

Weiping Han

List of Publications by Year in descending order

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Version: 2024-02-01

80
papers

3,675
citations

136950

32
h-index

144013

57
g-index

82
all docs

82
docs citations

82
times ranked

8639
citing authors

#	ARTICLE	IF	CITATIONS
1	Pancreatic regulation of glucose homeostasis. <i>Experimental and Molecular Medicine</i> , 2016, 48, e219-e219.	7.7	541
2	Synaptotagmin VII as a Plasma Membrane Ca ²⁺ Sensor in Exocytosis. <i>Neuron</i> , 2001, 30, 459-473.	8.1	207
3	Impaired insulin secretion and glucose intolerance in synaptotagmin-7 null mutant mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 3992-3997.	7.1	165
4	Loss of BCAA Catabolism during Carcinogenesis Enhances mTORC1 Activity and Promotes Tumor Development and Progression. <i>Cell Metabolism</i> , 2019, 29, 1151-1165.e6.	16.2	144
5	Identification of Specific Cell-Surface Markers of Adipose-Derived Stem Cells from Subcutaneous and Visceral Fat Depots. <i>Stem Cell Reports</i> , 2014, 2, 171-179.	4.8	135
6	Wip1-Dependent Regulation of Autophagy, Obesity, and Atherosclerosis. <i>Cell Metabolism</i> , 2012, 16, 68-80.	16.2	124
7	Linking type 2 diabetes and Alzheimer's disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 6557-6558.	7.1	94
8	O-GlcNAc as an Integrator of Signaling Pathways. <i>Frontiers in Endocrinology</i> , 2018, 9, 599.	3.5	94
9	Synaptotagmin ⁷ is a principal Ca ²⁺ sensor for Ca ²⁺ -induced glucagon exocytosis in pancreas. <i>Journal of Physiology</i> , 2009, 587, 1169-1178.	2.9	87
10	Calcium Triggers Exocytosis from Two Types of Organelles in a Single Astrocyte. <i>Journal of Neuroscience</i> , 2011, 31, 10593-10601.	3.6	86
11	Calcium-sensing beyond neurotransmitters: functions of synaptotagmins in neuroendocrine and endocrine secretion. <i>Bioscience Reports</i> , 2009, 29, 245-259.	2.4	84
12	FoxO1 Inhibits Leptin Regulation of Pro-opiomelanocortin Promoter Activity by Blocking STAT3 Interaction with Specificity Protein 1. <i>Journal of Biological Chemistry</i> , 2009, 284, 3719-3727.	3.4	81
13	<i>In Vivo</i> hyperpolarized carbon-13 magnetic resonance spectroscopy reveals increased pyruvate carboxylase flux in an insulin-resistant mouse model. <i>Hepatology</i> , 2013, 57, 515-524.	7.3	77
14	miRNA-32 Drives Brown Fat Thermogenesis and Trans-activates Subcutaneous White Fat Browning in Mice. <i>Cell Reports</i> , 2017, 19, 1229-1246.	6.4	76
15	Tropomodulin3 is a novel Akt2 effector regulating insulin-stimulated GLUT4 exocytosis through cortical actin remodeling. <i>Nature Communications</i> , 2015, 6, 5951.	12.8	74
16	Synaptotagmin 4 Regulates Pancreatic β Cell Maturation by Modulating the Ca ²⁺ Sensitivity of Insulin Secretion Vesicles. <i>Developmental Cell</i> , 2018, 45, 347-361.e5.	7.0	73
17	Metabolic pathway analyses identify proline biosynthesis pathway as a promoter of liver tumorigenesis. <i>Journal of Hepatology</i> , 2020, 72, 725-735.	3.7	71
18	Synaptotagmin-7 phosphorylation mediates GLP-1-dependent potentiation of insulin secretion from β -cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 9996-10001.	7.1	65

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19	BSCL2/seipin regulates adipogenesis through actin cytoskeleton remodelling. <i>Human Molecular Genetics</i> , 2014, 23, 502-513.	2.9	61
20	An Actin Filament Population Defined by the Tropomyosin Tpm3.1 Regulates Glucose Uptake. <i>Traffic</i> , 2015, 16, 691-711.	2.7	61
21	Obesity accelerates <i>Helicobacter felis</i> -induced gastric carcinogenesis by enhancing immature myeloid cell trafficking and T _H 17 response. <i>Gut</i> , 2014, 63, 385-394.	12.1	60
22	Leptin resistance and obesity in mice with deletion of methyl-CpG-binding protein 2 (MeCP2) in hypothalamic pro-opiomelanocortin (POMC) neurons. <i>Diabetologia</i> , 2014, 57, 236-245.	6.3	52
23	Nuclear factor κ B (NF- κ B) suppresses food intake and energy expenditure in mice by directly activating the Pomc promoter. <i>Diabetologia</i> , 2013, 56, 925-936.	6.3	51
24	Regulation of adipogenesis by cytoskeleton remodelling is facilitated by acetyltransferase MEC-17-dependent acetylation of β -tubulin. <i>Biochemical Journal</i> , 2013, 449, 605-612.	3.7	46
25	Synaptotagmin-1 inhibits clathrin-mediated and bulk endocytosis. <i>EMBO Reports</i> , 2016, 17, 47-63.	4.5	44
26	TELP, a sensitive and versatile library construction method for next-generation sequencing. <i>Nucleic Acids Research</i> , 2015, 43, e35-e35.	14.5	43
27	Reduced Body Weight and Increased Energy Expenditure in Transgenic Mice Over-Expressing Soluble Leptin Receptor. <i>PLoS ONE</i> , 2010, 5, e11669.	2.5	42
28	Insulin-stimulated leptin secretion requires calcium and PI3K/Akt activation. <i>Biochemical Journal</i> , 2014, 458, 491-498.	3.7	41
29	Dynamic DNA methylation landscape defines brown and white cell specificity during adipogenesis. <i>Molecular Metabolism</i> , 2016, 5, 1033-1041.	6.5	40
30	O-GlcNAcase targets pyruvate kinase M2 to regulate tumor growth. <i>Oncogene</i> , 2020, 39, 560-573.	5.9	39
31	NUCKS Is a Positive Transcriptional Regulator of Insulin Signaling. <i>Cell Reports</i> , 2014, 7, 1876-1886.	6.4	38
32	Seipin differentially regulates lipogenesis and adipogenesis through a conserved core sequence and an evolutionarily acquired C-terminus. <i>Biochemical Journal</i> , 2013, 452, 37-44.	3.7	37
33	Narciclasine attenuates diet-induced obesity by promoting oxidative metabolism in skeletal muscle. <i>PLoS Biology</i> , 2017, 15, e1002597.	5.6	37
34	Adipose specific disruption of seipin causes early-onset generalised lipodystrophy and altered fuel utilisation without severe metabolic disease. <i>Molecular Metabolism</i> , 2018, 10, 55-65.	6.5	36
35	Green tea (-)-epigallocatechin-3-gallate counteracts daytime overeating induced by high-fat diet in mice. <i>Molecular Nutrition and Food Research</i> , 2016, 60, 2565-2575.	3.3	32
36	Novel Systems for Dynamically Assessing Insulin Action in Live Cells Reveals Heterogeneity in the Insulin Response. <i>Traffic</i> , 2013, 14, 259-273.	2.7	27

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37	HOXC10 suppresses browning of white adipose tissues. <i>Experimental and Molecular Medicine</i> , 2017, 49, e292-e292.	7.7	25
38	Regulation of white and brown adipocyte differentiation by RhoGAP DLC1. <i>PLoS ONE</i> , 2017, 12, e0174761.	2.5	25
39	Synaptotagmin-7 as a positive regulator of glucose-induced glucagon-like peptide-1 secretion in mice. <i>Diabetologia</i> , 2011, 54, 1824-1830.	6.3	24
40	Regulation of synaptic functions in central nervous system by endocrine hormones and the maintenance of energy homeostasis. <i>Bioscience Reports</i> , 2012, 32, 423-432.	2.4	24
41	Seipin regulates excitatory synaptic transmission in cortical neurons. <i>Journal of Neurochemistry</i> , 2013, 124, 478-489.	3.9	24
42	Increased biogenesis of glucagon-containing secretory granules and glucagon secretion in BIG3-knockout mice. <i>Molecular Metabolism</i> , 2015, 4, 246-252.	6.5	24
43	Seipin Knockout Mice Develop Heart Failure With Preserved Ejection Fraction. <i>JACC Basic To Translational Science</i> , 2019, 4, 924-937.	4.1	24
44	Towards a mechanistic understanding of lipodystrophy and seipin functions. <i>Bioscience Reports</i> , 2014, 34, .	2.4	23
45	Arp2/3 complex regulates adipogenesis by controlling cortical actin remodelling. <i>Biochemical Journal</i> , 2014, 464, 179-192.	3.7	22
46	Loss of Fas apoptosis inhibitory molecule leads to spontaneous obesity and hepatosteatosis. <i>Cell Death and Disease</i> , 2016, 7, e2091-e2091.	6.3	22
47	Indian Hedgehog links obesity to development of hepatocellular carcinoma. <i>Oncogene</i> , 2019, 38, 2206-2222.	5.9	22
48	Targeted Inhibition of Purine Metabolism Is Effective in Suppressing Hepatocellular Carcinoma Progression. <i>Hepatology Communications</i> , 2020, 4, 1362-1381.	4.3	22
49	BIG3 inhibits insulin granule biogenesis and insulin secretion. <i>EMBO Reports</i> , 2014, 15, 714-22.	4.5	21
50	NUCKS: a potential biomarker in cancer and metabolic disease. <i>Clinical Science</i> , 2015, 128, 715-721.	4.3	20
51	Motor neuropathy-associated mutation impairs Seipin functions in neurotransmission. <i>Journal of Neurochemistry</i> , 2014, 129, 328-338.	3.9	19
52	Molecular regulation of insulin granule biogenesis and exocytosis. <i>Biochemical Journal</i> , 2016, 473, 2737-2756.	3.7	19
53	Neuronal Calcium Sensor Synaptotagmin-9 Is Not Involved in the Regulation of Glucose Homeostasis or Insulin Secretion. <i>PLoS ONE</i> , 2010, 5, e15414.	2.5	18
54	Altered Islet Morphology but Normal Islet Secretory Function In Vitro in a Mouse Model with Microvascular Alterations in the Pancreas. <i>PLoS ONE</i> , 2013, 8, e71277.	2.5	18

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55	Calcium Sensing in Exocytosis. <i>Advances in Experimental Medicine and Biology</i> , 2012, 740, 731-757.	1.6	17
56	Remodeling of whole-body lipid metabolism and a diabetic-like phenotype caused by loss of CDK1 and hepatocyte division. <i>ELife</i> , 2020, 9, .	6.0	15
57	Paired box 6 programs essential exocytotic genes in the regulation of glucose-stimulated insulin secretion and glucose homeostasis. <i>Science Translational Medicine</i> , 2021, 13, .	12.4	13
58	5-IP7 is a GPCR messenger mediating neural control of synaptotagmin-dependent insulin exocytosis and glucose homeostasis. <i>Nature Metabolism</i> , 2021, 3, 1400-1414.	11.9	13
59	Reprogramming of mitochondrial proline metabolism promotes liver tumorigenesis. <i>Amino Acids</i> , 2021, 53, 1807-1815.	2.7	12
60	Increased Lipolysis and Energy Expenditure in a Mouse Model with Severely Impaired Glucagon Secretion. <i>PLoS ONE</i> , 2011, 6, e26671.	2.5	11
61	Detection of insulin granule exocytosis by an electrophysiology method with high temporal resolution reveals enlarged insulin granule pool in BIG3-knockout mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2014, 307, E611-E618.	3.5	11
62	Adiponectin is released via a unique regulated exocytosis pathway from a pre-formed vesicle pool on insulin stimulation. <i>Biochemical Journal</i> , 2015, 471, 381-389.	3.7	11
63	The altered lipidome of hepatocellular carcinoma. <i>Seminars in Cancer Biology</i> , 2022, 86, 445-456.	9.6	11
64	Delayed onset of hyperglycaemia in a mouse model with impaired glucagon secretion demonstrates that dysregulated glucagon secretion promotes hyperglycaemia and type 2 diabetes. <i>Diabetologia</i> , 2011, 54, 415-422.	6.3	10
65	Hypothalamic NUCKS regulates peripheral glucose homeostasis. <i>Biochemical Journal</i> , 2015, 469, 391-398.	3.7	9
66	Epigenomic Control of Thermogenic Adipocyte Differentiation and Function. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1793.	4.1	9
67	Acetylome Analysis Identifies SIRT1 Targets in mRNA-Processing and Chromatin-Remodeling in Mouse Liver. <i>PLoS ONE</i> , 2015, 10, e0140619.	2.5	8
68	Acetylome study in mouse adipocytes identifies targets of SIRT1 deacetylation in chromatin organization and RNA processing. <i>Archives of Biochemistry and Biophysics</i> , 2016, 598, 1-10.	3.0	7
69	ELKS1 controls mast cell degranulation by regulating the transcription of <i>Stxbp2</i> and <i>Syntaxin 4</i> via <i>Kdm2b</i> stabilization. <i>Science Advances</i> , 2020, 6, .	10.3	7
70	SIRT1 Interacts with and Deacetylates ATP6V1B2 in Mature Adipocytes. <i>PLoS ONE</i> , 2015, 10, e0133448.	2.5	7
71	SEN2 suppresses browning of white adipose tissues by de-conjugating SUMO from C/EBP β . <i>Cell Reports</i> , 2022, 38, 110408.	6.4	7
72	Brefeldin A inhibited guanine nucleotide exchange protein 3 is localized in lysosomes and regulates GABA signaling in hippocampal neurons. <i>Journal of Neurochemistry</i> , 2016, 139, 748-756.	3.9	6

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73	Imaging Fibrogenesis in a Diet-Induced Model of Nonalcoholic Steatohepatitis (NASH). Contrast Media and Molecular Imaging, 2019, 2019, 1-8.	0.8	6
74	An Inhibitory Effect of Extracellular Ca ²⁺ on Ca ²⁺ -Dependent Exocytosis. PLoS ONE, 2011, 6, e24573.	2.5	5
75	Malignant manipulaTORs of metabolism: suppressing BCAA catabolism to enhance mTORC1 activity. Molecular and Cellular Oncology, 2019, 6, 1585171.	0.7	5
76	HOXC10 Suppresses Browning to Maintain White Adipocyte Identity. Diabetes, 2021, 70, 1654-1663.	0.6	5
77	Dual functions of adaptor protein, phosphotyrosine interaction, PH domain and leucine zipper containing 1 (APPL1) in insulin signaling and insulin secretion. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 8795-8796.	7.1	4
78	Tropomodulin3 as the link between insulin-activated AKT2 and cortical actin remodeling in preparation of GLUT4 exocytosis. Bioarchitecture, 2014, 4, 210-214.	1.5	4
79	The pancreatic beta cells: Still much to be learned. Seminars in Cell and Developmental Biology, 2020, 103, 1-2.	5.0	1
80	Give and take: competition for BCAAs in the tumour microenvironment. Nature Metabolism, 2020, 2, 657-658.	11.9	0