Feifan Guo

List of Publications by Year
in descending order

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49 papers	2,127 citations	218677 26 h-index	243625 44 g-index
51 all docs	51 docs citations	51 times ranked	3542 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	Fibroblast growth factor 21 improves hepatic insulin sensitivity by inhibiting mammalian target of rapamycin complex 1 in mice. Hepatology, 2016, 64, 425-438.	7.3	134
4	MicroRNA 301A Promotes Intestinal Inflammation and Colitis-Associated Cancer Development by Inhibiting BTG1. Gastroenterology, 2017, 152, 1434-1448.e15.	1.3	118
5	microRNA-378 promotes autophagy and inhibits apoptosis in skeletal muscle. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E10849-E10858.	7.1	96
6	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
7	A Novel Function of MicroRNA 130a-3p in Hepatic Insulin Sensitivity and Liver Steatosis. Diabetes, 2014, 63, 2631-2642.	0.6	77
8	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
9	Leucine deprivation inhibits proliferation and induces apoptosis of human breast cancer cells via fatty acid synthase. Oncotarget, 2016, 7, 63679-63689.	1.8	66
10	MicroRNA-214 Suppresses Gluconeogenesis by Targeting Activating Transcriptional Factor 4. Journal of Biological Chemistry, 2015, 290, 8185-8195.	3.4	65
11	Mineralocorticoid Receptor Deficiency in Macrophages Inhibits Neointimal Hyperplasia and Suppresses Macrophage Inflammation Through SGK1-AP1/NF-ÎºB Pathways. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, 874-885.	2.4	63
12	Autophagy inhibition prevents glucocorticoid-increased adiposity via suppressing BAT whitening. Autophagy, 2020, 16, 451-465.	9.1	59
13	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
14	miR-212-5p suppresses lipid accumulation by targeting FAS and SCD1. Journal of Molecular Endocrinology, 2017, 59, 205-217.	2.5	55
15	<i>Sarm1</i> Gene Deficiency Attenuates Diabetic Peripheral Neuropathy in Mice. Diabetes, 2019, 68, 2120-2130.	0.6	53
16	Amino Acid Sensing in Metabolic Homeostasis and Health. Endocrine Reviews, 2021, 42, 56-76.	20.1	48
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	MAPK1/3 regulate hepatic lipid metabolism via ATG7-dependent autophagy. Autophagy, 2016, 12, 592-593.	9.1	35
22	Impacts of essential amino acids on energy balance. Molecular Metabolism, 2022, 57, 101393.	6.5	35
23	Hepatic Phosphoserine Aminotransferase 1 Regulates Insulin Sensitivity in Mice via Tribbles Homolog 3. Diabetes, 2015, 64, 1591-1602.	0.6	34
24	ATF4/ATG5 Signaling in Hypothalamic Proopiomelanocortin Neurons Regulates Fat Mass via Affecting Energy Expenditure. Diabetes, 2017, 66, 1146-1158.	0.6	34
25	Deletion of ATF4 in AgRP Neurons Promotes Fat Loss Mainly via Increasing Energy Expenditure. Diabetes, 2017, 66, 640-650.	0.6	33
26	Activation of GCN2/ATF4 signals in amygdalar PKC-Î´ neurons promotes WAT browning under leucine deprivation. Nature Communications, 2020, 11, 2847.	12.8	29
27	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
28	Metabolic benefits of inhibition of p38Î± in white adipose tissue in obesity. PLoS Biology, 2018, 16, e2004225.	5.6	27
29	I Prostanoid Receptorâ€“Mediated Inflammatory Pathway Promotes Hepatic Gluconeogenesis Through Activation of PKA and Inhibition of AKT. Diabetes, 2014, 63, 2911-2923.	0.6	23
30	SGK1/FOXO3 Signaling in Hypothalamic POMC Neurons Mediates Glucocorticoid-Increased Adiposity. Diabetes, 2018, 67, 569-580.	0.6	23
31	Effects of essential amino acids on lipid metabolism in mice and humans. Journal of Molecular Endocrinology, 2016, 57, 223-231.	2.5	21
32	An ATF4-ATG5 signaling in hypothalamic POMC neurons regulates obesity. Autophagy, 2017, 13, 1088-1089.	9.1	21
33	Branched chain amino acids and metabolic regulation. Science Bulletin, 2013, 58, 1228-1235.	1.7	20
34	microRNA and thyroid hormone signaling in cardiac and skeletal muscle. Cell and Bioscience, 2017, 7, 14.	4.8	19
35	Amygdala, an important regulator for food intake. Frontiers in Biology, 2011, 6, 82-85.	0.7	18
36	Triiodothyronine (T3) promotes brown fat hyperplasia via thyroid hormone receptor Î± mediated adipocyte progenitor cell proliferation. Nature Communications, 2022, 13, .	12.8	18

#	Article	IF	Citations
37	Shortâ€term tamoxifen treatment has longâ€term effects on metabolism in highâ€fat dietâ€fed mice with involvement of Nmnat2 in <scp>POMC</scp> neurons. FEBS Letters, 2018, 592, 3305-3316.	2.8	14
38	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
39	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
40	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
41	Ligand-dependent corepressor (LCoR) represses the transcription factor C/EBPÎ² during early adipocyte differentiation. Journal of Biological Chemistry, 2017, 292, 18973-18987.	3.4	10
42	PAQR3 augments amino acid deprivation-induced autophagy by inhibiting mTORC1 signaling. Cellular Signalling, 2017, 33, 98-106.	3.6	9
43	Overexpression of Smad7 in hypothalamic POMC neurons disrupts glucose balance by attenuating central insulin signaling. Molecular Metabolism, 2020, 42, 101084.	6.5	9
44	A fifty percent leucine-restricted diet reduces fat mass and improves glucose regulation. Nutrition and Metabolism, 2021, 18, 34.	3.0	9
45	A Novel Function of Hepatic FOG2 in Insulin Sensitivity and Lipid Metabolism Through PPARÎ±. Diabetes, 2016, 65, 2151-2163.	0.6	8
46	Activation of GCN2 in macrophages promotes white adipose tissue browning and lipolysis under leucine deprivation. FASEB Journal, 2021, 35, e21652.	0.5	7
47	Hemin Improves Insulin Sensitivity and Lipid Metabolism in Cultured Hepatocytes and Mice Fed a High-Fat Diet. Nutrients, 2017, 9, 805.	4.1	6
48	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
49	Amino acid sensor GCN2 promotes SARS-CoV-2 receptor ACE2 expression in response to amino acid deprivation. Communications Biology, 2022, 5, .	4.4	4