Matthias Tschoep

List of Publications by Year
in descending order

326 papers	38,699 citations	2963 93 h-index	3173 186 g-index
345 all docs	345 docs citations	345 times ranked	33816 citing authors

#	Article	IF	Citations
1	Ghrelin induces adiposity in rodents. Nature, 2000, 407, 908-913.	13.7	3,566
2	The Distribution and Mechanism of Action of Ghrelin in the CNS Demonstrates a Novel Hypothalamic Circuit Regulating Energy Homeostasis. Neuron, 2003, 37, 649-661.	3.8	1,465
3	Obesity is associated with hypothalamic injury in rodents and humans. Journal of Clinical Investigation, 2012, 122, 153-162.	3.9	1,448
4	Sirt1 protects against high-fat diet-induced metabolic damage. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 9793-9798.	3.3	841
5	Ghrelin modulates the activity and synaptic input organization of midbrain dopamine neurons while promoting appetite. Journal of Clinical Investigation, 2006, 116, 3229-3239.	3.9	836
6	Ghrelin. Molecular Metabolism, 2015, 4, 437-460.	3.0	810
7	Ghrelin controls hippocampal spine synapse density and memory performance. Nature Neuroscience, 2006, 9, 381-388.	7.1	738
8	A guide to analysis of mouse energy metabolism. Nature Methods, 2012, 9, 57-63.	9.0	655
9	UCP2 mediates ghrelinâ€™s action on NPY/AgRP neurons by lowering free radicals. Nature, 2008, 454, 846-851.	13.7	633
10	Extent and Direction of Ghrelin Transport Across the Blood-Brain Barrier Is Determined by Its Unique Primary Structure. Journal of Pharmacology and Experimental Therapeutics, 2002, 302, 822-827.	1.3	592
11	Dietary Fructose Reduces Circulating Insulin and Leptin, Attenuates Postprandial Suppression of Ghrelin, and Increases Triglycerides in Women. Journal of Clinical Endocrinology and Metabolism, 2004, 89, 2963-2972.	1.8	586
12	Animal models of obesity and diabetes mellitus. Nature Reviews Endocrinology, 2018, 14, 140-162.	4.3	563
13	Sirtuin 1 and Sirtuin 3: Physiological Modulators of Metabolism. Physiological Reviews, 2012, 92, 1479-1514.	13.1	551
14	Metabolic Activation of Intrahepatic CD8+ T Cells and NKT Cells Causes Nonalcoholic Steatohepatitis and Liver Cancer via Cross-Talk with Hepatocytes. Cancer Cell, 2014, 26, 549-564.	7.7	531
15	A new glucagon and GLP-1 co-agonist eliminates obesity in rodents. Nature Chemical Biology, 2009, 5, 749-757.	3.9	512
16	A rationally designed monomeric peptide triagonist corrects obesity and diabetes in rodents. Nature Medicine, 2015, 21, 27-36.	15.2	481
17	Unimolecular Dual Incretins Maximize Metabolic Benefits in Rodents, Monkeys, and Humans. Science Translational Medicine, 2013, 5, 209ra151.	5.8	461
18	Hypothalamic Fatty Acid Metabolism Mediates the Orexigenic Action of Ghrelin. Cell Metabolism, 2008, 7, 389-399.	7.2	417

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19	Ghrelin action in the brain controls adipocyte metabolism. Journal of Clinical Investigation, 2006, 116, 1983-1993.	3.9	397
20	Astrocytic Insulin Signaling Couples Brain Glucose Uptake with Nutrient Availability. Cell, 2016, 166, 867-880.	13.5	382
21	HIGH ALTITUDE INCREASES CIRCULATING INTERLEUKIN-6, INTERLEUKIN-1 RECEPTOR ANTAGONIST AND C-REACTIVE PROTEIN. Cytokine, 2000, 12, 246-252.	1.4	376
22	Synaptic input organization of the melanocortin system predicts diet-induced hypothalamic reactive gliosis and obesity. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 14875-14880.	3.3	370
23	Anti-obesity drugs: past, present and future. DMM Disease Models and Mechanisms, 2012, 5, 621-626.	1.2	360
24	GOAT links dietary lipids with the endocrine control of energy balance. Nature Medicine, 2009, 15, 741-745.	15.2	359
25	Anti-obesity drug discovery: advances and challenges. Nature Reviews Drug Discovery, 2022, 21, 201-223.	21.5	357
26	The central melanocortin system directly controls peripheral lipid metabolism. Journal of Clinical Investigation, 2007, 117, 3475-3488.	3.9	341
27	Osteopontin mediates obesity-induced adipose tissue macrophage infiltration and insulin resistance in mice. Journal of Clinical Investigation, 2007, 117, 2877-2888.	3.9	319
28	High Circulating Ghrelin: A Potential Cause for Hyperphagia and Obesity in Prader-Willi Syndrome. Journal of Clinical Endocrinology and Metabolism, 2002, 87, 5461-5464.	1.8	317
29	Ghrelin in the regulation of body weight and metabolism. Frontiers in Neuroendocrinology, 2010, 31, 44-60.	2.5	300
30	The metabolic actions of glucagon revisited. Nature Reviews Endocrinology, 2010, 6, 689-697.	4.3	292
31	Cannabinoids, opioids and eating behavior: The molecular face of hedonism?. Brain Research Reviews, 2006, 51, 85-107.	9.1	288
32	Epigenetic germline inheritance of diet-induced obesity and insulin resistance. Nature Genetics, 2016, 48, 497-499.	9.4	287
33	Ghrelin Suppresses Glucose-Stimulated Insulin Secretion and Deteriorates Glucose Tolerance in Healthy Humans. Diabetes, 2010, 59, 2145-2151.	0.3	281
34	Exposure to elevated levels of dietary fat attenuates psychostimulant reward and mesolimbic dopamine turnover in the rat.. Behavioral Neuroscience, 2008, 122, 1257-1263.	0.6	279
35	Identification of proliferative and mature Î²-cells in the islets of Langerhans. Nature, 2016, 535, 430-434.	13.7	279
36	Leptin signaling in astrocytes regulates hypothalamic neuronal circuits and feeding. Nature Neuroscience, 2014, 17, 908-910.	7.1	268

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37	Cooperation between brain and islet in glucose homeostasis and diabetes. Nature, 2013, 503, 59-66.	13.7	261
38	Atlas of Circadian Metabolism Reveals System-wide Coordination and Communication between Clocks. Cell, 2018, 174, 1571-1585.e11.	13.5	258
39	Ghrelin Promotes and Protects Nigrostriatal Dopamine Function via a UCP2-Dependent Mitochondrial Mechanism. Journal of Neuroscience, 2009, 29, 14057-14065.	1.7	245
40	Targeted estrogen delivery reverses the metabolic syndrome. Nature Medicine, 2012, 18, 1847-1856.	15.2	241
41	The Sustained Effects of a Dual GIP/GLP-1 Receptor Agonist, NNC0090-2746, in Patients with Type 2 Diabetes. Cell Metabolism, 2017, 26, 343-352.e2.	7.2	238
42	Glucose and Weight Control in Mice with a Designed Ghrelin O-Acyltransferase Inhibitor. Science, 2010, 330, 1689-1692.	6.0	234
43	Gut-Brain Cross-Talk in Metabolic Control. Cell, 2017, 168, 758-774.	13.5	218
44	Hormones and diet, but not body weight, control hypothalamic microglial activity. Glia, 2014, 62, 17-25.	2.5	203
45	Challenges and Opportunities of Defining Clinical Leptin Resistance. Cell Metabolism, 2012, 15, 150-156.	7.2	201
46	Role of astrocytes, microglia, and tanycytes in brain control of systemic metabolism. Nature Neuroscience, 2019, 22, 7-14.	7.1	200
47	Unimolecular Polypharmacy for Treatment of Diabetes and Obesity. Cell Metabolism, 2016, 24, 51-62.	7.2	198
48	Rodent obesity models: An overview. Experimental and Clinical Endocrinology and Diabetes, 2001, 109, 307-319.	0.6	192
49	Fibroblast Growth Factor 21 Mediates Specific Glucagon Actions. Diabetes, 2013, 62, 1453-1463.	0.3	191
50	Direct Control of Brown Adipose Tissue Thermogenesis by Central Nervous System Glucagon-Like Peptide-1 Receptor Signaling. Diabetes, 2012, 61, 2753-2762.	0.3	188
51	Plasma Ghrelin, Obesity, and the Polycystic Ovary Syndrome: Correlation with Insulin Resistance and Androgen Levels. Journal of Clinical Endocrinology and Metabolism, 2002, 87, 5625-5629.	1.8	180
52	Plasma proteome profiling discovers novel proteins associated with nonâ€alcoholic fatty liver disease. Molecular Systems Biology, 2019, 15, e8793.	3.2	176
53	A role for Î²-melanocyte-stimulating hormone in human body-weight regulation. Cell Metabolism, 2006, 3, 141-146.	7.2	171
54	Effect of Human Body Weight Changes on Circulating Levels of Peptide YY and Peptide YY3â€"36. Journal of Clinical Endocrinology and Metabolism, 2007, 92, 583-588.	1.8	162

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55	Hypothalamic PGC-1Î± Protects Against High-Fat Diet Exposure by Regulating ERÎ±. Cell Reports, 2014, 9, 633-645.	2.9	159
56	Simultaneous deletion of ghrelin and its receptor increases motor activity and energy expenditure. American Journal of Physiology - Renal Physiology, 2008, 294, G610-G618.	1.6	153
57	Chemical Hybridization of Glucagon and Thyroid Hormone Optimizes Therapeutic Impact for Metabolic Disease. Cell, 2016, 167, 843-857.e14.	13.5	153
58	Safety, tolerability and pharmacokinetics of intravenous ghrelin for cancer-related anorexia/cachexia: a randomised, placebo-controlled, double-blind, double-crossover study. British Journal of Cancer, 2008, 98, 300-308.	2.9	146
59	Peripheral, but Not Central, CB1 Antagonism Provides Food Intakeâ€"Independent Metabolic Benefits in Diet-Induced Obese Rats. Diabetes, 2008, 57, 2977-2991.	0.3	145
60	Direct Control of Peripheral Lipid Deposition by CNS GLP-1 Receptor Signaling Is Mediated by the Sympathetic Nervous System and Blunted in Diet-Induced Obesity. Journal of Neuroscience, 2009, 29, 5916-5925.	1.7	144
61	Inhibition of ghrelin action in vitro and in vivo by an RNA-Spiegelmer. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 13174-13179.	3.3	142
62	Ghrelin Enhances Olfactory Sensitivity and Exploratory Sniffing in Rodents and Humans. Journal of Neuroscience, 2011, 31, 5841-5846.	1.7	141
63	Anti-Obesity Therapy: from Rainbow Pills to Polyagonists. Pharmacological Reviews, 2018, 70, 712-746.	7.1	137
64	Adipocyte LDL receptorâ€"related proteinâ€"1 expression modulates postprandial lipid transport and glucose homeostasis in mice. Journal of Clinical Investigation, 2007, 117, 3271-3282.	3.9	135
65	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
66	Hypothalamic innate immune reaction in obesity. Nature Reviews Endocrinology, 2015, 11, 339-351.	4.3	133
67	Optimized GIP analogs promote body weight lowering in mice through GIPR agonism not antagonism. Molecular Metabolism, 2019, 20, 51-62.	3.0	130
68	The Effects of Vertical Sleeve Gastrectomy in Rodents Are Ghrelin Independent. Gastroenterology, 2013, 144, 50-52.e5.	0.6	129
69	KSR2 Is an Essential Regulator of AMP Kinase, Energy Expenditure, and Insulin Sensitivity. Cell Metabolism, 2009, 10, 366-378.	7.2	128
70	Reappraisal of GIP Pharmacology for Metabolic Diseases. Trends in Molecular Medicine, 2016, 22, 359-376.	3.5	128
71	The glucose-dependent insulinotropic polypeptide (GIP) regulates body weight and food intake via CNS-GIPR signaling. Cell Metabolism, 2021, 33, 833-844.e5.	7.2	128
72	GLP-1/glucagon receptor co-agonism for treatment of obesity. Diabetologia, 2017, 60, 1851-1861.	2.9	126

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73	The Melanocortin-3 Receptor Is Required for Entrainment to Meal Intake. Journal of Neuroscience, 2008, 28, 12946-12955.	1.7	120
74	Modulatory calcineurin-interacting proteins 1 and 2 function as calcineurin facilitators in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 7327-7332.	3.3	118
75	Ghrelin regulation of glucose metabolism. Peptides, 2018, 100, 236-242.	1.2	117
76	GLP-1/Glucagon Coagonism Restores Leptin Responsiveness in Obese Mice Chronically Maintained on an Obesogenic Diet. Diabetes, 2014, 63, 1422-1427.	0.3	116
77	The Cannabinoid Receptor 2 Is Critical for the Host Response to Sepsis. Journal of Immunology, 2009, 183, 499-505.	0.4	113
78	Targeting the Incretin/Glucagon System With Triagonists to Treat Diabetes. Endocrine Reviews, 2018, 39, 719-738.	8.9	113
79	Optimization of coâ€agonism at GLPâ€1 and glucagon receptors to safely maximize weight reduction in DIOâ€rodents. Biopolymers, 2012, 98, 443-450.	1.2	110
80	PYY3-36 as an anti-obesity drug target. Obesity Reviews, 2005, 6, 307-322.	3.1	109
81	Therapeutic Potential of Targeting the Ghrelin Pathway. International Journal of Molecular Sciences, 2017, 18, 798.	1.8	109
82	Synaptic plasticity in neuronal circuits regulating energy balance. Nature Neuroscience, 2012, 15, 1336-1342.	7.1	108
83	p62 Links Î²-adrenergic input to mitochondrial function and thermogenesis. Journal of Clinical Investigation, 2013, 123, 469-478.	3.9	107
84	<i>Central Nervous System Regulation of Energy Metabolism</i>. Annals of the New York Academy of Sciences, 2008, 1126, 14-19.	1.8	105
85	Peripheral ghrelin enhances sweet taste food consumption and preference, regardless of its caloric content. Physiology and Behavior, 2010, 101, 277-281.	1.0	104
86	Dietary sugars, not lipids, drive hypothalamic inflammation. Molecular Metabolism, 2017, 6, 897-908.	3.0	104
87	A Role for Brain-Specific Homeobox Factor Bsx in the Control of Hyperphagia and Locomotory Behavior. Cell Metabolism, 2007, 5, 450-463.	7.2	103
88	Testosterone Replacement Therapy Restores Normal Ghrelin in Hypogonadal Men. Journal of Clinical Endocrinology and Metabolism, 2003, 88, 4139-4143.	1.8	102
89	Ghrelinâ€induced adiposity is independent of orexigenic effects. FASEB Journal, 2011, 25, 2814-2822.	0.2	101
90	Both Acyl and Des-Acyl Ghrelin Regulate Adiposity and Glucose Metabolism via Central Nervous System Ghrelin Receptors. Diabetes, 2014, 63, 122-131.	0.3	100

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91	Long-Term Cold Adaptation Does Not Require FGF21 or UCP1. Cell Metabolism, 2017, 26, 437-446.e5.	7.2	100
92	A functional role for the p62â€“ERK1 axis in the control of energy homeostasis and adipogenesis. EMBO Reports, 2010, 11, 226-232.	2.0	97
93	Endogenous and exogenous glucocorticoids decrease plasma ghrelin in humans. European Journal of Endocrinology, 2004, 151, 113-117.	1.9	96
94	Gut hormone polyagonists for the treatment of type 2 diabetes. Peptides, 2018, 100, 190-201.	1.2	96
95	Ghrelin, obesity and diabetes. Nature Clinical Practice Endocrinology and Metabolism, 2007, 3, 705-712.	2.9	94
96	Targeted pharmacological therapy restores Î²-cell function for diabetes remission. Nature Metabolism, 2020, 2, 192-209.	5.1	93
97	Ghrelin Is Produced in Taste Cells and Ghrelin Receptor Null Mice Show Reduced Taste Responsivity to Salty (NaCl) and Sour (Citric Acid) Tastants. PLoS ONE, 2010, 5, e12729.	1.1	93
98	TNFÎ± drives mitochondrial stress in POMC neurons in obesity. Nature Communications, 2017, 8, 15143.	5.8	92
99	Emerging hormonal-based combination pharmacotherapies for the treatment of metabolic diseases. Nature Reviews Endocrinology, 2019, 15, 90-104.	4.3	92
100	Mutually Opposite Signal Modulation by Hypothalamic Heterodimerization of Ghrelin and Melanocortin-3 Receptors. Journal of Biological Chemistry, 2011, 286, 39623-39631.	1.6	90
101	Defective Lipid Delivery Modulates Glucose Tolerance and Metabolic Response to Diet in Apolipoprotein Eâ€“Deficient Mice. Diabetes, 2008, 57, 5-12.	0.3	88
102	N-acyl Taurines and Acylcarnitines Cause an Imbalance in Insulin Synthesis and Secretion Provoking Î² Cell Dysfunction in Type 2 Diabetes. Cell Metabolism, 2017, 25, 1334-1347.e4.	7.2	87
103	Monomeric GLP-1/GIP/glucagon triagonism corrects obesity, hepatosteatosis, and dyslipidemia in female mice. Molecular Metabolism, 2017, 6, 440-446.	3.0	87
104	Melanocortin signaling in the CNS directly regulates circulating cholesterol. Nature Neuroscience, 2010, 13, 877-882.	7.1	86
105	CNS Leptin Action Modulates Immune Response and Survival in Sepsis. Journal of Neuroscience, 2010, 30, 6036-6047.	1.7	86
106	Mechanisms of oleoylethanolamide-induced changes in feeding behavior and motor activity. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2005, 289, R729-R737.	0.9	83
107	Peptide lipidation stabilizes structure to enhance biological function. Molecular Metabolism, 2013, 2, 468-479.	3.0	83
108	Incretin-like effects of small molecule trace amine-associated receptor 1 agonists. Molecular Metabolism, 2016, 5, 47-56.	3.0	82

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109	Adipocyte p62/SQSTM1 Suppresses Tumorigenesis through Opposite Regulations of Metabolism in Adipose Tissue and Tumor. Cancer Cell, 2018, 33, 770-784.e6.	7.7	81
110	Hyperphagia, lower body temperature, and reduced running wheel activity precede development of morbid obesity in New Zealand obese mice. Physiological Genomics, 2006, 25, 234-241.	1.0	80
111	POMC neuronal heterogeneity in energy balance and beyond: an integrated view. Nature Metabolism, 2021, 3, 299-308.	5.1	80
112	Îºâ€Opioid receptors control the metabolic response to a highâ€energy diet in mice. FASEB Journal, 2010, 24, 1151-1159.	0.2	78
113	Cannabinoid receptor 1 (CB1) antagonism enhances glucose utilisation and activates brown adipose tissue in diet-induced obese mice. Diabetologia, 2011, 54, 3121-3131.	2.9	77
114	Induction of ketosis in rats fed low-carbohydrate, high-fat diets depends on the relative abundance of dietary fat and protein. American Journal of Physiology - Endocrinology and Metabolism, 2011, 300, E65-E76.	1.8	76
115	The pharmacokinetics of acyl, des-acyl, and total ghrelin in healthy human subjects. European Journal of Endocrinology, 2013, 168, 821-828.	1.9	75
116	Gastric bypass surgery for treatment of hypothalamic obesity after craniopharyngioma therapy. Nature Clinical Practice Endocrinology and Metabolism, 2007, 3, 606-609.	2.9	73
117	Peptide YY Regulates Bone Turnover in Rodents. Gastroenterology, 2007, 133, 1534-1543.	0.6	73
118	GOAT: the master switch for the ghrelin system?. European Journal of Endocrinology, 2010, 163, 1-8.	1.9	73
119	How diabetes went to our heads. Nature Medicine, 2006, 12, 47-49.	15.2	71
120	High-fat diet exposure induces IgG accumulation in hypothalamic microglia. DMM Disease Models and Mechanisms, 2012, 5, 686-90.	1.2	71
121	Calcineurin Links Mitochondrial Elongation with Energy Metabolism. Cell Metabolism, 2015, 22, 838-850.	7.2	71
122	A Stat6/Pten Axis Links Regulatory T Cells with Adipose Tissue Function. Cell Metabolism, 2017, 26, 475-492.e7.	7.2	71
123	Gastric Bypass Surgery Attenuates Ethanol Consumption in Ethanol-Preferring Rats. Biological Psychiatry, 2012, 72, 354-360.	0.7	70
124	Estrogen, astrocytes and the neuroendocrine control of metabolism. Reviews in Endocrine and Metabolic Disorders, 2013, 14, 331-338.	2.6	70
125	Brown fat in a protoendothermic mammal fuels eutherian evolution. Nature Communications, 2013, 4, 2140.	5.8	70
126	Voluntary Exercise Improves High-Fat Diet-Induced Leptin Resistance Independent of Adiposity. Endocrinology, 2011, 152, 2655-2664.	1.4	68

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127	Hypothalamic leptin action is mediated by histone deacetylase 5. Nature Communications, 2016, 7, 10782.	5.8	68
128	Obesity-associated hyperleptinemia alters the gliovascular interface of the hypothalamus to promote hypertension. Cell Metabolism, 2021, 33, 1155-1170.e10.	7.2	68
129	Ghrelin as a Potential Anti-Obesity Target. Current Pharmaceutical Design, 2003, 9, 1383-1395.	0.9	68
130	Spare mitochondrial respiratory capacity permits human adipocytes to maintain ATP homeostasis under hypoglycemic conditions. FASEB Journal, 2014, 28, 761-770.	0.2	67
131	Postprandial ghrelin release in anorectic patients before and after weight gain. Psychoneuroendocrinology, 2005, 30, 577-581.	1.3	66
132	An anatomic basis for the communication of hypothalamic, cortical and mesolimbic circuitry in the regulation of energy balance. European Journal of Neuroscience, 2009, 30, 415-430.	1.2	66
133	The Role of Ghrelin in the Control of Energy Balance. Handbook of Experimental Pharmacology, 2012, , 161-184.	0.9	66
134	Hypothalamic Astrocytes in Obesity. Endocrinology and Metabolism Clinics of North America, 2013, 42, 57-66.	1.2	66
135	Identification of GPR83 as the receptor for the neuroendocrine peptide PEN. Science Signaling, 2016, 9, ra43.	1.6	66
136	Molecular Integration of Incretin and Glucocorticoid Action Reverses Immunometabolic Dysfunction and Obesity. Cell Metabolism, 2017, 26, 620-632.e6.	7.2	66
137	Getting to the core of the gut microbiome. Nature Biotechnology, 2009, 27, 344-346.	9.4	65
138	The orphan receptor Gpr83 regulates systemic energy metabolism via ghrelin-dependent and ghrelin-independent mechanisms. Nature Communications, 2013, 4, 1968.	5.8	64
139	Fluorescent bloodâ€“brain barrier tracing shows intact leptin transport in obese mice. International Journal of Obesity, 2019, 43, 1305-1318.	1.6	64
140	Brain Circuits Regulating Energy Homeostasis. Neuroscientist, 2004, 10, 235-246.	2.6	63
141	Brainâ€“gutâ€“adipose-tissue communication pathways at a glance. DMM Disease Models and Mechanisms, 2012, 5, 583-587.	1.2	63
142	Evidence for three genetic loci involved in both anorexia nervosa risk and variation of body mass index. Molecular Psychiatry, 2017, 22, 192-201.	4.1	63
143	Revisiting energy expenditure: how to correct mouse metabolic rate for body mass. Nature Metabolism, 2021, 3, 1134-1136.	5.1	63
144	Postprandial lysophospholipid suppresses hepatic fatty acid oxidation: the molecular link between group 1B phospholipase A₂and dietâ€induced obesity. FASEB Journal, 2010, 24, 2516-2524.	0.2	62

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145	Glucagon regulation of energy metabolism. Physiology and Behavior, 2010, 100, 545-548.	1.0	62
146	Inverse Agonistic Action of 3-Iodothyronamine at the Human Trace Amine-Associated Receptor 5. PLoS ONE, 2015, 10, e0117774.	1.1	62
147	Ghrelin acylation and metabolic control. Peptides, 2011, 32, 2301-2308.	1.2	61
148	Mice lacking Î´â€opioid receptors resist the development of dietâ€induced obesity. FASEB Journal, 2012, 26, 3483-3492.	0.2	61
149	Long-term effects of ghrelin and ghrelin receptor agonists on energy balance in rats. American Journal of Physiology - Endocrinology and Metabolism, 2008, 295, E78-E84.	1.8	60
150	Roux-en-Y Gastric Bypass Surgery But Not Vertical Sleeve Gastrectomy Decreases Bone Mass in Male Rats. Endocrinology, 2013, 154, 2015-2024.	1.4	60
151	GLP-1 and estrogen conjugate acts in the supramammillary nucleus to reduce food-reward and body weight. Neuropharmacology, 2016, 110, 396-406.	2.0	60
152	Endogenous FGF21-signaling controls paradoxical obesity resistance of UCP1-deficient mice. Nature Communications, 2020, 11, 624.	5.8	60
153	Glucocorticoid Signaling in the Arcuate Nucleus Modulates Hepatic Insulin Sensitivity. Diabetes, 2012, 61, 339-345.	0.3	59
154	Dual melanocortinâ€4 receptor and GLP â€1 receptor agonism amplifies metabolic benefits in dietâ€induced obese mice. EMBO Molecular Medicine, 2015, 7, 288-298.	3.3	59
155	Regulation of body weight and energy homeostasis by neuronal cell adhesion molecule 1. Nature Neuroscience, 2017, 20, 1096-1103.	7.1	59
156	Disruption of Lipid Uptake in Astroglia Exacerbates Diet-Induced Obesity. Diabetes, 2017, 66, 2555-2563.	0.3	59
157	Impaired glucose tolerance in rats fed low-carbohydrate, high-fat diets. American Journal of Physiology - Endocrinology and Metabolism, 2013, 305, E1059-E1070.	1.8	58
158	Obesity and the Neuroendocrine Control of Energy Homeostasis: The Role of Spontaneous Locomotor Activity. Journal of Nutrition, 2005, 135, 1314-1319.	1.3	56
159	Effect of central administration of QRFP(26) peptide on energy balance and characterization of a second QRFP receptor in rat. Brain Research, 2006, 1119, 133-149.	1.1	56
160	The endocannabinoid system: Role in glucose and energy metabolism. Pharmacological Research, 2009, 60, 93-98.	3.1	56
161	Ghrelin and cannabinoids require the ghrelin receptor to affect cellular energy metabolism. Molecular and Cellular Endocrinology, 2013, 365, 303-308.	1.6	56
162	Fibroblast activation protein (FAP) as a novel metabolic target. Molecular Metabolism, 2016, 5, 1015-1024.	3.0	56

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163	High calorie diet triggers hypothalamic angiopathy. Molecular Metabolism, 2012, 1, 95-100.	3.0	55
164	Deletion of Monoglyceride Lipase in Astrocytes Attenuates Lipopolysaccharide-induced Neuroinflammation. Journal of Biological Chemistry, 2016, 291, 913-923.	1.6	55
165	Inceptor counteracts insulin signalling in Î²-cells to control glycaemia. Nature, 2021, 590, 326-331.	13.7	55
166	Dietary triglycerides act on mesolimbic structures to regulate the rewarding and motivational aspects of feeding. Molecular Psychiatry, 2014, 19, 1095-1105.	4.1	54
167	High-fat-diet-induced obesity causes an inflammatory and tumor-promoting microenvironment in the rat kidney. DMM Disease Models and Mechanisms, 2012, 5, 627-35.	1.2	53
168	Altered Lipid and Salt Taste Responsivity in Ghrelin and GOAT Null Mice. PLoS ONE, 2013, 8, e76553.	1.1	53
169	miR-184 Regulates Pancreatic Î²-Cell Function According to Glucose Metabolism. Journal of Biological Chemistry, 2015, 290, 20284-20294.	1.6	53
170	Bsx, a Novel Hypothalamic Factor Linking Feeding with Locomotor Activity, Is Regulated by Energy Availability. Endocrinology, 2008, 149, 3009-3015.	1.4	52
171	A Role for Astrocytes in the Central Control of Metabolism. Neuroendocrinology, 2011, 93, 143-149.	1.2	52
172	Circulating Triglycerides Gate Dopamine-Associated Behaviors through DRD2-Expressing Neurons. Cell Metabolism, 2020, 31, 773-790.e11.	7.2	52
173	Development of diabetes in obese, insulin-resistant mice: essential role of dietary carbohydrate in beta cell destruction. Diabetologia, 2007, 50, 1481-1489.	2.9	51
174	Comparison of hydrogenated vegetable shortening and nutritionally complete high-fat diet on limited access-binge behavior in rats. Physiology and Behavior, 2007, 92, 924-930.	1.0	50
175	Ghrelin and PYY in the regulation of energy balance and metabolism: lessons from mouse mutants. American Journal of Physiology - Endocrinology and Metabolism, 2010, 298, E909-E919.	1.8	50
176	Exendin-4 increases blood glucose levels acutely in rats by activation of the sympathetic nervous system. American Journal of Physiology - Endocrinology and Metabolism, 2010, 298, E1088-E1096.	1.8	49
177	The GOAT-Ghrelin System Is Not Essential for Hypoglycemia Prevention during Prolonged Calorie Restriction. PLoS ONE, 2012, 7, e32100.	1.1	48
178	Ghrelin-induced food intake and adiposity depend on central mTORC1/S6K1 signaling. Molecular and Cellular Endocrinology, 2013, 381, 280-290.	1.6	48
179	Physiologic Concentrations of Exogenously Infused Ghrelin Reduces Insulin Secretion Without Affecting Insulin Sensitivity in Healthy Humans. Journal of Clinical Endocrinology and Metabolism, 2013, 98, 2536-2543.	1.8	47
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