Miguel Lopez

List of Publications by Citations

237 papers	11,600 citations	59 h-index	100 g-index
246 ext. papers	13,371 ext. citations	7.6 avg, IF	6.31 L-index

#	Paper	IF	Citations
237	Ghrelin. *Molecular Metabolism*, **2015**, 4, 437-60	8.8	588
236	Hypothalamic AMPK and fatty acid metabolism mediate thyroid regulation of energy balance. *Nature Medicine*, **2010**, 16, 1001-8	50.5	502
235	BMP8B increases brown adipose tissue thermogenesis through both central and peripheral actions. *Cell*, **2012**, 149, 871-85	56.2	419
234	AMPK: a metabolic gauge regulating whole-body energy homeostasis. *Trends in Molecular Medicine*, **2008**, 14, 539-49	11.5	412
233	Hypothalamic fatty acid metabolism mediates the orexigenic action of ghrelin. *Cell Metabolism*, **2008**, 7, 389-99	24.6	363
232	GLP-1 agonism stimulates brown adipose tissue thermogenesis and browning through hypothalamic AMPK. *Diabetes*, **2014**, 63, 3346-58	0.9	330
231	PPAR gamma 2 prevents lipotoxicity by controlling adipose tissue expandability and peripheral lipid metabolism. *PLoS Genetics*, **2007**, 3, e64	6	304
230	Estradiol regulates brown adipose tissue thermogenesis via hypothalamic AMPK. *Cell Metabolism*, **2014**, 20, 41-53	24.6	264
229	Ablation of PGC-1beta results in defective mitochondrial activity, thermogenesis, hepatic function, and cardiac performance. *PLoS Biology*, **2006**, 4, e369	9.7	217
228	The cellular and molecular bases of leptin and ghrelin resistance in obesity. *Nature Reviews Endocrinology*, **2017**, 13, 338-351	15.2	202
227	Agouti-related peptide, neuropeptide Y, and somatostatin-producing neurons are targets for ghrelin actions in the rat hypothalamus. *Endocrinology*, **2003**, 144, 544-51	4.8	188
226	Brain fatty acid synthase activates PPARalpha to maintain energy homeostasis. *Journal of Clinical Investigation*, **2007**, 117, 2539-52	15.9	166
225	The mammalian target of rapamycin as novel central regulator of puberty onset via modulation of hypothalamic Kiss1 system. *Endocrinology*, **2009**, 150, 5016-26	4.8	165
224	Leptin regulation of prepro-orexin and orexin receptor mRNA levels in the hypothalamus. *Biochemical and Biophysical Research Communications*, **2000**, 269, 41-5	3.4	162
223	Hypothalamic AMPK: a canonical regulator of whole-body energy balance. *Nature Reviews Endocrinology*, **2016**, 12, 421-32	15.2	161
222	AMPK and PFKFB3 mediate glycolysis and survival in response to mitophagy during mitotic arrest. *Nature Cell Biology*, **2015**, 17, 1304-16	23.4	155
221	Central ceramide-induced hypothalamic lipotoxicity and ER stress regulate energy balance. *Cell Reports*, **2014**, 9, 366-377	10.6	148

220	Tamoxifen-induced anorexia is associated with fatty acid synthase inhibition in the ventromedial nucleus of the hypothalamus and accumulation of malonyl-CoA. *Diabetes*, **2006**, 55, 1327-36	0.9	131
219	Nicotine induces negative energy balance through hypothalamic AMP-activated protein kinase. *Diabetes*, **2012**, 61, 807-17	0.9	129
218	Hypothalamic AMPK-ER Stress-JNK1 Axis Mediates the Central Actions of Thyroid Hormones on Energy Balance. *Cell Metabolism*, **2017**, 26, 212-229.e12	24.6	128
217	Energy balance regulation by thyroid hormones at central level. *Trends in Molecular Medicine*, **2013**, 19, 418-27	11.5	124
216	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, 5916-25	6.6	122
215	The central Sirtuin 1/p53 pathway is essential for the orexigenic action of ghrelin. *Diabetes*, **2011**, 60, 1177-85	0.9	121
214	Hypothalamic-autonomic control of energy homeostasis. *Endocrine*, **2015**, 50, 276-91	4	113
213	Hypothalamic fatty acid metabolism: a housekeeping pathway that regulates food intake. *BioEssays* , **2007**, 29, 248-61	4.1	113
212	Using brown adipose tissue to treat obesity - the central issue. *Trends in Molecular Medicine*, **2011**, 17, 405-11	11.5	109
211	The brain and brown fat. *Annals of Medicine*, **2015**, 47, 150-68	1.5	104
210	Thyroid hormones induce browning of white fat. *Journal of Endocrinology*, **2017**, 232, 351-362	4.7	96
209	Ghrelin effects on neuropeptides in the rat hypothalamus depend on fatty acid metabolism actions on BSX but not on gender. *FASEB Journal*, **2010**, 24, 2670-9	0.9	95
208	The opioid system and food intake: homeostatic and hedonic mechanisms. *Obesity Facts*, **2012**, 5, 196-207	3.1	93
207	Hypothalamic levels of NPY, MCH, and prepro-orexin mRNA during pregnancy and lactation in the rat: role of prolactin. *FASEB Journal*, **2003**, 17, 1392-400	0.9	90
206	Hypothalamic mTOR signaling mediates the orexigenic action of ghrelin. *PLoS ONE*, **2012**, 7, e46923	3.7	89
205	Central resistin regulates hypothalamic and peripheral lipid metabolism in a nutritional-dependent fashion. *Endocrinology*, **2008**, 149, 4534-43	4.8	88
204	Role of ghrelin in reproduction. *Reproduction*, **2007**, 133, 531-40	3.8	88
203	A possible role of neuropeptide Y, agouti-related protein and leptin receptor isoforms in hypothalamic programming by perinatal feeding in the rat. *Diabetologia*, **2005**, 48, 140-8	10.3	86

202	Essential role of UCP1 modulating the central effects of thyroid hormones on energy balance. *Molecular Metabolism*, **2016**, 5, 271-282	8.8	85
201	Estrogens and the control of energy homeostasis: a brain perspective. *Trends in Endocrinology and Metabolism*, **2015**, 26, 411-21	8.8	82
200	Central ghrelin regulates peripheral lipid metabolism in a growth hormone-independent fashion. *Endocrinology*, **2009**, 150, 4562-74	4.8	80
199	A Functional Link between AMPK and Orexin Mediates the Effect of BMP8B on Energy Balance. *Cell Reports*, **2016**, 16, 2231-2242	10.6	80
198	Hypothalamic control of lipid metabolism: focus on leptin, ghrelin and melanocortins. *Neuroendocrinology*, **2011**, 94, 1-11	5.6	79
197	Olanzapine-induced hyperphagia and weight gain associate with orexigenic hypothalamic neuropeptide signaling without concomitant AMPK phosphorylation. *PLoS ONE*, **2011**, 6, e20571	3.7	79
196	Hypothalamic mTOR pathway mediates thyroid hormone-induced hyperphagia in hyperthyroidism. *Journal of Pathology*, **2012**, 227, 209-22	9.4	75
195	Irisin, two years later. *International Journal of Endocrinology*, **2013**, 2013, 746281	2.7	75
194	Reduction of Hypothalamic Endoplasmic Reticulum Stress Activates Browning of White Fat and Ameliorates Obesity. *Diabetes*, **2017**, 66, 87-99	0.9	74
193	Transcript and metabolite analysis of the effects of tamoxifen in rat liver reveals inhibition of fatty acid synthesis in the presence of hepatic steatosis. *FASEB Journal*, **2005**, 19, 1108-19	0.9	73
192	Influence of chronic undernutrition and leptin on GOAT mRNA levels in rat stomach mucosa. *Journal of Molecular Endocrinology*, **2008**, 41, 415-21	4.5	70
191	Hypothalamic mTOR: the rookie energy sensor. *Current Molecular Medicine*, **2014**, 14, 3-21	2.5	69
190	Current Understanding of the Hypothalamic Ghrelin Pathways Inducing Appetite and Adiposity. *Trends in Neurosciences*, **2017**, 40, 167-180	13.3	67
189	Nicotine improves obesity and hepatic steatosis and ER stress in diet-induced obese male rats. *Endocrinology*, **2014**, 155, 1679-89	4.8	66
188	Hypothalamic ceramide levels regulated by CPT1C mediate the orexigenic effect of ghrelin. *Diabetes*, **2013**, 62, 2329-37	0.9	66
187	Orexin 1 receptor messenger ribonucleic acid expression and stimulation of testosterone secretion by orexin-A in rat testis. *Endocrinology*, **2004**, 145, 2297-306	4.8	66
186	Central melanin-concentrating hormone influences liver and adipose metabolism via specific hypothalamic nuclei and efferent autonomic/JNK1 pathways. *Gastroenterology*, **2013**, 144, 636-649.e6	13.3	64
185	Pharmacological inhibition of PI3K reduces adiposity and metabolic syndrome in obese mice and rhesus monkeys. *Cell Metabolism*, **2015**, 21, 558-70	24.6	63

184	Olanzapine, but not aripiprazole, weight-independently elevates serum triglycerides and activates lipogenic gene expression in female rats. *International Journal of Neuropsychopharmacology*, **2012**, 15, 163-79	5.8	63
183	Cellular Localization of Orexin Receptors in Human Pituitary*. *Journal of Clinical Endocrinology and Metabolism*, **2001**, 86, 1616-1619	5.6	63
182	Acute effects of orexigenic antipsychotic drugs on lipid and carbohydrate metabolism in rat. *Psychopharmacology*, **2012**, 219, 783-94	4.7	60
181	Traveling from the hypothalamus to the adipose tissue: The thermogenic pathway. *Redox Biology*, **2017**, 12, 854-863	11.3	59
180	Hypothalamic AMP-activated protein kinase as a mediator of whole body energy balance. *Reviews in Endocrine and Metabolic Disorders*, **2011**, 12, 127-40	10.5	59
179	Hypothalamus and thermogenesis: Heating the BAT, browning the WAT. *Molecular and Cellular Endocrinology*, **2016**, 438, 107-115	4.4	59
178	Adaptive changes of the Insig1/SREBP1/SCD1 set point help adipose tissue to cope with increased storage demands of obesity. *Diabetes*, **2013**, 62, 3697-708	0.9	56
177	Proopiomelanocortin-deficient mice are hypersensitive to the adverse metabolic effects of glucocorticoids. *Diabetes*, **2005**, 54, 2269-76	0.9	56
176	Peripheral tissue-brain interactions in the regulation of food intake. *Proceedings of the Nutrition Society*, **2007**, 66, 131-55	2.9	55
175	Cross-talk between orexins (hypocretins) and the neuroendocrine axes (hypothalamic-pituitary axes). *Frontiers in Neuroendocrinology*, **2010**, 31, 113-27	8.9	52
174	Ghrelin and lipid metabolism: key partners in energy balance. *Journal of Molecular Endocrinology*, **2011**, 46, R43-63	4.5	51
173	Hypothalamic lipotoxicity and the metabolic syndrome. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2010**, 1801, 350-61	5	51
172	Sensing the fat: fatty acid metabolism in the hypothalamus and the melanocortin system. *Peptides*, **2005**, 26, 1753-8	3.8	48
171	Central regulation of energy metabolism by estrogens. *Molecular Metabolism*, **2018**, 15, 104-115	8.8	48
170	Hypothalamic AMPK and energy balance. *European Journal of Clinical Investigation*, **2018**, 48, e12996	4.6	47
169	Ghrelin requires p53 to stimulate lipid storage in fat and liver. *Endocrinology*, **2013**, 154, 3671-9	4.8	47
168	Bsx, a novel hypothalamic factor linking feeding with locomotor activity, is regulated by energy availability. *Endocrinology*, **2008**, 149, 3009-15	4.8	46
167	Pregnancy induces resistance to the anorectic effect of hypothalamic malonyl-CoA and the thermogenic effect of hypothalamic AMPK inhibition in female rats. *Endocrinology*, **2015**, 156, 947-60	4.8	45

166	The endocannabinoid system: role in glucose and energy metabolism. *Pharmacological Research*, **2009**, 60, 93-8	10.2	45
165	Regulation of lipid metabolism by energy availability: a role for the central nervous system. *Obesity Reviews*, **2010**, 11, 185-201	10.6	44
164	Neuropeptide Y, but not agouti-related peptide or melanin-concentrating hormone, is a target peptide for orexin-A feeding actions in the rat hypothalamus. *Neuroendocrinology*, **2002**, 75, 34-44	5.6	44
163	Cellular localization of orexin receptors in human pituitary. *Journal of Clinical Endocrinology and Metabolism*, **2001**, 86, 1616-9	5.6	43
162	Estradiol Regulates Energy Balance by Ameliorating Hypothalamic Ceramide-Induced ER Stress. *Cell Reports*, **2018**, 25, 413-423.e5	10.6	43
161	Thyroid-Hormone-Induced Browning of White Adipose Tissue Does Not Contribute to Thermogenesis and Glucose Consumption. *Cell Reports*, **2019**, 27, 3385-3400.e3	10.6	42
160	Regulation of visceral adipose tissue-derived serine protease inhibitor by nutritional status, metformin, gender and pituitary factors in rat white adipose tissue. *Journal of Physiology*, **2009**, 587, 3741-50	3.9	42
159	Perinatal overfeeding in rats results in increased levels of plasma leptin but unchanged cerebrospinal leptin in adulthood. *International Journal of Obesity*, **2007**, 31, 371-7	5.5	42
158	Glucagon-Like Peptide 1 Analogs and their Effects on Pancreatic Islets. *Trends in Endocrinology and Metabolism*, **2016**, 27, 304-318	8.8	41
157	EJE PRIZE 2017: Hypothalamic AMPK: a golden target against obesity?. *European Journal of Endocrinology*, **2017**, 176, R235-R246	6.5	40
156	Hypothalamic effects of thyroid hormones on metabolism. *Best Practice and Research in Clinical Endocrinology and Metabolism*, **2014**, 28, 703-12	6.5	40
155	Prepro-orexin mRNA levels in the rat hypothalamus, and orexin receptors mRNA levels in the rat hypothalamus and adrenal gland are not influenced by the thyroid status. *Neuroscience Letters*, **2001**, 300, 171-5	3.3	40
154	Influence of ghrelin and growth hormone deficiency on AMP-activated protein kinase and hypothalamic lipid metabolism. *Journal of Neuroendocrinology*, **2010**, 22, 543-56	3.8	39
153	Neuromedin s as novel putative regulator of luteinizing hormone secretion. *Endocrinology*, **2007**, 148, 813-23	4.8	39
152	Orexin A suppresses in vivo GH secretion. *European Journal of Endocrinology*, **2004**, 150, 731-6	6.5	39
151	Uroguanylin Action in the Brain Reduces Weight Gain in Obese Mice via Different Efferent Autonomic Pathways. *Diabetes*, **2016**, 65, 421-32	0.9	37
150	Caffeine treatment regulates neuropeptide S system expression in the rat brain. *Neuroscience Letters*, **2006**, 410, 47-51	3.3	37
149	Estradiol effects on hypothalamic AMPK and BAT thermogenesis: A gateway for obesity treatment?. *Pharmacology & Therapeutics*, **2017**, 178, 109-122	13.9	36

148	Olanzapine depot formulation in rat: a step forward in modelling antipsychotic-induced metabolic adverse effects. *International Journal of Neuropsychopharmacology*, **2014**, 17, 91-104	5.8	35
147	Metabolic regulation of female puberty via hypothalamic AMPK-kisspeptin signaling. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, E10758-E10767	11.5	34
146	The atypical cannabinoid O-1602 stimulates food intake and adiposity in rats. *Diabetes, Obesity and Metabolism*, **2012**, 14, 234-43	6.7	33
145	Hepatic p63 regulates steatosis via IKK2/ER stress. *Nature Communications*, **2017**, 8, 15111	17.4	32
144	Hypothalamic GLP-1: the control of BAT thermogenesis and browning of white fat. *Adipocyte*, **2015**, 4, 141-5	3.2	32
143	Orexin-A regulates growth hormone-releasing hormone mRNA content in a nucleus-specific manner and somatostatin mRNA content in a growth hormone-dependent fashion in the rat hypothalamus. *European Journal of Neuroscience*, **2004**, 19, 2080-8	3.5	32
142	Cellular Localization of Orexin Receptors in Human Pituitary*. *Journal of Clinical Endocrinology and Metabolism*, **2001**, 86, 3444-3447	5.6	32
141	The Gut Metagenome Changes in Parallel to Waist Circumference, Brain Iron Deposition, and Cognitive Function. *Journal of Clinical Endocrinology and Metabolism*, **2017**, 102, 2962-2973	5.6	31
140	SF1-Specific AMPK1 Deletion Protects Against Diet-Induced Obesity. *Diabetes*, **2018**, 67, 2213-2226	0.9	31
139	Role of caveolins in body weight and insulin resistance regulation. *Trends in Endocrinology and Metabolism*, **2007**, 18, 177-82	8.8	31
138	3-Iodothyronamine Induces Tail Vasodilation Through Central Action in Male Mice. *Endocrinology*, **2017**, 158, 1977-1984	4.8	30
137	Hypothalamic CaMKK2 mediates glucagon anorectic effect and its diet-induced resistance. *Molecular Metabolism*, **2015**, 4, 961-70	8.8	30
136	Female Nur77-deficient mice show increased susceptibility to diet-induced obesity. *PLoS ONE*, **2013**, 8, e53836	3.7	30
135	Orexins (hypocretins) actions on the GHRH/somatostatin-GH axis. *Acta Physiologica*, **2010**, 198, 325-34	5.6	30
134	Resistin: regulation of food intake, glucose homeostasis and lipid metabolism. *Endocrine Development*, **2010**, 17, 175-184		30
133	Nicotine treatment regulates neuropeptide S system expression in the rat brain. *NeuroToxicology*, **2007**, 28, 1129-35	4.4	30
132	Liver-specific deletion of insulin receptor substrate 2 does not impair hepatic glucose and lipid metabolism in mice. *Diabetologia*, **2006**, 49, 552-61	10.3	29
131	Thyroid status regulates CART but not AgRP mRNA levels in the rat hypothalamus. *NeuroReport*, **2002**, 13, 1775-9	1.7	29

130	p53 in AgRP neurons is required for protection against diet-induced obesity via JNK1. *Nature Communications*, **2018**, 9, 3432	17.4	27
129	Hypothalamic δ-opioid receptor modulates the orexigenic effect of ghrelin. *Neuropsychopharmacology*, **2013**, 38, 1296-307	8.7	27
128	Vaspin and amylin are expressed in human and rat placenta and regulated by nutritional status. *Histology and Histopathology*, **2009**, 24, 979-90	1.4	27
127	Genetic evidence for a role of the SREBP transcription system and lipid biosynthesis in schizophrenia and antipsychotic treatment. *European Neuropsychopharmacology*, **2017**, 27, 589-598	1.2	26
126	Long-term caloric restriction ameliorates deleterious effects of aging on white and brown adipose tissue plasticity. *Aging Cell*, **2019**, 18, e12948	9.9	25
125	Recent Updates on Obesity Treatments: Available Drugs and Future Directions. *Neuroscience*, **2020**, 437, 215-239	3.9	23
124	Hypothalamic dopamine signaling regulates brown fat thermogenesis. *Nature Metabolism*, **2019**, 1, 811-829	4.6	23
123	Regulation of GPR55 in rat white adipose tissue and serum LPI by nutritional status, gestation, gender and pituitary factors. *Molecular and Cellular Endocrinology*, **2014**, 383, 159-69	4.4	23
122	Regulation of NR4A by nutritional status, gender, postnatal development and hormonal deficiency. *Scientific Reports*, **2014**, 4, 4264	4.9	23
121	Review of novel aspects of the regulation of ghrelin secretion. *Current Drug Metabolism*, **2014**, 15, 398-413	3.3	23
120	Hypothalamic kappa opioid receptor mediates both diet-induced and melanin concentrating hormone-induced liver damage through inflammation and endoplasmic reticulum stress. *Hepatology*, **2016**, 64, 1086-104	11.2	22
119	"Mens sana in corpore sano": exercise and hypothalamic ER stress. *PLoS Biology*, **2010**, 8, e1000464	9.7	22
118	Brain lipogenesis and regulation of energy metabolism. *Current Opinion in Clinical Nutrition and Metabolic Care*, **2008**, 11, 483-90	3.8	22
117	Orexin expression is regulated by alpha-melanocyte-stimulating hormone. *Journal of Neuroendocrinology*, **2007**, 19, 703-7	3.8	22
116	Orexins/Hypocretins: Key Regulators of Energy Homeostasis. *Frontiers in Endocrinology*, **2019**, 10, 830	5.7	22
115	Orexins (hypocretins) and energy balance: More than feeding. *Molecular and Cellular Endocrinology*, **2015**, 418 Pt 1, 17-26	4.4	21
114	The arcuate nucleus and neuropeptide Y contribute to the antitumorigenic effect of calorie restriction. *Aging Cell*, **2011**, 10, 483-92	9.9	21
113	New insights in ghrelin orexigenic effect. *Frontiers of Hormone Research*, **2010**, 38, 196-205	3.5	21

112	A brain-sparing diphtheria toxin for chemical genetic ablation of peripheral cell lineages. *Nature Communications*, **2017**, 8, 14967	17.4	20
111	Brain Ceramide Metabolism in the Control of Energy Balance. *Frontiers in Physiology*, **2017**, 8, 787	4.6	20
110	AMP-activated protein kinase: a cup of tea against cholesterol-induced neurotoxicity. *Journal of Pathology*, **2010**, 222, 329-34	9.4	20
109	Food-intake-regulating-neuropeptides are expressed and regulated through pregnancy and following food restriction in rat placenta. *Reproductive Biology and Endocrinology*, **2008**, 6, 14	5	20
108	Expression of neuropeptide W in rat stomach mucosa: regulation by nutritional status, glucocorticoids and thyroid hormones. *Regulatory Peptides*, **2008**, 146, 106-11		20
107	Pharmacological and Genetic Manipulation of p53 in Brown Fat at Adult But Not Embryonic Stages Regulates Thermogenesis and Body Weight in Male Mice. *Endocrinology*, **2016**, 157, 2735-49	4.8	20
106	Activation of the AMP-related kinase (AMPK) induces renal vasodilatation and downregulates Nox-derived reactive oxygen species (ROS) generation. *Redox Biology*, **2020**, 34, 101575	11.3	19
105	Pharmacological stimulation of p53 with low-dose doxorubicin ameliorates diet-induced nonalcoholic steatosis and steatohepatitis. *Molecular Metabolism*, **2018**, 8, 132-143	8.8	19
104	The L-α-Lysophosphatidylinositol/G Protein-Coupled Receptor 55 System Induces the Development of Nonalcoholic Steatosis and Steatohepatitis. *Hepatology*, **2021**, 73, 606-624	11.2	19
103	Estradiol and brown fat. *Best Practice and Research in Clinical Endocrinology and Metabolism*, **2016**, 30, 527-536	6.5	18
102	Estradiol Regulation of Brown Adipose Tissue Thermogenesis. *Advances in Experimental Medicine and Biology*, **2017**, 1043, 315-335	3.6	18
101	Hypothalamic lipids and the regulation of energy homeostasis. *Obesity Facts*, **2009**, 2, 126-35	5.1	18
100	CPT1C in the ventromedial nucleus of the hypothalamus is necessary for brown fat thermogenesis activation in obesity. *Molecular Metabolism*, **2019**, 19, 75-85	8.8	18
99	Central nicotine induces browning through hypothalamic κ-opioid receptor. *Nature Communications*, **2019**, 10, 4037	17.4	17
98	Hypothalamic KLF4 mediates leptin's effects on food intake via AgRP. *Molecular Metabolism*, **2014**, 3, 441-51	8.8	17
97	Effects of neonatal programming on hypothalamic mechanisms controlling energy balance. *Hormone and Metabolic Research*, **2013**, 45, 935-44	3.1	17
96	Gastrointestinal peptides controlling body weight homeostasis. *General and Comparative Endocrinology*, **2008**, 155, 481-95	3	17
95	Molecular mechanisms of appetite and obesity: a role for brain AMPK. *Clinical Science*, **2016**, 130, 1697-709	6.3	17

94	Angiopoietin-like protein 8/betatrophin as a new determinant of type 2 diabetes remission after bariatric surgery. *Translational Research*, **2017**, 184, 35-44.e4	11	16
93	MCH Regulates SIRT1/FoxO1 and Reduces POMC Neuronal Activity to Induce Hyperphagia, Adiposity, and Glucose Intolerance. *Diabetes*, **2019**, 68, 2210-2222	0.9	16
92	Contribution of adaptive thermogenesis to the hypothalamic regulation of energy balance. *Biochemical Journal*, **2016**, 473, 4063-4082	3.8	16
91	mTOR signaling in the arcuate nucleus of the hypothalamus mediates the anorectic action of estradiol. *Journal of Endocrinology*, **2018**, 238, 177-186	4.7	16
90	Deletion of iRhom2 protects against diet-induced obesity by increasing thermogenesis. *Molecular Metabolism*, **2020**, 31, 67-84	8.8	16
89	Glucagon, GLP-1 and Thermogenesis. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	15
88	Central manipulation of dopamine receptors attenuates the orexigenic action of ghrelin. *Psychopharmacology*, **2013**, 229, 275-83	4.7	15
87	Adiponectin receptor 2 is regulated by nutritional status, leptin and pregnancy in a tissue-specific manner. *Physiology and Behavior*, **2010**, 99, 91-9	3.5	15
86	Obesity Paradox in Ischemic Stroke: Clinical and Molecular Insights. *Translational Stroke Research*, **2019**, 10, 639-649	7.8	14
85	Central Ceramide Signaling Mediates Obesity-Induced Precocious Puberty. *Cell Metabolism*, **2020**, 32, 951-966.e8	24.6	14
84	Ferritin regulates organismal energy balance and thermogenesis. *Molecular Metabolism*, **2019**, 24, 64-79	8.8	13
83	ADAR1-Dependent RNA Editing Promotes MET and iPSC Reprogramming by Alleviating ER Stress. *Cell Stem Cell*, **2020**, 27, 300-314.e11	18	13
82	Compounds that modulate AMPK activity and hepatic steatosis impact the biosynthesis of microRNAs required to maintain lipid homeostasis in hepatocytes. *EBioMedicine*, **2020**, 53, 102697	8.8	13
81	Lack of Ovarian Secretions Reverts the Anabolic Action of Olanzapine in Female Rats. *International Journal of Neuropsychopharmacology*, **2017**, 20, 1005-1012	5.8	12
80	Regulation of lipin1 by nutritional status, adiponectin, sex and pituitary function in rat white adipose tissue. *Physiology and Behavior*, **2012**, 105, 777-83	3.5	12
79	Hypothalamic Lipids: Key Regulators of Whole Body Energy Balance. *Neuroendocrinology*, **2017**, 104, 398-411	5.6	12
78	What is the real relevance of endogenous ghrelin?. *Peptides*, **2015**, 70, 1-6	3.8	12
77	Come to Where Insulin Resistance Is, Come to AMPK Country. *Cell Metabolism*, **2015**, 21, 663-5	24.6	11

76	Acute but not chronic activation of brain glucagon-like peptide-1 receptors enhances glucose-stimulated insulin secretion in mice. *Diabetes, Obesity and Metabolism*, **2015**, 17, 789-99	6.7	11
75	Genetic Targeting of GRP78 in the VMH Improves Obesity Independently of Food Intake. *Genes*, **2018**, 9,	4.2	11
74	Hyperthyroidism differentially regulates neuropeptide S system in the rat brain. *Brain Research*, **2012**, 1450, 40-8	3.7	11
73	The orexigenic effect of orexin-A revisited: dependence of an intact growth hormone axis. *Endocrinology*, **2013**, 154, 3589-98	4.8	11
72	Regulation of peroxisome proliferator activated receptor-gamma in rat pituitary. *Journal of Neuroendocrinology*, **2005**, 17, 292-7	3.8	11
71	Acute stimulation of brain mu opioid receptors inhibits glucose-stimulated insulin secretion via sympathetic innervation. *Neuropharmacology*, **2016**, 110, 322-332	5.5	11
70	Melanin-Concentrating Hormone acts through hypothalamic kappa opioid system and p70S6K to stimulate acute food intake. *Neuropharmacology*, **2018**, 130, 62-70	5.5	11
69	Lack of Hypophagia in CB1 Null Mice is Associated to Decreased Hypothalamic POMC and CART Expression. *International Journal of Neuropsychopharmacology*, **2015**, 18,	5.8	10
68	AMPK Wars: the VMH Strikes Back, Return of the PVH. *Trends in Endocrinology and Metabolism*, **2018**, 29, 135-137	8.8	10
67	Myostatin expression is regulated by underfeeding and neonatal programming in rats. *Journal of Physiology and Biochemistry*, **2013**, 69, 15-23	5	10
66	Similarities between acylcarnitine profiles in large for gestational age newborns and obesity. *Scientific Reports*, **2017**, 7, 16267	4.9	10
65	Hypothalamic Leptin Resistance: From BBB to BBSome. *PLoS Genetics*, **2016**, 12, e1005980	6	10
64	The AMPK-Malonyl-CoA-CPT1 Axis in the Control of Hypothalamic Neuronal Function—Reply. *Cell Metabolism*, **2008**, 8, 176	24.6	9
63	Heterozygous deficiency of endoglin decreases insulin and hepatic triglyceride levels during high fat diet. *PLoS ONE*, **2013**, 8, e54591	3.7	9
62	Nicotine—actions on energy balance: Friend or foe?. *Pharmacology & Therapeutics*, **2021**, 219, 107693	13.9	9
61	Hypothalamic Regulation of Liver and Muscle Nutrient Partitioning by Brain-Specific Carnitine Palmitoyltransferase 1C in Male Mice. *Endocrinology*, **2017**, 158, 2226-2238	4.8	8
60	GPR55 and the regulation of glucose homeostasis. *International Journal of Biochemistry and Cell Biology*, **2017**, 88, 204-207	5.6	8
59	Brain-Sparing Sympathofacilitators Mitigate Obesity without Adverse Cardiovascular Effects. *Cell Metabolism*, **2020**, 31, 1120-1135.e7	24.6	8

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