Xiao Han

List of Publications by Year in Descending Order

84 papers	1,671 citations	24 h-index	37 g-index
93 ext. papers	2,015 ext. citations	5.1 avg, IF	4.48 L-index

#	Paper	IF	Citations
84	The Application of Brain Organoids in Assessing Neural Toxicity.. *Frontiers in Molecular Neuroscience*, **2022**, 15, 799397	6.1	0
83	miR-25 and miR-92b regulate insulin biosynthesis and pancreatic β-cell apoptosis.. *Endocrine*, **2022**, 1	4	0
82	Abnormal mitochondria in Down syndrome iPSC-derived GABAergic interneurons and organoids.. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2022**, 166388	6.9	1
81	Glycyrrhizic acid promotes sciatic nerves recovery in type 1 diabetic rats and protects Schwann cells from high glucose-induced cytotoxicity.. *Journal of Biomedical Research*, **2022**, 1-14	1.5	0
80	E26 transformation-specific 1 is implicated in the inhibition of osteogenic differentiation induced by chronic high glucose by directly regulating Runx2 expression.. *Journal of Biomedical Research*, **2021**, 36, 39-47	1.5	
79	Three-dimensional cell-culture platform based on hydrogel with tunable microenvironmental properties to improve insulin-secreting function of MIN6 cells. *Biomaterials*, **2021**, 270, 120687	15.6	11
78	ADP Induces Blood Glucose Through Direct and Indirect Mechanisms in Promotion of Hepatic Gluconeogenesis by Elevation of NADH. *Frontiers in Endocrinology*, **2021**, 12, 663530	5.7	3
77	Lentinan protects against pancreatic β-cell failure in chronic ethanol consumption-induced diabetic mice via enhancing β-cell antioxidant capacity. *Journal of Cellular and Molecular Medicine*, **2021**, 25, 6161	5.6	2
76	Exploiting D receptor β-arrestin2-biased signalling to suppress tumour growth of pituitary adenomas. *British Journal of Pharmacology*, **2021**, 178, 3570-3586	8.6	0
75	Novel Bioactive Glass-Modified Hybrid Composite Resin: Mechanical Properties, Biocompatibility, and Antibacterial and Remineralizing Activity. *Frontiers in Bioengineering and Biotechnology*, **2021**, 9, 661734	5.8	2
74	M1 macrophage-derived exosomes impair beta cell insulin secretion via miR-212-5p by targeting SIRT2 and inhibiting Akt/GSK-3β/β-catenin pathway in mice. *Diabetologia*, **2021**, 64, 2037-2051	10.3	9
73	Expression of miRNA-29 in Pancreatic β-Cells Promotes Inflammation and Diabetes via TRAF3. *Cell Reports*, **2021**, 34, 108576	10.6	19
72	PPA1 Regulates Systemic Insulin Sensitivity by Maintaining Adipocyte Mitochondria Function as a Novel PPARγ Target Gene. *Diabetes*, **2021**, 70, 1278-1291	0.9	1
71	Multicellular Spheroids Formation on Hydrogel Enhances Osteogenic/Odontogenic Differentiation of Dental Pulp Stem Cells Under Magnetic Nanoparticles Induction. *International Journal of Nanomedicine*, **2021**, 16, 5101-5115	7.3	3
70	Protocol for in vivo and ex vivo assessments of glucose-stimulated insulin secretion in mouse islet β cells. *STAR Protocols*, **2021**, 2, 100728	1.4	1
69	HRD1, an Important Player in Pancreatic β-Cell Failure and Therapeutic Target for Type 2 Diabetic Mice. *Diabetes*, **2020**, 69, 940-953	0.9	9
68	Inhibition of heparanase protects against pancreatic beta cell death in streptozotocin-induced diabetic mice via reducing intra-islet inflammatory cell infiltration. *British Journal of Pharmacology*, **2020**, 177, 4433-4447	8.6	5

67	Death versus dedifferentiation: The molecular bases of beta cell mass reduction in type 2 diabetes. *Seminars in Cell and Developmental Biology*, **2020**, 103, 76-82	7.5	12
66	Inhibition of miR-153, an IL-1β-responsive miRNA, prevents beta cell failure and inflammation-associated diabetes. *Metabolism: Clinical and Experimental*, **2020**, 111, 154335	12.7	6
65	Methylenetetrahydrofolate reductase C677T polymorphism and diabetic retinopathy risk: a meta-analysis of the Chinese population. *Journal of International Medical Research*, **2020**, 48, 300060518816834	1.4	1
64	The inherited variations of a p53-responsive enhancer in 13q12.12 confer lung cancer risk by attenuating TNFRSF19 expression. *Genome Biology*, **2019**, 20, 103	18.3	14
63	Ets-1 deficiency alleviates nonalcoholic steatohepatitis via weakening TGF-β1 signaling-mediated hepatocyte apoptosis. *Cell Death and Disease*, **2019**, 10, 458	9.8	7
62	The effect of exogenous melatonin on reducing scoliotic curvature and improving bone quality in melatonin-deficient C57BL/6J mice. *Scientific Reports*, **2019**, 9, 6202	4.9	8
61	Ets1-Mediated Acetylation of FoxO1 Is Critical for Gluconeogenesis Regulation during Feed-Fast Cycles. *Cell Reports*, **2019**, 26, 2998-3010.e5	10.6	17
60	Comparison of postoperative complications between different operation methods for esophageal cancer. *Thoracic Cancer*, **2019**, 10, 1669-1672	3.2	3
59	MicroRNA-24 promotes pancreatic beta cells toward dedifferentiation to avoid endoplasmic reticulum stress-induced apoptosis. *Journal of Molecular Cell Biology*, **2019**, 11, 747-760	6.3	21
58	Hepatic c-Jun regulates glucose metabolism via FGF21 and modulates body temperature through the neural signals. *Molecular Metabolism*, **2019**, 20, 138-148	8.8	8
57	SAD-A, a downstream mediator of GLP-1 signaling, promotes the phosphorylation of Bad S155 to regulate in-vitro β-cell functions. *Biochemical and Biophysical Research Communications*, **2019**, 509, 76-81	3.4	5
56	Two Novel MicroRNA Biomarkers Related to β-Cell Damage and Their Potential Values for Early Diagnosis of Type 1 Diabetes. *Journal of Clinical Endocrinology and Metabolism*, **2018**, 103, 1320-1329	5.6	9
55	Ophiopogonin D alleviates high-fat diet-induced metabolic syndrome and changes the structure of gut microbiota in mice. *FASEB Journal*, **2018**, 32, 1139-1153	0.9	23
54	Glucolipotoxicity-Inhibited Regulates Pancreatic β-Cell Function and Survival. *Diabetes*, **2018**, 67, 2280-2292	8.9	17
53	Novel HSPG2 mutations causing Schwartz-Jampel syndrome type 1 in a Chinese family: A case report. *Molecular Medicine Reports*, **2018**, 18, 1761-1765	2.9	2
52	Upregulation of MiR-126 Delays the Senescence of Human Glomerular Mesangial Cells Induced by High Glucose via Telomere-p53-p21-Rb Signaling Pathway. *Current Medical Science*, **2018**, 38, 758-764	2.8	13
51	Tumor-penetrating peptide fused to a pro-apoptotic peptide facilitates effective gastric cancer therapy. *Oncology Reports*, **2017**, 37, 2063-2070	3.5	17
50	Luteolin improves non-alcoholic fatty liver disease in db/db mice by inhibition of liver X receptor activation to down-regulate expression of sterol regulatory element binding protein 1c. *Biochemical and Biophysical Research Communications*, **2017**, 482, 720-726	3.4	32

49	sTRAIL-iRGD is a promising therapeutic agent for gastric cancer treatment. *Scientific Reports*, **2017**, 7, 579	4.9	12
48	Deletion of ATF4 in AgRP Neurons Promotes Fat Loss Mainly via Increasing Energy Expenditure. *Diabetes*, **2017**, 66, 640-650	0.9	20
47	TIMP-1 and CD82, a promising combined evaluation marker for PDAC. *Oncotarget*, **2017**, 8, 6496-6512	3.3	10
46	Follicular hyperandrogenism and insulin resistance in polycystic ovary syndrome patients with normal circulating testosterone levels. *Journal of Biomedical Research*, **2017**,	1.5	3
45	Lentinan protects pancreatic β cells from STZ-induced damage. *Journal of Cellular and Molecular Medicine*, **2016**, 20, 1803-12	5.6	37
44	Fasting induces a subcutaneous-to-visceral fat switch mediated by microRNA-149-3p and suppression of PRDM16. *Nature Communications*, **2016**, 7, 11533	17.4	42
43	A Presenilin/Notch1 pathway regulated by miR-375, miR-30a, and miR-34a mediates glucotoxicity induced-pancreatic beta cell apoptosis. *Scientific Reports*, **2016**, 6, 36136	4.9	7
42	Epigallocatechin-3-Gallate Inhibits Ethanol-Induced Apoptosis Through Neurod1 Regulating CHOP Expression in Pancreatic βCells. *Anatomical Record*, **2016**, 299, 573-82	2.1	6
41	The heterogeneity of islet autoantibodies and the progression of islet failure in type 1 diabetic patients. *Science China Life Sciences*, **2016**, 59, 930-9	8.5	6
40	Transcription factor Ets-1 links glucotoxicity to pancreatic beta cell dysfunction through inhibiting PDX-1 expression in rodent models. *Diabetologia*, **2016**, 59, 316-24	10.3	33
39	Type 2 diabetes mitigation in the diabetic Goto-Kakizaki rat by elevated bile acids following a common-bile-duct surgery. *Metabolism: Clinical and Experimental*, **2016**, 65, 78-88	12.7	7
38	Pdcd2l Promotes Palmitate-Induced Pancreatic Beta-Cell Apoptosis as a FoxO1 Target Gene. *PLoS ONE*, **2016**, 11, e0166692	3.7	8
37	LncRNA H19 confers chemoresistance in ERβpositive breast cancer through epigenetic silencing of the pro-apoptotic gene BIK. *Oncotarget*, **2016**, 7, 81452-81462	3.3	96
36	ERβpropelled aberrant global DNA hypermethylation by activating the DNMT1 gene to enhance anticancer drug resistance in human breast cancer cells. *Oncotarget*, **2016**, 7, 20966-80	3.3	14
35	Decrease in Circulating Fatty Acids Is Associated with Islet Dysfunction in Chronically Sleep-Restricted Rats. *International Journal of Molecular Sciences*, **2016**, 17,	6.3	8
34	In silico investigation of agonist activity of a structurally diverse set of drugs to hPXR using HM-BSM and HM-PNN. *Journal of Huazhong University of Science and Technology [Medical Sciences]*, **2016**, 36, 463-468		0
33	LXR activation causes G1/S arrest through inhibiting SKP2 expression in MIN6 pancreatic beta cells. *Endocrine*, **2016**, 53, 689-700	4	1
32	Adipocyte-derived microvesicles from obese mice induce M1 macrophage phenotype through secreted miR-155. *Journal of Molecular Cell Biology*, **2016**, 8, 505-517	6.3	98

31	GGPPS-mediated Rab27A geranylgeranylation regulates β-cell dysfunction during type 2 diabetes development by affecting insulin granule docked pool formation. *Journal of Pathology*, **2016**, 238, 109-19	9.4	31
30	Metabolomic profiles reveal key metabolic changes in heat stress-treated mouse Sertoli cells. *Toxicology in Vitro*, **2015**, 29, 1745-52	3.6	23
29	Forkhead box O1 mediates defects in palmitate-induced insulin granule exocytosis by downregulation of calcium/calmodulin-dependent serine protein kinase expression in INS-1 cells. *Diabetologia*, **2015**, 58, 1272-81	10.3	13
28	Tetraspanin CD82: a suppressor of solid tumors and a modulator of membrane heterogeneity. *Cancer and Metastasis Reviews*, **2015**, 34, 619-33	9.6	22
27	The Metabolic Regulator Histone Deacetylase 9 Contributes to Glucose Homeostasis Abnormality Induced by Hepatitis C Virus Infection. *Diabetes*, **2015**, 64, 4088-98	0.9	34
26	Increased androgen levels in rats impair glucose-stimulated insulin secretion through disruption of pancreatic beta cell mitochondrial function. *Journal of Steroid Biochemistry and Molecular Biology*, **2015**, 154, 254-66	5.1	33
25	Inflamed macrophage microvesicles induce insulin resistance in human adipocytes. *Nutrition and Metabolism*, **2015**, 12, 21	4.6	50
24	SATB1 Mediates Long-Range Chromatin Interactions: A Dual Regulator of Anti-Apoptotic BCL2 and Pro-Apoptotic NOXA Genes. *PLoS ONE*, **2015**, 10, e0139170	3.7	9
23	Aldosterone induces clonal β-cell failure through glucocorticoid receptor. *Scientific Reports*, **2015**, 5, 13215	4.9	15
22	ERβ directly activated the MDR1 transcription to increase paclitaxel-resistance of ERβ positive breast cancer cells in vitro and in vivo. *International Journal of Biochemistry and Cell Biology*, **2014**, 53, 35-45	5.6	23
21	MicroRNA-24/MODY gene regulatory pathway mediates pancreatic β-cell dysfunction. *Diabetes*, **2013**, 62, 3194-206	0.9	58
20	SAD-A potentiates glucose-stimulated insulin secretion as a mediator of glucagon-like peptide 1 response in pancreatic β-cells. *Molecular and Cellular Biology*, **2013**, 33, 2527-34	4.8	20
19	SAD-A kinase controls islet β-cell size and function as a mediator of mTORC1 signaling. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 13857-62	11.5	29
18	Synapses of amphids defective (SAD-A) kinase promotes glucose-stimulated insulin secretion through activation of p21-activated kinase (PAK1) in pancreatic β-Cells. *Journal of Biological Chemistry*, **2012**, 287, 26435-44	5.4	28
17	Growth of the pancreatic cancer cell line PANC-1 is inhibited by protein phosphatase 2A inhibitors through overactivation of the c-Jun N-terminal kinase pathway. *European Journal of Cancer*, **2011**, 47, 2654-64	7.5	37
16	Inhibition of the receptor for advanced glycation endproducts (RAGE) protects pancreatic β-cells. *Biochemical and Biophysical Research Communications*, **2011**, 404, 159-65	3.4	56
15	Upregulation of mdr1 gene is related to activation of the MAPK/ERK signal transduction pathway and YB-1 nuclear translocation in B-cell lymphoma. *Experimental Hematology*, **2011**, 39, 558-69	3.1	56
14	Identification of master regulator candidates for diabetes progression in Goto-Kakizaki Rat by a computational procedure **2011**,		1

13	Dynamic regulation of PDX-1 and FoxO1 expression by FoxA2 in dexamethasone-induced pancreatic □cells dysfunction. *Endocrinology*, **2011**, 152, 1779-88	4.8	21
12	Cantharidin, a potent and selective PP2A inhibitor, induces an oxidative stress-independent growth inhibition of pancreatic cancer cells through G2/M cell-cycle arrest and apoptosis. *Cancer Science*, **2010**, 101, 1226-33	6.9	141
11	Palmitate-induced inhibition of insulin gene expression in rat islet □cells involves the ceramide transport protein. *Cellular Physiology and Biochemistry*, **2010**, 26, 717-28	3.9	21
10	Resveratrol prevents interleukin-1□nduced dysfunction of pancreatic □cells. *Journal of Biomedical Research*, **2010**, 24, 381-8	1.5	10
9	Inhibition of forkhead box O1 protects pancreatic beta-cells against dexamethasone-induced dysfunction. *Endocrinology*, **2009**, 150, 4065-73	4.8	29
8	Forkhead box O1/pancreatic and duodenal homeobox 1 intracellular translocation is regulated by c-Jun N-terminal kinase and involved in prostaglandin E2-induced pancreatic beta-cell dysfunction. *Endocrinology*, **2009**, 150, 5284-93	4.8	24
7	Celecoxib enhanced the sensitivity of cancer cells to anticancer drugs by inhibition of the expression of P-glycoprotein through a COX-2-independent manner. *Journal of Cellular Biochemistry*, **2009**, 108, 181-94	4.7	28
6	Gefitinib inhibits the proliferation of pancreatic cancer cells via cell cycle arrest. *Anatomical Record*, **2009**, 292, 1122-7	2.1	25
5	JNK/AP-1 pathway is involved in tumor necrosis factor-alpha induced expression of vascular endothelial growth factor in MCF7 cells. *Biomedicine and Pharmacotherapy*, **2009**, 63, 429-35	7.5	36
4	Islet neogenesis-associated protein-related pentadecapeptide enhances the differentiation of islet-like clusters from human pancreatic duct cells. *Peptides*, **2009**, 30, 2242-9	3.8	16
3	Several transcription factors regulate COX-2 gene expression in pancreatic beta-cells. *Molecular Biology Reports*, **2007**, 34, 199-206	2.8	28
2	Co-culture with fat cells induces cellular insulin resistance in primary hepatocytes. *Biochemical and Biophysical Research Communications*, **2006**, 345, 976-83	3.4	33
1	Induction of cyclooxygenase-2 gene in pancreatic beta-cells by 12-lipoxygenase pathway product 12-hydroxyeicosatetraenoic acid. *Molecular Endocrinology*, **2002**, 16, 2145-54		31