Jin-Kui Yang

List of Publications by Year
in descending order

107 papers	4,845 citations	236612 25 h-index	110170 64 g-index
124 all docs	124 docs citations	124 times ranked	9307 citing authors

#	Article	IF	Citations
1	Gender Differences in Patients With COVID-19: Focus on Severity and Mortality. Frontiers in Public Health, 2020, 8, 152.	1.3	1,609
2	Binding of SARS coronavirus to its receptor damages islets and causes acute diabetes. Acta Diabetologica, 2010, 47, 193-199.	1.2	850
3	Cathepsin L plays a key role in SARS-CoV-2 infection in humans and humanized mice and is a promising target for new drug development. Signal Transduction and Targeted Therapy, 2021, 6, 134.	7.1	331
4	miR-21 overexpression enhances TGF-β1-induced epithelial-to-mesenchymal transition by target smad7 and aggravates renal damage in diabetic nephropathy. Molecular and Cellular Endocrinology, 2014, 392, 163-172.	1.6	136
5	Loss of angiotensin-converting enzyme 2 leads to impaired glucose homeostasis in mice. Endocrine, 2008, 34, 56-61.	1.1	92
6	Angiotensin-(1-7) suppresses oxidative stress and improves glucose uptake via Mas receptor in adipocytes. Acta Diabetologica, 2012, 49, 291-299.	1.2	81
7	An Association Between Subclinical Hypothyroidism and Sight-Threatening Diabetic Retinopathy in Type 2 Diabetic Patients. Diabetes Care, 2010, 33, 1018-1020.	4.3	76
8	The ACE2/Ang-(1–7)/Mas axis can inhibit hepatic insulin resistance. Molecular and Cellular Endocrinology, 2014, 393, 30-38.	1.6	70
9	Naringenin improves insulin sensitivity in gestational diabetes mellitus mice through AMPK. Nutrition and Diabetes, 2019, 9, 28.	1.5	68
10	Impact of antidiabetic agents on dementia risk: A Bayesian network meta-analysis. Metabolism: Clinical and Experimental, 2020, 109, 154265.	1.5	64
11	Angiotensin-converting enzyme 2/angiotensin-(1–7)/Mas axis activates Akt signaling to ameliorate hepatic steatosis. Scientific Reports, 2016, 6, 21592.	1.6	63
12	Neck circumference as a measure of neck fat and abdominal visceral fat in Chinese adults. BMC Public Health, 2014, 14, 311.	1.2	62
13	Plasma metabolomic profiling of proliferative diabetic retinopathy. Nutrition and Metabolism, 2019, 16, 37.	1.3	52
14	Angiotensin-converting enzyme 2 regulates mitochondrial function in pancreatic β-cells. Biochemical and Biophysical Research Communications, 2018, 495, 860-866.	1.0	49
15	The MDM2–p53–pyruvate carboxylase signalling axis couples mitochondrial metabolism to glucose-stimulated insulin secretion in pancreatic β-cells. Nature Communications, 2016, 7, 11740.	5.8	47
16	Prevalence and associated factors of diabetic retinopathy in Beijing, China: a cross-sectional study. BMJ Open, 2017, 7, e015473.	0.8	45
17	Relationship between Central Obesity and the incidence of Cognitive Impairment and Dementia from Cohort Studies Involving 5,060,687 Participants. Neuroscience and Biobehavioral Reviews, 2021, 130, 301-313.	2.9	43
18	Novel cleavage sites identified in SARS-CoV-2 spike protein reveal mechanism for cathepsin L-facilitated viral infection and treatment strategies. Cell Discovery, 2022, 8, .	3.1	40

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19	Berberine is an insulin secretagogue targeting the KCNH6 potassium channel. Nature Communications, 2021, 12, 5616.	5.8	39
20	Downregulation of miR-30c promotes renal fibrosis by target CTGF in diabetic nephropathy. Journal of Diabetes and Its Complications, 2016, 30, 406-414.	1.2	36
21	The Dysfunctional MDM2â€"p53 Axis in Adipocytes Contributes to Aging-Related Metabolic Complications by Induction of Lipodystrophy. Diabetes, 2018, 67, 2397-2409.	0.3	36
22	From Hyper- to Hypoinsulinemia and Diabetes: Effect of KCNH6 on Insulin Secretion. Cell Reports, 2018, 25, 3800-3810.e6.	2.9	33
23	Angiotensin-converting enzyme 2 regulates endoplasmic reticulum stress and mitochondrial function to preserve skeletal muscle lipid metabolism. Lipids in Health and Disease, 2019, 18, 207.	1.2	33
24	Urine Proteome Specific for Eye Damage Can Predict Kidney Damage in Patients With Type 2 Diabetes: A Case-Control and a 5.3-Year Prospective Cohort Study. Diabetes Care, 2017, 40, 253-260.	4.3	32
25	Evaluation for Fasting and 2-hour Glucose and HbA1c for Diagnosing Diabetes Based on Prevalence of Retinopathy in a Chinese Population. PLoS ONE, 2012, 7, e40610.	1.1	26
26	High Prevalence of Lower Extremity Peripheral Artery Disease in Type 2 Diabetes Patients with Proliferative Diabetic Retinopathy. PLoS ONE, 2015, 10, e0122022.	1.1	26
27	Interactions Among Related Genes of Renin-Angiotensin System Associated With Type 2 Diabetes. Diabetes Care, 2010, 33, 2271-2273.	4.3	25
28	Identifying obesity indicators which best correlate with type 2 diabetes in a Chinese population. BMC Public Health, 2012, 12, 732.	1.2	24
29	Polyethylene glycol loxenatide injections added to metformin effectively improve glycemic control and exhibit favorable safety in type 2 diabetic patients. Journal of Diabetes, 2017, 9, 158-167.	0.8	24
30	Angiotensinâ€converting enzyme 2 inhibits endoplasmic reticulum stressâ€"associated pathway to preserve nonalcoholic fatty liver disease. Diabetes/Metabolism Research and Reviews, 2019, 35, e3123.	1.7	24
31	Incidence of Type 1 Diabetes May Be Underestimated in the Chinese Population: Evidence From 21.7 Million People Between 2007 and 2017. Diabetes Care, 2021, 44, 2503-2509.	4.3	23
32	A simple tool detected diabetes and prediabetes in rural Chinese. Journal of Clinical Epidemiology, 2010, 63, 1030-1035.	2.4	22
33	Efficacy and safety of linagliptin in <scp>A</scp>sian patients with type 2 diabetes mellitus inadequately controlled by metformin: A multinational 24â€week, randomized clinical trial. Journal of Diabetes, 2016, 8, 229-237.	0.8	20
34	Angiotensinâ€(1â€7), the product of ACE2 ameliorates NAFLD by acting through its receptor Mas to regulate hepatic mitochondrial function and glycolipid metabolism. FASEB Journal, 2020, 34, 16291-16306.	0.2	19
35	Genome-wide association study for proliferative diabetic retinopathy in Africans. Npj Genomic Medicine, 2019, 4, 20.	1.7	18
36	Relationship between obesity and structural brain abnormality: Accumulated evidence from observational studies. Ageing Research Reviews, 2021, 71, 101445.	5.0	18

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37	Urine NGAL as an early biomarker for diabetic kidney disease: accumulated evidence from observational studies. Renal Failure, 2019, 41, 446-454.	0.8	16
38	High Prevalence of Diabetic Retinopathy in Diabetic Patients Concomitant with Metabolic Syndrome. PLoS ONE, 2016, 11, e0145293.	1.1	16
39	Efficacy and safety of alogliptin in patients with type 2 diabetes mellitus: A multicentre randomized double‐blind placebo‐controlled Phase 3 study in mainland China, Taiwan, and Hong Kong. Journal of Diabetes, 2017, 9, 386-395.	0.8	15
40	Impact of Intensive Glucose Control on Brain Health: Meta-Analysis of Cumulative Data from 16,584 Patients with Type 2 Diabetes Mellitus. Diabetes Therapy, 2021, 12, 765-779.	1.2	15
41	Doxorubicin promotes breast cancer cell migration and invasion via DCAF13. FEBS Open Bio, 2022, 12, 221-230.	1.0	15
42	Vitamin D deficiency is associated with risk of developing peripheral arterial disease in type 2 diabetic patients. BMC Cardiovascular Disorders, 2019, 19, 145.	0.7	14
43	Helicobacter pylori infection as a risk factor for serum bilirubin change and less favourable lipid profiles: a hospital-based health examination survey. BMC Infectious Diseases, 2019, 19, 157.	1.3	14
44	Nifuroxazide ameliorates lipid and glucose metabolism in palmitate-induced HepG2 cells. RSC Advances, 2019, 9, 39394-39404.	1.7	13
45	ACE2 and energy metabolism: the connection between COVID-19 and chronic metabolic disorders. Clinical Science, 2021, 135, 535-554.	1.8	13
46	Nifuroxazide improves insulin secretion and attenuates high glucose-induced inflammation and apoptosis in INS-1 cells. European Journal of Pharmacology, 2021, 899, 174042.	1.7	13
47	Potential drug discovery for COVID-19 treatment targeting Cathepsin L using a deep learning-based strategy. Computational and Structural Biotechnology Journal, 2022, 20, 2442-2454.	1.9	13
48	Rationale, Design, and Baseline Characteristics of Beijing Prediabetes Reversion Program: A Randomized Controlled Clinical Trial to Evaluate the Efficacy of Lifestyle Intervention and/or Pioglitazone in Reversion to Normal Glucose Tolerance in Prediabetes. Journal of Diabetes Research, 2017, 2017, 1-11.	1.0	12
49	Could Vitamin D be Associated with Proliferative Diabetic Retinopathy? Evidence from Pooling Studies. Hormone and Metabolic Research, 2019, 51, 729-734.	0.7	12
50	Determining the optimal fasting glucose target for patients with type 2 diabetes: Results of the multicentre, open‐label, randomized‐controlled FPG GOAL trial. Diabetes, Obesity and Metabolism, 2019, 21, 1973-1977.	2.2	12
51	Bidirectional relationship between diabetes and pulmonary function: a systematic review and meta-analysis. Diabetes and Metabolism, 2021, 47, 101186.	1.4	12
52	Spectrum of thyroid dysfunction and dementia: a dose–response meta-analysis of 344,248 individuals from cohort studies. Endocrine Connections, 2021, 10, 410-421.	0.8	12
53	β-Klotho promotes glycolysis and glucose-stimulated insulin secretion via GP130. Nature Metabolism, 2022, 4, 608-626.	5.1	12
54	KCNH6 protects pancreatic β‐cells from endoplasmic reticulum stress and apoptosis. FASEB Journal, 2020, 34, 15015-15028.	0.2	11

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55	Obstructive sleep apnea is associated with coronary microvascular dysfunction: A systematic review from a clinical perspective. Journal of Sleep Research, 2020, 29, e13046.	1.7	11
56	Is central obesity associated with diabetic retinopathy in Chinese individuals? An exploratory study. Journal of International Medical Research, 2019, 47, 5601-5612.	0.4	10
57	New-onset COVID-19–related diabetes: an early indicator of multi-organ injury and mortally of SARS-CoV-2 infection. , 2022, 1, .		10
58	Diabetes awareness, treatment, control rates and associated risk factors among Beijing residents in 2011: A cross-sectional survey. Chronic Diseases and Translational Medicine, 2016, 2, 147-158.	0.9	9
59	Maternal Diabetes Mellitus and Persistent Pulmonary Hypertension of the Newborn: Accumulated Evidence From Observational Studies. Canadian Journal of Diabetes, 2020, 44, 327-334.e3.	0.4	9
60	Joint optic disc and cup segmentation based on multi-scale feature analysis and attention pyramid architecture for glaucoma screening. Neural Computing and Applications, 2023, 35, 16129-16142.	3.2	9
61	Influence of insulin on growth hormone secretion, level and growth hormone signalling. Acta Physiologica Sinica, 2017, 69, 541-556.	0.5	9
62	Low Prevalence of Diabetic Retinopathy in a Chinese Population. Diabetes Care, 2012, 35, e61-e61.	4.3	8
63	Mutation analyses in pedigrees and sporadic cases of ethnic Han Chinese Kallmann syndrome patients. Experimental Biology and Medicine, 2015, 240, 1480-1489.	1.1	8
64	HERG Protein Plays a Role in Moxifloxacin-Induced Hypoglycemia. Journal of Diabetes Research, 2016, 2016, 1-6.	1.0	7
65	New clinical screening strategy to distinguish HNF1A variant-induced diabetes from young early-onset type 2 diabetes in a Chinese population. BMJ Open Diabetes Research and Care, 2020, 8, e000745.	1.2	7
66	Proliferative diabetic retinopathy in patients with type 2 diabetes correlates with the presence of atherosclerosis cardiovascular disease. Diabetology and Metabolic Syndrome, 2021, 13, 48.	1.2	7
67	Early Onset Age Increased the Risk of Diabetic Retinopathy in Type 2 Diabetes Patients with Duration of 10–20 Years and HbA1C ≥7%: A Hospital-Based Case-Control Study. International Journal of Endocrinology, 2021, 2021, 1-6.	0.6	7
68	Non-linear association of anthropometric measurements and pulmonary function. Scientific Reports, 2021, 11, 14596.	1.6	7
69	Association between neck circumference and coronary heart disease: a meta- analysis. Asian Pacific Island Nursing Journal, 2019, 4, 34-46.	0.3	7
70	Correlation between subclinical hypothyroidism and renal function in patients with diabetes mellitus. Nephrology, 2017, 22, 790-795.	0.7	6
71	Comparison of amlodipine versus other calcium channel blockers on blood pressure variability in hypertensive patients in China: a retrospective propensity score-matched analysis. Journal of Comparative Effectiveness Research, 2018, 7, 651-660.	0.6	6
72	Identification of Rfx6 target genes involved in pancreas development and insulin translation by ChIP-seq. Biochemical and Biophysical Research Communications, 2019, 508, 556-562.	1.0	6

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73	ACE2 pathway regulates thermogenesis and energy metabolism. ELife, 2022, 11, .	2.8	6
74	A three-step programmed method for the identification of causative gene mutations of maturity onset diabetes of the young (MODY). Gene, 2016, 588, 141-148.	1.0	5
75	Reanalysis and External Validation of a Decision Tree Model for Detecting Unrecognized Diabetes in Rural Chinese Individuals. International Journal of Endocrinology, 2017, 2017, 1-6.	0.6	5
76	Correlation between normal range of serum alanine aminotransferase level and metabolic syndrome. Medicine (United States), 2018, 97, e12767.	0.4	5
77	Single-cell heterogeneity analysis and CRISPR screens in MIN6 cell line reveal transcriptional regulators of insulin. Cell Cycle, 2021, 20, 2053-2065.	1.3	5
78	Interaction of Wnt pathway related variants with type 2 diabetes in a Chinese Han population. PeerJ, 2015, 3, e1304.	0.9	5
79	Weakly supervised training for eye fundus lesion segmentation in patients with diabetic retinopathy. Mathematical Biosciences and Engineering, 2022, 19, 5293-5311.	1.0	5
80	Strong and osteoconductive poly(lactic acid) biocomposites by high-shear liquid dispersion of hydroxyapatite nanowhiskers. Nanocomposites, 2022, 8, 24-33.	2.2	5
81	Enhanced Pulsatile Growth Hormone Secretion and Altered Metabolic Hormones by in Vivo Hexarelin Treatment in Streptozotocin-Induced Diabetic Rats. International Journal of Molecular Sciences, 2018, 19, 3067.	1.8	4
82	The value of SPECT/CT imaging of lacrimal glands as a means of assessing the activity of Graves' orbitopathy. Endocrine Connections, 2022, 11, .	0.8	4
83	Efffect of addition of low-dose rosiglitazone to sulphonylurea therapy on glycemic control in type 2 diabetic patients. Chinese Medical Journal, 2003, 116, 785-7.	0.9	4
84	Using Hashimoto thyroiditis as gold standard to determine the upper limit value of thyroid stimulating hormone in a Chinese cohort. BMC Endocrine Disorders, 2016, 16, 57.	0.9	3
85	An Increase in Normal SUA Level Within the Normal Range Predicts Risk of Metabolic Syndrome, Especially in Women: A Cross-Sectional Study. Hormone and Metabolic Research, 2017, 49, 338-342.	0.7	3
86	Are low levels of serum bicarbonate associated with risk of progressing to impaired fasting glucose/diabetes? A single-centre prospective cohort study in Beijing, China. BMJ Open, 2018, 8, e019145.	0.8	3
87	Association between intercellular adhesion molecule 1 (ICAM1) polymorphisms and diabetic foot susceptibility. Medicine (United States), 2020, 99, e18052.	0.4	3
88	Efficacy and safety of generic exenatide injection in Chinese patients with type 2 diabetes: a multicenter, randomized, controlled, non-inferiority trial. Acta Diabetologica, 2020, 57, 991-1000.	1.2	3
89	Heterozygous PAX6 mutations may lead to hyper‐proinsulinaemia and glucose intolerance: A case‐control study in families with congenital aniridia. Diabetic Medicine, 2021, 38, e14456.	1.2	3
90	Association between Proliferative Diabetic Retinopathy and Serum Bile Acid Level in Patients with Type 2 Diabetes Mellitus. Endocrine, Metabolic and Immune Disorders - Drug Targets, 2021, 21, 2063-2067.	0.6	3

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91	The prevalence of glucose metabolism disturbances in Chinese Muslims and possible risk factors: a study from northwest China. Arquivos Brasileiros De Endocrinologia E Metabologia, 2014, 58, 715-723.	1.3	3
92	Nateglinide in Combination with Metformin in Chinese Patients with Type 2 Diabetes Mellitus: A Post-Marketing Surveillance Study. Clinical Drug Investigation, 2013, 33, 185-191.	1.1	2
93	Predicting the early risk of ophthalmopathy in Graves' disease patients using TCR repertoire. Clinical and Translational Medicine, 2020, 10, e218.	1.7	2
94	The dual role of RFX6 in directing β cell development and insulin production. Journal of Molecular Endocrinology, 2021, 66, 129-140.	1.1	2
95	Efficacy and safety of PEGylated exenatide injection (PB-119) in treatment-naive type 2 diabetes mellitus patients: a Phase II randomised, double-blind, parallel, placebo-controlled study. Diabetologia, 2021, 64, 1066-1078.	2.9	2
96	Development of a sensitive and reliable ELISA kit of urinary haptoglobin to predict progress of diabetic kidney disease. Diabetes/Metabolism Research and Reviews, 2021, 37, e3432.	1.7	2
97	High bicarbonate concentration increases glucose-induced insulin secretion in pancreatic β-cells. Biochemical and Biophysical Research Communications, 2022, 589, 165-172.	1.0	2
98	A Randomized Controlled Clinical Trial of Lifestyle Intervention and Pioglitazone for Normalization of Glucose Status in Chinese with Prediabetes. Journal of Diabetes Research, 2022, 2022, 1-10.	1.0	2
99	Effect of Riluzole on the Expression of HCN2 in Dorsal Root Ganglion Neurons of Diabetic Neuropathic Pain Rats. Journal of Healthcare Engineering, 2022, 2022, 1-7.	1.1	2
100	Establishment and Validation of a Nomogram Model for Prediction of Diabetic Nephropathy in Type 2 Diabetic Patients with Proteinuria. Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy, 2022, Volume 15, 1101-1110.	1.1	2
101	Inhibition of STAT3 enhances UCP1 expression and mitochondrial function in brown adipocytes. European Journal of Pharmacology, 2022, 926, 175040.	1.7	2
102	A High TSH Level is Associated with Diabetic Macular Edema: A Cross-Sectional Study of Patients with Type 2 Diabetes Mellitus. Endocrine Connections, 2022, , .	0.8	2
103	The Status of Maculopathy in Diabetes and Prediabetes Patients in a Population-Based Study Detected by Optical Coherence Tomography: The 2011 Health Examination Survey in Beijing. BioMed Research International, 2017, 2017, 1-7.	0.9	1
104	Effect of KCNH6 on Hepatic Endoplasmic Reticulum Stress and Glucose Metabolism. Hormone and Metabolic Research, 2020, 52, 669-675.	0.7	1
105	Urinary albumin excretion rate: a risk factor for retinal hard exudates in macular region in type 2 diabetic patients. Chinese Medical Journal, 2014, 127, 2293-8.	0.9	1
106	Response to Comment on Liu et al. Incidence of Type 1 Diabetes May Be Underestimated in the Chinese Population: Evidence From 21.7 Million People Between 2007 and 2017. Diabetes Care 2021;44:2503–2509. Diabetes Care, 2022, 45, e13-e14.	4.3	0
107	A Higher Serum Anion Gap Is Associated with the Risk of Progressing to Impaired Fasting Glucose and Diabetes. International Journal of Endocrinology, 2021, 2021, 1-6.	0.6	0