stem Cells In Vitro Ameliorate Streptozotocin-Induced Diabetic Hyperglycemia. <i>PLoS ONE</i> , 2016 , 11, e0145838	3.7	37
69	Urinary miR-21 as a potential biomarker of hypertensive kidney injury and fibrosis. <i>Scientific Reports</i> , 2017 , 7, 17737	4.9	36
68	AMPK: a therapeutic target of heart failure-not only metabolism regulation. <i>Bioscience Reports</i> , 2019 , 39,	4.1	36
67	Zinc treatment prevents type 1 diabetes-induced hepatic oxidative damage, endoplasmic reticulum stress, and cell death, and even prevents possible steatohepatitis in the OVE26 mouse model: Important role of metallothionein. <i>Toxicology Letters</i> , 2015 , 233, 114-24	4.4	35
66	The protective effect of FGF21 on diabetes-induced male germ cell apoptosis is associated with up-regulated testicular AKT and AMPK/Sirt1/PGC-1 β signaling. <i>Endocrinology</i> , 2015 , 156, 1156-70	4.8	33
65	The prevention of diabetic cardiomyopathy by non-mitogenic acidic fibroblast growth factor is probably mediated by the suppression of oxidative stress and damage. <i>PLoS ONE</i> , 2013 , 8, e82287	3.7	33
64	Inhibition of JNK by compound C66 prevents pathological changes of the aorta in STZ-induced diabetes. <i>Journal of Cellular and Molecular Medicine</i> , 2014 , 18, 1203-12	5.6	30
63	A novel mechanism by which SDF-1 β protects cardiac cells from palmitate-induced endoplasmic reticulum stress and apoptosis via CXCR7 and AMPK/p38 MAPK-mediated interleukin-6 generation. <i>Diabetes</i> , 2013 , 62, 2545-58	0.9	30
62	Physiological and Pharmacological Roles of FGF21 in Cardiovascular Diseases. <i>Journal of Diabetes Research</i> , 2016 , 2016, 1540267	3.9	30
61	Sitagliptin-mediated preservation of endothelial progenitor cell function via augmenting autophagy enhances ischaemic angiogenesis in diabetes. <i>Journal of Cellular and Molecular Medicine</i> , 2018 , 22, 89-100	5.6	29
60	Intermittent hypoxia-induced renal antioxidants and oxidative damage in male mice: hormetic dose response. <i>Dose-Response</i> , 2012 , 11, 385-400	2.3	28
59	Zinc deficiency exacerbates while zinc supplement attenuates cardiac hypertrophy in high-fat diet-induced obese mice through modulating p38 MAPK-dependent signaling. <i>Toxicology Letters</i> , 2016 , 258, 134-146	4.4	26
58	Cardiac-specific overexpression of catalase prevents diabetes-induced pathological changes by inhibiting NF- κ B signaling activation in the heart. <i>Journal of Molecular and Cellular Cardiology</i> , 2015 , 89, 314-25	5.8	25
57	Angiotensin II-induced p53-dependent cardiac apoptotic cell death: its prevention by metallothionein. <i>Toxicology Letters</i> , 2009 , 191, 314-20	4.4	25
56	Protection by dimethyl fumarate against diabetic cardiomyopathy in type 1 diabetic mice likely via activation of nuclear factor erythroid-2 related factor 2. <i>Toxicology Letters</i> , 2018 , 287, 131-141	4.4	24

55	Intermittent hypoxia-induced cardiomyopathy and its prevention by Nrf2 and metallothionein. <i>Free Radical Biology and Medicine</i> , 2017 , 112, 224-239	7.8	24
54	Hepatic CREBZF couples insulin to lipogenesis by inhibiting insig activity and contributes to hepatic steatosis in diet-induced insulin-resistant mice. <i>Hepatology</i> , 2018 , 68, 1361-1375	11.2	23
53	CircNr1h4 regulates the pathological process of renal injury in salt-sensitive hypertensive mice by targeting miR-155-5p. <i>Journal of Cellular and Molecular Medicine</i> , 2020 , 24, 1700-1712	5.6	23
52	Additive protection by LDR and FGF21 treatment against diabetic nephropathy in type 2 diabetes model. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2015 , 309, E45-54	6	22
51	A novel in vitro angiogenesis model based on a microfluidic device. <i>Science Bulletin</i> , 2011 , 56, 3301-3309		22
50	Metallothionein Preserves Akt2 Activity and Cardiac Function via Inhibiting TRB3 in Diabetic Hearts. <i>Diabetes</i> , 2018 , 67, 507-517	0.9	20
49	Metallothionein prevents cardiac pathological changes in diabetes by modulating nitration and inactivation of cardiac ATP synthase. <i>Journal of Nutritional Biochemistry</i> , 2014 , 25, 463-74	6.3	20
48	Zinc delays the progression of obesity-related glomerulopathy in mice via down-regulating P38 MAPK-mediated inflammation. <i>Obesity</i> , 2016 , 24, 1244-56	8	20
47	Inhibition of DNA methylation attenuates low-dose cadmium-induced cardiac contractile and intracellular Ca(2+) anomalies. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2013 , 40, 706-12	3	19
46	The cardioprotective effects of carvedilol on ischemia and reperfusion injury by AMPK signaling pathway. <i>Biomedicine and Pharmacotherapy</i> , 2019 , 117, 109106	7.5	18
45	Comparison of the Therapeutic Effects Recombinant Human Acidic and Basic Fibroblast Growth Factors in Wound Healing in Diabetic Patients. <i>Journal of Health Science</i> , 2008 , 54, 432-440		18
44	Fibroblast growth factor 21 deletion aggravates diabetes-induced pathogenic changes in the aorta in type 1 diabetic mice. <i>Cardiovascular Diabetology</i> , 2015 , 14, 77	8.7	17
43	Magnolia bioactive constituent 4-O-methylhonokiol prevents the impairment of cardiac insulin signaling and the cardiac pathogenesis in high-fat diet-induced obese mice. <i>International Journal of Biological Sciences</i> , 2015 , 11, 879-91	11.2	16
42	Magnolia extract (BL153) protection of heart from lipid accumulation caused cardiac oxidative damage, inflammation, and cell death in high-fat diet fed mice. <i>Oxidative Medicine and Cellular Longevity</i> , 2014 , 2014, 205849	6.7	16
41	Therapeutic effect of MG132 on the aortic oxidative damage and inflammatory response in OVE26 type 1 diabetic mice. <i>Oxidative Medicine and Cellular Longevity</i> , 2013 , 2013, 879516	6.7	16
40	Activating Adenosine Monophosphate-Activated Protein Kinase Mediates Fibroblast Growth Factor 1 Protection From Nonalcoholic Fatty Liver Disease in Mice. <i>Hepatology</i> , 2021 , 73, 2206-2222	11.2	16
39	Deletion of metallothionein exacerbates intermittent hypoxia-induced oxidative and inflammatory injury in aorta. <i>Oxidative Medicine and Cellular Longevity</i> , 2014 , 2014, 141053	6.7	15
38	From the Cover: Zinc Deficiency Worsens and Supplementation Prevents High-Fat Diet Induced Vascular Inflammation, Oxidative Stress, and Pathological Remodeling. <i>Toxicological Sciences</i> , 2016 , 153, 124-36	4.4	15

37	The magnolia bioactive constituent 4-O-methylhonokiol protects against high-fat diet-induced obesity and systemic insulin resistance in mice. <i>Oxidative Medicine and Cellular Longevity</i> , 2014 , 2014, 965954	6.7	14
36	Endothelial Overexpression of Metallothionein Prevents Diabetes-Induced Impairment in Ischemia Angiogenesis Through Preservation of HIF-1/SDF-1/VEGF Signaling in Endothelial Progenitor Cells. <i>Diabetes</i> , 2020 , 69, 1779-1792	0.9	13
35	BL153 partially prevents high-fat diet induced liver damage probably via inhibition of lipid accumulation, inflammation, and oxidative stress. <i>Oxidative Medicine and Cellular Longevity</i> , 2014 , 2014, 674690	6.7	13
34	Metallothionein as a compensatory component prevents intermittent hypoxia-induced cardiomyopathy in mice. <i>Toxicology and Applied Pharmacology</i> , 2014 , 277, 58-66	4.6	13
33	Magnolia extract (BL153) ameliorates kidney damage in a high fat diet-induced obesity mouse model. <i>Oxidative Medicine and Cellular Longevity</i> , 2013 , 2013, 367040	6.7	13
32	Metallothionein Prevents Age-Associated Cardiomyopathy via Inhibiting NF- κ B Pathway Activation and Associated Nitrate Damage to 2-OGD. <i>Antioxidants and Redox Signaling</i> , 2016 , 25, 936-952	8.4	12
31	Pex11a deficiency causes dyslipidaemia and obesity in mice. <i>Journal of Cellular and Molecular Medicine</i> , 2019 , 23, 2020-2031	5.6	12
30	Increasing similarity in the dynamics of influenza in two adjacent subtropical Chinese cities following the relaxation of border restrictions. <i>Journal of General Virology</i> , 2014 , 95, 531-538	4.9	11
29	Ferroptosis is essential for diabetic cardiomyopathy and is prevented by sulforaphane AMPK/NRF2 pathways.. <i>Acta Pharmaceutica Sinica B</i> , 2022 , 12, 708-722	15.5	11
28	Procyanidin B2 improves endothelial progenitor cell function and promotes wound healing in diabetic mice via activating Nrf2. <i>Journal of Cellular and Molecular Medicine</i> , 2021 , 25, 652-665	5.6	11
27	Interleukin-1 β augments the angiogenesis of endothelial progenitor cells in an NF- κ B/CXCR7-dependent manner. <i>Journal of Cellular and Molecular Medicine</i> , 2020 , 24, 5605-5614	5.6	10
26	Prevention of Streptozotocin-Induced Diabetic Nephropathy by MG132: Possible Roles of Nrf2 and IB. <i>Oxidative Medicine and Cellular Longevity</i> , 2017 , 2017, 3671751	6.7	10
25	Diabetes Induced Changes in Podocyte Morphology and Gene Expression Evaluated Using GFP Transgenic Podocytes. <i>International Journal of Biological Sciences</i> , 2016 , 12, 210-8	11.2	9
24	Deletion of angiotensin II type 1 receptor gene or scavenge of superoxide prevents chronic alcohol-induced aortic damage and remodelling. <i>Journal of Cellular and Molecular Medicine</i> , 2012 , 16, 2530-8	5.6	8
23	FGF21 promotes ischaemic angiogenesis and endothelial progenitor cells function under diabetic conditions in an AMPK/NAD ⁺ -dependent manner. <i>Journal of Cellular and Molecular Medicine</i> , 2021 , 25, 3091-3102	5.6	8
22	A Novel CXCR4 antagonist enhances angiogenesis via modifying the ischaemic tissue environment. <i>Journal of Cellular and Molecular Medicine</i> , 2017 , 21, 2298-2307	5.6	7
21	Sex differences in progression of diabetic nephropathy in OVE26 type 1 diabetic mice. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020 , 1866, 165589	6.9	7
20	From the Cover: Alcohol Inhibition of the Enzymatic Activity of Glyceraldehyde 3-Phosphate Dehydrogenase Impairs Cardiac Glucose Utilization, Contributing to Alcoholic Cardiomyopathy. <i>Toxicological Sciences</i> , 2017 , 159, 392-401	4.4	6

19	Sulforaphane Prevents Angiotensin II-Induced Testicular Cell Death via Activation of NRF2. <i>Oxidative Medicine and Cellular Longevity</i> , 2017 , 2017, 5374897	6.7	6
18	Engineered cardiac tissues: a novel in vitro model to investigate the pathophysiology of mouse diabetic cardiomyopathy. <i>Acta Pharmacologica Sinica</i> , 2021 , 42, 932-941	8	6
17	Cardiac metallothionein overexpression rescues diabetic cardiomyopathy in Akt2-knockout mice. <i>Journal of Cellular and Molecular Medicine</i> , 2021 , 25, 6828-6840	5.6	5
16	Loss of NF-E2 expression contributes to the induction of profibrotic signaling in diabetic kidneys. <i>Life Sciences</i> , 2020 , 254, 117783	6.8	4
15	Combined Use of Acid Fibroblast Growth Factor, Granulocyte Colony-stimulating Factor and Zinc Sulphate Accelerates Diabetic Ulcer Healing. <i>Journal of Health Science</i> , 2009 , 55, 910-922		3
14	Renoprotection From Diabetic Complications in OVE Transgenic Mice by Endothelial Cell Specific Overexpression of Metallothionein: A TEM Stereological Analysis. <i>Anatomical Record</i> , 2017 , 300, 560-576 ^{2.1}		2
13	CXCR7 Agonist TC14012 Improves Angiogenic Function of Endothelial Progenitor Cells in Diabetic Limb Ischemia. <i>Diabetes</i> , 2018 , 67, 471-P	0.9	2
12	Whole life exposure to low dose cadmium alters diet-induced NAFLD.. <i>Toxicology and Applied Pharmacology</i> , 2022 , 436, 115855	4.6	1
11	605-P: Endothelial-Specific Overexpression of Metallothionein Prevents Diabetes Mellitus-Induced Impairment in Ischemia Angiogenesis via Preservation of HIF-1a/SDF-1/VEGF Signaling in Endothelial Progenitor Cells. <i>Diabetes</i> , 2020 , 69, 605-P	0.9	1
10	Neutral ceramidase-dependent regulation of macrophage metabolism directs intestinal immune homeostasis and controls enteric infection.. <i>Cell Reports</i> , 2022 , 38, 110560	10.6	1
9	Early-Life Exposure to Low-Dose Cadmium Accelerates Diethylnitrosamine and Diet-Induced Liver Cancer. <i>Oxidative Medicine and Cellular Longevity</i> , 2021 , 2021, 1427787	6.7	0
8	Sex differences in the effects of whole-life, low-dose cadmium exposure on postweaning high-fat diet-induced cardiac pathogenesis. <i>Science of the Total Environment</i> , 2021 , 809, 152176	10.2	0
7	ERK and p38 MAPK inhibition controls NF-E2 degradation and profibrotic signaling in renal proximal tubule cells. <i>Life Sciences</i> , 2021 , 287, 120092	6.8	0
6	FGF1 delays the progression of diabetic nephropathy in late-stage type 2 diabetes mouse model by alleviating renal inflammation, fibrosis, and apoptosis.. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2022 , 1868, 166414	6.9	0
5	625-P: Metallothionein Improves Angiogenic Function of Endothelial Progenitor Cells via HIF-1 α /SDF-1/Akt Pathway in Diabetic Limb Ischemia. <i>Diabetes</i> , 2019 , 68, 625-P	0.9	
4	473-P: HDAC Inhibition Augments TGF- β -Induced JNK Activation, CTGF Expression, and NF-E2 Degradation Promoting Profibrotic Signaling in Renal Proximal Tubules. <i>Diabetes</i> , 2020 , 69, 473-P	0.9	
3	Platelet-Endothelial Association with Fibrinogen/Fibrin, Coupled with Oxidative Stress, Protein Nitrosylation, and Fibrosis may underlie Pulmonary Endothelial Cell Dysfunction in a Mouse Model of Type 1 Diabetes. <i>FASEB Journal</i> , 2015 , 29, 634.8	0.9	
2	Renoprotection from Diabetic Complications in OVE Transgenic Mice by Endothelial Cell Specific Overexpression of Metallothionein. <i>FASEB Journal</i> , 2015 , 29, 543.4	0.9	

- 1 CXCR7 Agonist TC14012 Improves Angiogenic Function of Endothelial Progenitor Cells via Activating Akt/eNOS Pathway and Promotes Ischemic Angiogenesis in Diabetic Limb Ischemia.. *Cardiovascular Drugs and Therapy*, **2022**, 1 3.9