Shanghai Chen

List of Publications by Year
in descending order

33 papers	1,421 citations	361413 20 h-index	395702 33 g-index
35 all docs	35 docs citations	35 times ranked	2313 citing authors

#	Article	IF	Citations
1	Leucine Deprivation Increases Hepatic Insulin Sensitivity via GCN2/mTOR/S6K1 and AMPK Pathways. Diabetes, 2011, 60, 746-756.	0.6	249
2	Leucine Deprivation Decreases Fat Mass by Stimulation of Lipolysis in White Adipose Tissue and Upregulation of Uncoupling Protein 1 (UCP1) in Brown Adipose Tissue. Diabetes, 2010, 59, 17-25.	0.6	140
3	Effects of individual branched-chain amino acids deprivation on insulin sensitivity and glucose metabolism in mice. Metabolism: Clinical and Experimental, 2014, 63, 841-850.	3.4	87
4	A Novel Function of MicroRNA 130a-3p in Hepatic Insulin Sensitivity and Liver Steatosis. Diabetes, 2014, 63, 2631-2642.	0.6	77
5	ATF4 Deficiency Promotes Intestinal Inflammation in Mice by Reducing Uptake of Glutamine and Expression of Antimicrobial Peptides. Gastroenterology, 2019, 156, 1098-1111.	1.3	67
6	Leucine deprivation inhibits proliferation and induces apoptosis of human breast cancer cells via fatty acid synthase. Oncotarget, 2016, 7, 63679-63689.	1.8	66
7	MicroRNA-214 Suppresses Gluconeogenesis by Targeting Activating Transcriptional Factor 4. Journal of Biological Chemistry, 2015, 290, 8185-8195.	3.4	65
8	Autophagy inhibition prevents glucocorticoid-increased adiposity via suppressing BAT whitening. Autophagy, 2020, 16, 451-465.	9.1	59
9	Leucine Deprivation Stimulates Fat Loss via Increasing CRH Expression in the Hypothalamus and Activating The Sympathetic Nervous System. Molecular Endocrinology, 2011, 25, 1624-1635.	3.7	55
10	miR-212-5p suppresses lipid accumulation by targeting FAS and SCD1. Journal of Molecular Endocrinology, 2017, 59, 205-217.	2.5	55
11	Activation of ERK1/2 Ameliorates Liver Steatosis in Leptin Receptorâ€"Deficient (<i>db/db</i>) Mice via Stimulating ATG7-Dependent Autophagy. Diabetes, 2016, 65, 393-405.	0.6	44
12	Central Activating Transcription Factor 4 (ATF4) Regulates Hepatic Insulin Resistance in Mice via S6K1 Signaling and the Vagus Nerve. Diabetes, 2013, 62, 2230-2239.	0.6	38
13	BTG1 ameliorates liver steatosis by decreasing stearoyl-CoA desaturase 1 (SCD1) abundance and altering hepatic lipid metabolism. Science Signaling, 2016, 9, ra50.	3.6	38
14	Liver-specific Gene Inactivation of the Transcription Factor ATF4 Alleviates Alcoholic Liver Steatosis in Mice. Journal of Biological Chemistry, 2016, 291, 18536-18546.	3.4	37
15	MAPK1/3 regulate hepatic lipid metabolism via ATG7-dependent autophagy. Autophagy, 2016, 12, 592-593.	9.1	35
16	Hepatic Phosphoserine Aminotransferase 1 Regulates Insulin Sensitivity in Mice via Tribbles Homolog 3. Diabetes, 2015, 64, 1591-1602.	0.6	34
17	ATF4/ATG5 Signaling in Hypothalamic Proopiomelanocortin Neurons Regulates Fat Mass via Affecting Energy Expenditure. Diabetes, 2017, 66, 1146-1158.	0.6	34
18	Deletion of ATF4 in AgRP Neurons Promotes Fat Loss Mainly via Increasing Energy Expenditure. Diabetes, 2017, 66, 640-650.	0.6	33

#	Article	IF	Citations
19	Activation of GCN2/ATF4 signals in amygdalar PKC-Î´ neurons promotes WAT browning under leucine deprivation. Nature Communications, 2020, 11, 2847.	12.8	29
20	Hepatic serum- and glucocorticoid-regulated protein kinase 1 (SGK1) regulates insulin sensitivity in mice via extracellular-signal-regulated kinase 1/2 (ERK1/2). Biochemical Journal, 2014, 464, 281-289.	3.7	28
21	SGK1/FOXO3 Signaling in Hypothalamic POMC Neurons Mediates Glucocorticoid-Increased Adiposity. Diabetes, 2018, 67, 569-580.	0.6	23
22	Effects of essential amino acids on lipid metabolism in mice and humans. Journal of Molecular Endocrinology, 2016, 57, 223-231.	2.5	21
23	An ATF4-ATG5 signaling in hypothalamic POMC neurons regulates obesity. Autophagy, 2017, 13, 1088-1089.	9.1	21
24	Hepatic c-Jun regulates glucose metabolism via FGF21 and modulates body temperature through the neural signals. Molecular Metabolism, 2019, 20, 138-148.	6.5	14
25	A novel function of Bâ€cell translocation gene 1 (<i>BTG1</i>) in the regulation of hepatic insulin sensitivity in mice <i>via</i> câ€Jun. FASEB Journal, 2016, 30, 348-359.	0.5	13
26	Knockout of inositol-requiring enzyme 1Î± in pro-opiomelanocortin neurons decreases fat mass via increasing energy expenditure. Open Biology, 2016, 6, 160131.	3.6	12
27	Overexpression of Smad7 in hypothalamic POMC neurons disrupts glucose balance by attenuating central insulin signaling. Molecular Metabolism, 2020, 42, 101084.	6.5	9
28	A fifty percent leucine-restricted diet reduces fat mass and improves glucose regulation. Nutrition and Metabolism, 2021, 18, 34.	3.0	9
29	A Novel Function of Hepatic FOG2 in Insulin Sensitivity and Lipid Metabolism Through PPARÎ±. Diabetes, 2016, 65, 2151-2163.	0.6	8
30	Activation of GCN2 in macrophages promotes white adipose tissue browning and lipolysis under leucine deprivation. FASEB Journal, 2021, 35, e21652.	0.5	7
31	Intermittent Leucine Deprivation Produces Long-lasting Improvement in Insulin Sensitivity by Increasing Hepatic <i>Gcn2</i> Expression. Diabetes, 2022, 71, 206-218.	0.6	5
32	Hepatokine ERAP1 Disturbs Skeletal Muscle Insulin Sensitivity Via Inhibiting USP33-Mediated ADRB2 Deubiquitination. Diabetes, 2022, 71, 921-933.	0.6	5
33	Amino acid sensor GCN2 promotes SARS-CoV-2 receptor ACE2 expression in response to amino acid deprivation. Communications Biology, 2022, 5, .	4.4	4