Chun-Xia Yi

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7747890/publications.pdf

Version: 2024-02-01

88 papers	7,380 citations	53751 45 h-index	56687 83 g-index

90 all docs	90 docs citations	90 times ranked	9210 citing authors

#	Article	IF	Citations
1	The hypothalamus for whole-body physiology: from metabolism to aging. Protein and Cell, 2022, 13, 394-421.	4.8	41
2	Timeâ€restricted feeding during the inactive phase abolishes the daily rhythm in mitochondrial respiration in rat skeletal muscle. FASEB Journal, 2022, 36, e22133.	0.2	11
3	Specific Silencing of Microglial Gene Expression in the Rat Brain by Nanoparticle-Based Small Interfering RNA Delivery. ACS Applied Materials & Interfaces, 2022, 14, 5066-5079.	4.0	8
4	Loss of Microglial Insulin Receptor Leads to Sex-Dependent Metabolic Disorders in Obese Mice. International Journal of Molecular Sciences, 2022, 23, 2933.	1.8	4
5	ASB4 modulates central melanocortinergic neurons and calcitonin signaling to control satiety and glucose homeostasis. Science Signaling, 2022, 15, eabj8204.	1.6	11
6	Lipid Droplets Accumulate in the Hypothalamus of Mice and Humans with and without Metabolic Diseases. Neuroendocrinology, 2021, 111, 263-272.	1.2	8
7	The infundibular peptidergic neurons and glia cells in overeating, obesity, and diabetes. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2021, 180, 315-325.	1.0	0
8	Mapping of Microglial Brain Region, Sex and Age Heterogeneity in Obesity. International Journal of Molecular Sciences, 2021, 22, 3141.	1.8	7
9	Microglia-specific knock-down of Bmal1 improves memory and protects mice from high fat diet-induced obesity. Molecular Psychiatry, 2021, 26, 6336-6349.	4.1	41
10	Hypothalamic neuropeptides and neurocircuitries in Prader Willi syndrome. Journal of Neuroendocrinology, 2021, 33, e12994.	1.2	24
11	The Effect of Rev-erbÎ± Agonist SR9011 on the Immune Response and Cell Metabolism of Microglia. Frontiers in Immunology, 2020, 11, 550145.	2.2	22
12	Deficiency of the Circadian Clock Gene Bmal1 Reduces Microglial Immunometabolism. Frontiers in Immunology, 2020, 11, 586399.	2.2	41
13	The impact of antidiabetic treatment on human hypothalamic infundibular neurons and microglia. JCI Insight, 2020, 5, .	2.3	15
14	Type 2 diabetes risk gene Dusp8 regulates hypothalamic Jnk signaling and insulin sensitivity. Journal of Clinical Investigation, 2020, 130, 6093-6108.	3.9	17
15	Loss of arginine vasopressin- and vasoactive intestinal polypeptide-containing neurons and glial cells in the suprachiasmatic nucleus of individuals with type 2 diabetes. Diabetologia, 2019, 62, 2088-2093.	2.9	34
16	Diet-Induced Obesity Disturbs Microglial Immunometabolism in a Time-of-Day Manner. Frontiers in Endocrinology, 2019, 10, 424.	1.5	35
17	The Iminosugar AMP-DNM Improves Satiety and Activates Brown Adipose Tissue Through GLP1. Diabetes, 2019, 68, 2223-2234.	0.3	5
18	Time-Restricted Feeding Improves Glucose Tolerance in Rats, but Only When in Line With the Circadian Timing System. Frontiers in Endocrinology, 2019, 10, 554.	1.5	21

#	Article	IF	Citations
19	Role of astrocytes, microglia, and tanycytes in brain control of systemic metabolism. Nature Neuroscience, 2019, 22, 7-14.	7.1	200
20	Butyrate reduces appetite and activates brown adipose tissue via the gut-brain neural circuit. Gut, 2018, 67, 1269-1279.	6.1	401
21	Streptozotocin-induced Î²-cell damage, high fat diet, and metformin administration regulate Hes3 expression in the adult mouse brain. Scientific Reports, 2018, 8, 11335.	1.6	5
22	Low-Fat Diet With Caloric Restriction Reduces White Matter Microglia Activation During Aging. Frontiers in Molecular Neuroscience, 2018, 11, 65.	1.4	35
23	Circulating HDL levels control hypothalamic astrogliosis via apoA-I. Journal of Lipid Research, 2018, 59, 1649-1659.	2.0	7
24	The Main Molecular Mechanisms Underlying Methamphetamine- Induced Neurotoxicity and Implications for Pharmacological Treatment. Frontiers in Molecular Neuroscience, 2018, 11, 186.	1.4	138
25	Deficiency of leptin receptor in myeloid cells disrupts hypothalamic metabolic circuits and causes body weight increase. Molecular Metabolism, 2018, 7, 155-160.	3.0	43
26	TNFÎ± drives mitochondrial stress in POMC neurons in obesity. Nature Communications, 2017, 8, 15143.	5.8	92
27	Regulation of body weight and energy homeostasis by neuronal cell adhesion molecule 1. Nature Neuroscience, 2017, 20, 1096-1103.	7.1	59
28	Dietary sugars, not lipids, drive hypothalamic inflammation. Molecular Metabolism, 2017, 6, 897-908.	3.0	104
29	Overview of long non-coding RNA and mRNA expression in response to methamphetamine treatment in vitro. Toxicology in Vitro, 2017, 44, 1-10.	1.1	34
30	Lipoprotein Lipase Maintains Microglial Innate Immunity in Obesity. Cell Reports, 2017, 20, 3034-3042.	2.9	89
31	Molecular Integration of Incretin and Glucocorticoid Action Reverses Immunometabolic Dysfunction and Obesity. Cell Metabolism, 2017, 26, 620-632.e6.	7.2	66
32	Disruption of Lipid Uptake in Astroglia Exacerbates Diet-Induced Obesity. Diabetes, 2017, 66, 2555-2563.	0.3	59
33	Role Of Neuronal Fractalkine In Reducing Diet-induced Hypothalamic Inflammation. Medicine and Science in Sports and Exercise, 2017, 49, 702.	0.2	1
34	Ring Finger Protein 11 Inhibits Melanocortin 3 and 4 Receptor Signaling. Frontiers in Endocrinology, 2016, 7, 109.	1.5	3
35	Microglia energy metabolism in metabolic disorder. Molecular and Cellular Endocrinology, 2016, 438, 27-35.	1.6	53
36	Astrocytic Insulin Signaling Couples Brain Glucose Uptake with Nutrient Availability. Cell, 2016, 166, 867-880.	13.5	382

#	Article	IF	Citations
37	Hypothalamic leptin action is mediated by histone deacetylase 5. Nature Communications, 2016, 7, 10782.	5.8	68
38	Deletion of Monoglyceride Lipase in Astrocytes Attenuates Lipopolysaccharide-induced Neuroinflammation. Journal of Biological Chemistry, 2016, 291, 913-923.	1.6	55
39	Brain Innate Immunity Regulates Hypothalamic Arcuate Neuronal Activity and Feeding Behavior. Endocrinology, 2015, 156, 1303-1315.	1.4	69
40	Hypothalamic innate immune reaction in obesity. Nature Reviews Endocrinology, 2015, 11, 339-351.	4.3	133
41	Inverse Agonistic Action of 3-Iodothyronamine at the Human Trace Amine-Associated Receptor 5. PLoS ONE, 2015, 10, e0117774.	1.1	62
42	Analysis of Human TAAR8 and Murine Taar8b Mediated Signaling Pathways and Expression Profile. International Journal of Molecular Sciences, 2014, 15, 20638-20655.	1.8	23
43	Hypothalamic PGC-1Î± Protects Against High-Fat Diet Exposure by Regulating ERÎ±. Cell Reports, 2014, 9, 633-645.	2.9	159
44	Spare mitochondrial respiratory capacity permits human adipocytes to maintain ATP homeostasis under hypoglycemic conditions. FASEB Journal, 2014, 28, 761-770.	0.2	67
45	Duodenal nutrient exclusion improves metabolic syndrome and stimulates villus hyperplasia. Gut, 2014, 63, 1238-1246.	6.1	46
46	Hormonal Control of Metabolism by the Hypothalamus-Autonomic Nervous System-Liver Axis. Frontiers of Hormone Research, 2014, 42, 1-28.	1.0	14
47	Hormones and diet, but not body weight, control hypothalamic microglial activity. Glia, 2014, 62, 17-25.	2.5	203
48	The hypothalamic neuralâ€“glial network and the metabolic syndrome. Best Practice and Research in Clinical Endocrinology and Metabolism, 2014, 28, 661-671.	2.2	15
49	Leptin signaling in astrocytes regulates hypothalamic neuronal circuits and feeding. Nature Neuroscience, 2014, 17, 908-910.	7.1	268
50	Aspects of 3-iodothyronamine (3T1AM) induced signaling by human and mouse trace amine-associated receptor 5 (TAAR5). Experimental and Clinical Endocrinology and Diabetes, 2014, 122, .	0.6	0
51	Leptin action in the brain: How (and when) it makes fat burn. Molecular Metabolism, 2013, 2, 63-64.	3.0	7
52	Hypothalamic Astrocytes in Obesity. Endocrinology and Metabolism Clinics of North America, 2013, 42, 57-66.	1.2	66
53	The orphan receptor Gpr83 regulates systemic energy metabolism via ghrelin-dependent and ghrelin-independent mechanisms. Nature Communications, 2013, 4, 1968.	5.8	64
54	GLP-1R Agonism Enhances Adjustable Gastric Banding in Diet-Induced Obese Rats. Diabetes, 2013, 62, 3261-3267.	0.3	19

#	Article	IF	Citations
55	High-fat diet exposure induces IgG accumulation in hypothalamic microglia. DMM Disease Models and Mechanisms, 2012, 5, 686-90.	1.2	71
56	Obesity is associated with hypothalamic injury in rodents and humans. Journal of Clinical Investigation, 2012, 122, 153-162.	3.9	1,448
57	AgRP and NPY Expression in the Human Hypothalamic Infundibular Nucleus Correlate with Body Mass Index, Whereas Changes in Î±MSH Are Related to Type 2 Diabetes. Journal of Clinical Endocrinology and Metabolism, 2012, 97, E925-E933.	1.8	41
58	Glucocorticoid Signaling in the Arcuate Nucleus Modulates Hepatic Insulin Sensitivity. Diabetes, 2012, 61, 339-345.	0.3	59
59	Brainâ€“gutâ€“adipose-tissue communication pathways at a glance. DMM Disease Models and Mechanisms, 2012, 5, 583-587.	1.2	63
60	High calorie diet triggers hypothalamic angiopathy. Molecular Metabolism, 2012, 1, 95-100.	3.0	55
61	Orexins, feeding, and energy balance. Progress in Brain Research, 2012, 198, 47-64.	0.9	60
62	Targeted estrogen delivery reverses the metabolic syndrome. Nature Medicine, 2012, 18, 1847-1856.	15.2	241
63	The GOAT-Ghrelin System Is Not Essential for Hypoglycemia Prevention during Prolonged Calorie Restriction. PLoS ONE, 2012, 7, e32100.	1.1	48
64	Restoration of leptin responsiveness in dietâ€induced obese mice using an optimized leptin analog in combination with exendinâ€4 or FGF21. Journal of Peptide Science, 2012, 18, 383-393.	0.8	133
65	The HPA axis modulates the CNS melanocortin control of liver triacylglyceride metabolism. Physiology and Behavior, 2012, 105, 791-799.	1.0	16
66	Exercise protects against high-fat diet-induced hypothalamic inflammation. Physiology and Behavior, 2012, 106, 485-490.	1.0	97
67	Obesity is associated with hypothalamic injury in rodents and humans. Journal of Clinical Investigation, 2012, 122, 778-778.	3.9	9
68	Cajal revisited: does the VMH make us fat?. Nature Neuroscience, 2011, 14, 806-808.	7.1	14
69	A Role for Astrocytes in the Central Control of Metabolism. Neuroendocrinology, 2011, 93, 143-149.	1.2	52
70	Autonomic MC Sets the Metabolic Tone. Cell Metabolism, 2011, 13, 121-123.	7.2	4
71	Ghrelin in eating disorders. Molecular and Cellular Endocrinology, 2011, 340, 29-34.	1.6	36
72	Circadian disruption and SCN control of energy metabolism. FEBS Letters, 2011, 585, 1412-1426.	1.3	101

#	Article	IF	Citations
73	Ghrelin Enhances Olfactory Sensitivity and Exploratory Sniffing in Rodents and Humans. Journal of Neuroscience, 2011, 31, 5841-5846.	1.7	141
74	PS2 - 11. The hypothalamic suprachiasmatic nucleus controls circadian energy metabolism and insulin sensitivity. Nederlands Tijdschrift Voor Diabetologie, 2011, 9, 97-98.	0.0	0
75	Mutually Opposite Signal Modulation by Hypothalamic Heterodimerization of Ghrelin and Melanocortin-3 Receptors. Journal of Biological Chemistry, 2011, 286, 39623-39631.	1.6	90
76	Interaction between hypothalamic dorsomedial nucleus and the suprachiasmatic nucleus determines intensity of food anticipatory behavior. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 5813-5818.	3.3	154
77	Mammalian clock output mechanisms. Essays in Biochemistry, 2011, 49, 137-151.	2.1	52
78	Rapid Onset of Hypothalamic Inflammation, Reactive Gliosis and Microglial Accumulation during High-Fat Diet-Induced Obesity. , 2011, , OR33-1-OR33-1.		1
79	Hypothalamic control of energy metabolism via the autonomic nervous system. Annals of the New York Academy of Sciences, 2010, 1212, 114-129.	1.8	115
80	Pituitary Adenylate Cyclase-Activating Polypeptide Stimulates Glucose Production via the Hepatic Sympathetic Innervation in Rats. Diabetes, 2010, 59, 1591-1600.	0.3	33
81	Suprachiasmatic Nucleus and Autonomic Nervous System Influences on Awakening From Sleep. International Review of Neurobiology, 2010, 93, 91-107.	0.9	20
82	Pmchexpression during early development is critical for normal energy homeostasis. American Journal of Physiology - Endocrinology and Metabolism, 2010, 298, E477-E488.	1.8	33
83	The role of the autonomic nervous liver innervation in the control of energy metabolism. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2010, 1802, 416-431.	1.8	154
84	The hypothalamic clock and its control of glucose homeostasis. Trends in Endocrinology and Metabolism, 2010, 21, 402-410.	3.1	90
85	A Major Role for Perifornical Orexin Neurons in the Control of Glucose Metabolism in Rats. Diabetes, 2009, 58, 1998-2005.	0.3	136
86	A circulating ghrelin mimetic attenuates lightâ€induced phase delay of mice and lightâ€induced Fos expression in the suprachiasmatic nucleus of rats. European Journal of Neuroscience, 2008, 27, 1965-1972.	1.2	52
87	Organization of circadian functions: interaction with the body. Progress in Brain Research, 2006, 153, 341-360.	0.9	152
88	Ventromedial Arcuate Nucleus Communicates Peripheral Metabolic Information to the Suprachiasmatic Nucleus. Endocrinology, 2006, 147, 283-294.	1.4	154