

# Tianru Jin

## List of Publications by Year in descending order

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107  
papers

5,470  
citations

81839

39  
h-index

88593

70  
g-index

107  
all docs

107  
docs citations

107  
times ranked

7815  
citing authors

#	ARTICLE	IF	CITATIONS
1	TCF-4 Mediates Cell Type-specific Regulation of Proglucagon Gene Expression by $\beta$ -Catenin and Glycogen Synthase Kinase-3 $\beta$ . <i>Journal of Biological Chemistry</i> , 2005, 280, 1457-1464.	1.6	359
2	GABA exerts protective and regenerative effects on islet beta cells and reverses diabetes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 11692-11697.	3.3	316
3	Gut Microbiota Metabolism of Anthocyanin Promotes Reverse Cholesterol Transport in Mice Via Repressing miRNA-10b. <i>Circulation Research</i> , 2012, 111, 967-981.	2.0	258
4	Curcumin Prevents High Fat Diet Induced Insulin Resistance and Obesity via Attenuating Lipogenesis in Liver and Inflammatory Pathway in Adipocytes. <i>PLoS ONE</i> , 2012, 7, e28784.	1.1	221
5	Wnt and beyond Wnt: Multiple mechanisms control the transcriptional property of $\beta$ -catenin. <i>Cellular Signalling</i> , 2008, 20, 1697-1704.	1.7	208
6	MicroRNA-17-5p promotes chemotherapeutic drug resistance and tumour metastasis of colorectal cancer by repressing PTEN expression. <i>Oncotarget</i> , 2014, 5, 2974-2987.	0.8	195
7	Purified Anthocyanin Supplementation Improves Endothelial Function via NO-cGMP Activation in Hypercholesterolemic Individuals. <i>Clinical Chemistry</i> , 2011, 57, 1524-1533.	1.5	193
8	The WNT signalling pathway and diabetes mellitus. <i>Diabetologia</i> , 2008, 51, 1771-1780.	2.9	167
9	Minireview: The Wnt Signaling Pathway Effector TCF7L2 and Type 2 Diabetes Mellitus. <i>Molecular Endocrinology</i> , 2008, 22, 2383-2392.	3.7	164
10	Oltipraz upregulates the nuclear respiratory factor 2 alpha subunit (NRF2) antioxidant system and prevents insulin resistance and obesity induced by a high-fat diet in C57BL/6J mice. <i>Diabetologia</i> , 2011, 54, 922-934.	2.9	151
11	Type I interferon responses drive intrahepatic T cells to promote metabolic syndrome. <i>Science Immunology</i> , 2017, 2, .	5.6	135
12	Protocatechuic Acid, a Metabolite of Anthocyanins, Inhibits Monocyte Adhesion and Reduces Atherosclerosis in Apolipoprotein E-Deficient Mice. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 12722-12728.	2.4	134
13	Cross Talk between the Insulin and Wnt Signaling Pathways: Evidence from Intestinal Endocrine L Cells. <i>Endocrinology</i> , 2008, 149, 2341-2351.	1.4	127
14	The Wnt Signaling Pathway Effector TCF7L2 Controls Gut and Brain Proglucagon Gene Expression and Glucose Homeostasis. <i>Diabetes</i> , 2013, 62, 789-800.	0.3	98
15	Current Understanding on Role of the Wnt Signaling Pathway Effector TCF7L2 in Glucose Homeostasis. <i>Endocrine Reviews</i> , 2016, 37, 254-277.	8.9	93
16	Examination of POU homeobox gene expression in human breast cancer cells. , 1999, 81, 104-112.		90
17	Curcumin and other dietary polyphenols: potential mechanisms of metabolic actions and therapy for diabetes and obesity. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2018, 314, E201-E205.	1.8	87
18	The involvement of the wnt signaling pathway and TCF7L2 in diabetes mellitus: The current understanding, dispute, and perspective. <i>Cell and Bioscience</i> , 2012, 2, 28.	2.1	83

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19	Nucleic Acid-Targeting Pathways Promote Inflammation in Obesity-Related Insulin Resistance. <i>Cell Reports</i> , 2016, 16, 717-730.	2.9	77
20	The incretin hormone GLP-1 and mechanisms underlying its secretion. <i>Journal of Diabetes</i> , 2016, 8, 753-765.	0.8	72
21	Transcriptional Activation of the Proglucagon Gene by Lithium and $\beta$ -Catenin in Intestinal Endocrine L Cells. <i>Journal of Biological Chemistry</i> , 2003, 278, 1380-1387.	1.6	71
22	Curcumin represses mouse 3T3-L1 cell adipogenic differentiation via inhibiting miR-17-5p and stimulating the Wnt signalling pathway effector Tcf7l2. <i>Cell Death and Disease</i> , 2018, 8, e2559-e2559.	2.7	69
23	The Wnt signaling pathway effector TCF7L2 is upregulated by insulin and represses hepatic gluconeogenesis. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2012, 303, E1166-E1176.	1.8	64
24	Mechanisms underlying proglucagon gene expression. <i>Journal of Endocrinology</i> , 2008, 198, 17-28.	1.2	63
25	Dietary Curcumin Intervention Targets Mouse White Adipose Tissue Inflammation and Brown Adipose Tissue UCP1 Expression. <i>Obesity</i> , 2018, 26, 547-558.	1.5	62
26	Epigenetic regulation of TXNIP-mediated oxidative stress and NLRP3 inflammasome activation contributes to SAHH inhibition-aggravated diabetic nephropathy. <i>Redox Biology</i> , 2021, 45, 102033.	3.9	60
27	The POU homeodomain protein OCT3 as a potential transcriptional activator for fibroblast growth factor-4 (FGF-4) in human breast cancer cells. <i>Biochemical Journal</i> , 2003, 375, 199-205.	1.7	59
28	Cell Type-specific Autoregulation of the Caudal-related Homeobox Gene Cdx-2/3. <i>Journal of Biological Chemistry</i> , 1999, 274, 34310-34316.	1.6	58
29	Cyclic AMP signaling stimulates proteasome degradation of thioredoxin interacting protein (TxNIP) in pancreatic $\beta$ -cells. <i>Cellular Signalling</i> , 2010, 22, 1240-1246.	1.7	57
30	New insights into the role of cAMP in the production and function of the incretin hormone glucagon-like peptide-1 (GLP-1). <i>Cellular Signalling</i> , 2010, 22, 1-8.	1.7	56
31	Cerebrovascular Safety of Sulfonylureas: The Role of KATP Channels in Neuroprotection and the Risk of Stroke in Patients With Type 2 Diabetes. <i>Diabetes</i> , 2016, 65, 2795-2809.	0.3	56
32	Both Wnt and mTOR signaling pathways are involved in insulin-stimulated proto-oncogene expression in intestinal cells. <i>Cellular Signalling</i> , 2008, 20, 219-229.	1.7	52
33	The role of insulin signaling in the development of $\beta$ -cell dysfunction and diabetes. <i>Islets</i> , 2009, 1, 95-101.	0.9	51
34	GLP-1(28-36) improves $\beta$ -cell mass and glucose disposal in streptozotocin-induced diabetic mice and activates cAMP/PKA/ $\beta$ -catenin signaling in $\beta$ -cells in vitro. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2013, 304, E1263-E1272.	1.8	51
35	Hepatic functions of GLP-1 and its based drugs: current disputes and perspectives. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2016, 311, E620-E627.	1.8	49
36	Liver-derived fibroblast growth factor 21 mediates effects of glucagon-like peptide-1 in attenuating hepatic glucose output. <i>EBioMedicine</i> , 2019, 41, 73-84.	2.7	49

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37	Liver-Specific Expression of Dominant-Negative Transcription Factor 7-Like 2 Causes Progressive Impairment in Glucose Homeostasis. <i>Diabetes</i> , 2015, 64, 1923-1932.	0.3	48
38	Role of the Exchange Protein Directly Activated by Cyclic Adenosine 5'-Monophosphate (Epac) Pathway in Regulating Proglucagon Gene Expression in Intestinal Endocrine L Cells. <i>Endocrinology</i> , 2006, 147, 3727-3736.	1.4	45
39	The Caudal Homeobox Protein cdx-2/3 Activates Endogenous Proglucagon Gene Expression in InR1-C9 Islet Cells. <i>Molecular Endocrinology</i> , 1997, 11, 203-209.	3.7	44
40	Diet polyphenol curcumin stimulates hepatic Fgf21 production and restores its sensitivity in high fat diet fed male mice. <i>Endocrinology</i> , 2016, 158, Jc.2016.1596.	1.4	44
41	p21-Activated protein kinases and their emerging roles in glucose homeostasis. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2014, 306, E707-E722.	1.8	39
42	The Rho Guanosine 5'-Triphosphatase, Cell Division Cycle 42, Is Required for Insulin-Induced Actin Remodeling and Glucagon-Like Peptide-1 Secretion in the Intestinal Endocrine L Cell. <i>Endocrinology</i> , 2009, 150, 5249-5261.	1.4	38
43	The role of the Wnt signaling pathway in incretin hormone production and function. <i>Frontiers in Physiology</i> , 2012, 3, 273.	1.3	38
44	P21-Activated Protein Kinase 1 (Pak1) Mediates the Cross Talk between Insulin and $\beta$ -Catenin on Proglucagon Gene Expression and Its Ablation Affects Glucose Homeostasis in Male C57BL/6 Mice. <i>Endocrinology</i> , 2013, 154, 77-88.	1.4	37
45	GLP-1-derived nonapeptide GLP-1(28-36)amide represses hepatic gluconeogenic gene expression and improves pyruvate tolerance in high-fat diet-fed mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2013, 305, E1348-E1358.	1.8	34
46	Investigation of Mitochondrial Transmission in Selected Matings between Homokaryons from Commercial and Wild-Collected Isolates of <i>Agaricus bisporus</i> (= <i>Agaricus brunnescens</i> ). <i>Applied and Environmental Microbiology</i> , 1992, 58, 3553-3560.	1.4	34
47	PKA independent and cell type specific activation of the expression of caudal homeobox gene Cdx-2 by cyclic AMP. <i>FEBS Journal</i> , 2005, 272, 2746-2759.	2.2	33
48	POU Homeodomain Protein Oct-1 Functions as a Sensor for Cyclic AMP. <i>Journal of Biological Chemistry</i> , 2009, 284, 26456-26465.	1.6	33
49	Combined Oral Administration of GABA and DPP-4 Inhibitor Prevents Beta Cell Damage and Promotes Beta Cell Regeneration in Mice. <i>Frontiers in Pharmacology</i> , 2017, 8, 362.	1.6	33
50	Epac is involved in cAMP-stimulated proglucagon expression and hormone production but not hormone secretion in pancreatic $\beta$ - and intestinal L-cell lines. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2009, 296, E174-E181.	1.8	32
51	POU Homeodomain Protein OCT1 Is Implicated in the Expression of the Caudal-related Homeobox Gene Cdx-2. <i>Journal of Biological Chemistry</i> , 2001, 276, 14752-14758.	1.6	31
52	Short-Term Curcumin Gavage Sensitizes Insulin Signaling in Dexamethasone-Treated C57BL/6 Mice. <i>Journal of Nutrition</i> , 2015, 145, 2300-2307.	1.3	31
53	Characterization of a novel silencer element in the human aromatase gene PII promoter. <i>Breast Cancer Research and Treatment</i> , 2000, 62, 151-159.	1.1	30
54	Why diabetes patients are more prone to the development of colon cancer?. <i>Medical Hypotheses</i> , 2008, 71, 241-244.	0.8	30

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55	Identification of Domains Mediating Transcriptional Activation and Cytoplasmic Export in the Caudal Homeobox Protein Cdx-3. <i>Journal of Biological Chemistry</i> , 1999, 274, 6011-6019.	1.6	28
56	Inhibition of Dexamethasone-induced Fatty Liver Development by Reducing miR-17-5p Levels. <i>Molecular Therapy</i> , 2015, 23, 1222-1233.	3.7	28
57	Uniparental Mitochondrial Transmission in the Cultivated Button Mushroom, <i>Agaricus bisporus</i> . <i>Applied and Environmental Microbiology</i> , 1994, 60, 4456-4460.	1.4	28
58	Insulin Stimulates the Expression of Carbohydrate Response Element Binding Protein (ChREBP) by Attenuating the Repressive Effect of Pit-1, Oct-1/Oct-2, and Unc-86 Homeodomain Protein Octamer Transcription Factor-1. <i>Endocrinology</i> , 2009, 150, 3483-3492.	1.4	25
59	The developmental Wnt signaling pathway effector $\beta$ -catenin/TCF mediates hepatic functions of the sex hormone estradiol in regulating lipid metabolism. <i>PLoS Biology</i> , 2019, 17, e3000444.	2.6	25
60	The expression of dominant negative TCF7L2 in pancreatic beta cells during the embryonic stage causes impaired glucose homeostasis. <i>Molecular Metabolism</i> , 2015, 4, 344-352.	3.0	23
61	Friend or foe? ACE2 inhibitors and GLP-1R agonists in COVID-19 treatment. <i>Obesity Medicine</i> , 2021, 22, 100312.	0.5	23
62	Abnormal splicing of SHP-1 protein tyrosine phosphatase in human T cells. <i>Experimental Hematology</i> , 2003, 31, 131-142.	0.2	22
63	Insulin treatment and high-fat diet feeding reduces the expression of three Tcf genes in rodent pancreas. <i>Journal of Endocrinology</i> , 2010, 207, 77-86.	1.2	22
64	New insight into the mechanisms underlying the function of the incretin hormone glucagon-like peptide-1 in pancreatic $\beta$ -cells. <i>Islets</i> , 2012, 4, 359-365.	0.9	22
65	Hepatic Fibroblast Growth Factor 21 Is Involved in Mediating Functions of Liraglutide in Mice With Dietary Challenge. <i>Hepatology</i> , 2021, 74, 2154-2169.	3.6	22
66	Insulin alters the expression of components of the Wnt signaling pathway including TCF-4 in the intestinal cells. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2010, 1800, 344-351.	1.1	21
67	Combined use of GABA and sitagliptin promotes human $\beta$ -cell proliferation and reduces apoptosis. <i>Journal of Endocrinology</i> , 2021, 248, 133-143.	1.2	21
68	Further characterization of a large inverted repeat in the mitochondrial genomes of <i>Agaricus bisporus</i> (=A. brunnescens) and related species. <i>Current Genetics</i> , 1993, 23, 228-233.	0.8	20
69	Letter to the editor: Comment on GLP-1-based drugs and COVID-19 treatment. <i>Acta Pharmaceutica Sinica B</i> , 2020, 10, 1249-1250.	5.7	19
70	The LIM homeodomain protein ISL1 mediates the function of TCF7L2 in pancreatic beta cells. <i>Journal of Molecular Endocrinology</i> , 2018, 61, 1-12.	1.1	18
71	Activation of cAMP Signaling Attenuates Impaired Hepatic Glucose Disposal in Aged Male p21-Activated Protein Kinase-1 Knockout Mice. <i>Endocrinology</i> , 2014, 155, 2122-2132.	1.4	17
72	Glucagon-like peptide-1 receptor mediates the beneficial effect of liraglutide in an acute lung injury mouse model involving the thioredoxin-interacting protein. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2020, 319, E568-E578.	1.8	16

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73	Oct-1 functions as a sensor for metabolic and stress signals. <i>Islets</i> , 2010, 2, 46-48.	0.9	15
74	A thorough analysis of diabetes research in China from 1995 to 2015: current scenario and future scope. <i>Science China Life Sciences</i> , 2019, 62, 46-62.	2.3	15
75	Dietary Cyanidin-3-Glucoside Attenuates High-Fat-Diet-Induced Body-Weight Gain and Impairment of Glucose Tolerance in Mice via Effects on the Hepatic Hormone FGF21. <i>Journal of Nutrition</i> , 2020, 150, 2101-2111.	1.3	15
76	Hepatic hormone FGF21 and its analogues in clinical trials. <i>Chronic Diseases and Translational Medicine</i> , 2022, 8, 19-25.	0.9	15
77	Extracellular high dosages of adenosine triphosphate induce inflammatory response and insulin resistance in rat adipocytes. <i>Biochemical and Biophysical Research Communications</i> , 2010, 402, 455-460.	1.0	14
78	Characterization of SHP-1 protein tyrosine phosphatase transcripts, protein isoforms and phosphatase activity in epithelial cancer cells. <i>Genomics</i> , 2013, 102, 491-499.	1.3	13
79	SIRT1 activation attenuates $\beta$ cell hyperplasia, hyperglucagonaemia and hyperglycaemia in STZ-diabetic mice. <i>Scientific Reports</i> , 2018, 8, 13972.	1.6	13
80	A site-specific genomic integration strategy for sustained expression of glucagon-like peptide-1 in mouse muscle for controlling energy homeostasis. <i>Biochemical and Biophysical Research Communications</i> , 2010, 403, 172-177.	1.0	11
81	Mechanisms underlying the metabolic beneficial effect of curcumin intervention: Beyond anti-inflammation and anti-oxidative stress. <i>Obesity Medicine</i> , 2019, 13, 1-5.	0.5	11
82	Estrogen-Wnt signaling cascade regulates expression of hepatic fibroblast growth factor 21. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2021, 321, E292-E304.	1.8	11
83	GABA requires GLP-1R to exert its pancreatic function during STZ challenge. <i>Journal of Endocrinology</i> , 2020, 246, 207-222.	1.2	11
84	Urease activity related to the growth and differentiation of swarmer cells of <i>Proteus mirabilis</i> . <i>Canadian Journal of Microbiology</i> , 1987, 33, 300-303.	0.8	10
85	The anti-inflammatory feature of glucagon-like peptide-1 and its based diabetes drugs' Therapeutic potential exploration in lung injury. <i>Acta Pharmaceutica Sinica B</i> , 2022, 12, 4040-4055.	5.7	10
86	Pbx1 is a co-factor for Cdx-2 in regulating proglucagon gene expression in pancreatic A cells. <i>Molecular and Cellular Endocrinology</i> , 2006, 249, 140-149.	1.6	9
87	Redundant and Synergistic Effect of Cdx-2 and Brn-4 on Regulating Proglucagon Gene Expression. <i>Endocrinology</i> , 2006, 147, 1950-1958.	1.4	9
88	The Blimp-1 gene regulatory region directs EGFP expression in multiple hematopoietic lineages and testis in mice. <i>Transgenic Research</i> , 2008, 17, 193-203.	1.3	9
89	Insulin detemir enhances proglucagon gene expression in the intestinal L cells via stimulating $\beta$ -catenin and CREB activities. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2012, 303, E740-E751.	1.8	9
90	Novel GLP-1 Analog Supaglutide Stimulates Insulin Secretion in Mouse and Human Islet Beta-Cells and Improves Glucose Homeostasis in Diabetic Mice. <i>Frontiers in Physiology</i> , 2019, 10, 930.	1.3	9

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91	Current understanding and dispute on the function of the Wnt signaling pathway effector TCF7L2 in hepatic gluconeogenesis. <i>Genes and Diseases</i> , 2016, 3, 48-55.	1.5	8
92	Comparison of Beneficial Metabolic Effects of Liraglutide and Semaglutide in Male C57BL/6J Mice. <i>Canadian Journal of Diabetes</i> , 2022, 46, 216-224.e2.	0.4	7
93	Current understanding and controversies on the clinical implications of fibroblast growth factor 21. <i>Critical Reviews in Clinical Laboratory Sciences</i> , 2021, 58, 311-328.	2.7	7
94	Role of Cdx-2 in insulin and proglucagon gene expression: a study using the RIN-1056A cell line with an inducible gene expression system. <i>Journal of Endocrinology</i> , 2005, 186, 179-192.	1.2	6
95	Pak1 mediates the stimulatory effect of insulin and curcumin on hepatic ChREBP expression. <i>Journal of Molecular Cell Biology</i> , 2017, 9, 384-394.	1.5	6
96	Actin filament associated protein mediates c-Src related SRE/AP-1 transcriptional activation. <i>FEBS Letters</i> , 2011, 585, 471-477.	1.3	5
97	Liraglutide stimulates the $\beta$ -catenin signaling cascade in mouse epididymal fat tissue. <i>Journal of Molecular Endocrinology</i> , 2022, 69, 343-356.	1.1	4
98	Further studies of swarmer cell differentiation of <i>Proteus mirabilis</i> PM23: a requirement for iron and zinc. <i>Canadian Journal of Microbiology</i> , 1988, 34, 588-593.	0.8	3
99	Current Knowledge on the Role of Wnt Signaling Pathway in Glucose Homeostasis. , 2016, , 357-369.		2
100	Moderate preventative effect with intraperitoneal liraglutide injection in high-fat diet induced C57BL/6J obese mouse model. <i>Obesity Medicine</i> , 2019, 16, 100153.	0.5	2
101	Brain function of the metabolic hormone fibroblast growth factor 21. <i>Obesity Medicine</i> , 2020, 17, 100155.	0.5	1
102	370-OR: Hepatic FGF21 Expression Is Under the Regulation of the Canonical Wnt Signaling Pathway. <i>Diabetes</i> , 2020, 69, .	0.3	1
103	Transcriptional Regulation of ChREBP Expression: Controlling a Key Player in Lipogenesis. <i>Canadian Journal of Diabetes</i> , 2008, 32, 312.	0.4	0
104	Role of cyclic AMP signaling in the production and function of the incretin hormone glucagon-like peptide-1. <i>Science Foundation in China</i> , 2009, 16, 23-35.	0.3	0
105	TCF7L2 and Wnt Signalling Positively Regulate Leptin Gene Expression in Adipocytes. <i>Canadian Journal of Diabetes</i> , 2014, 38, S3.	0.4	0
106	Stroke risk in treatment of type 2 diabetes in China: a 7 year retrospective cohort study. <i>Lancet Diabetes and Endocrinology</i> , 2016, 4, S15.	5.5	0
107	Hormones that are involved in metabolic homeostasis: Overview of the past century and future perspectives. <i>Obesity Medicine</i> , 2022, 32, 100422.	0.5	0