Carlos Dieguez

List of Publications by Citations

359 papers	19,819 citations	78 h-index	124 g-index
372 ext. papers	22,033 ext. citations	6.3 avg, IF	6.52 L-index

#	Paper	IF	Citations
359	Kisspeptins and reproduction: physiological roles and regulatory mechanisms. *Physiological Reviews* , **2012**, 92, 1235-316	47.9	519
358	Hypothalamic AMPK and fatty acid metabolism mediate thyroid regulation of energy balance. *Nature Medicine*, **2010**, 16, 1001-8	50.5	502
357	AMPK: a metabolic gauge regulating whole-body energy homeostasis. *Trends in Molecular Medicine*, **2008**, 14, 539-49	11.5	412
356	Adipokines as emerging mediators of immune response and inflammation. *Nature Clinical Practice Rheumatology*, **2007**, 3, 716-24		386
355	Hypothalamic fatty acid metabolism mediates the orexigenic action of ghrelin. *Cell Metabolism*, **2008**, 7, 389-99	24.6	363
354	Serum leptin levels in normal children: relationship to age, gender, body mass index, pituitary-gonadal hormones, and pubertal stage. *Journal of Clinical Endocrinology and Metabolism*, **1997**, 82, 2849-55	5.6	343
353	"Eating addiction", rather than "food addiction", better captures addictive-like eating behavior. *Neuroscience and Biobehavioral Reviews*, **2014**, 47, 295-306	9	338
352	GLP-1 agonism stimulates brown adipose tissue thermogenesis and browning through hypothalamic AMPK. *Diabetes*, **2014**, 63, 3346-58	0.9	330
351	Ghrelin, a novel placental-derived hormone. *Endocrinology*, **2001**, 142, 788-94	4.8	305
350	Neuroendocrine regulation and actions of leptin. *Frontiers in Neuroendocrinology*, **1999**, 20, 317-63	8.9	293
349	Synthesis of leptin in human placenta. *Endocrinology*, **1997**, 138, 4501-4	4.8	274
348	The emerging role of adipokines as mediators of inflammation and immune responses. *Cytokine and Growth Factor Reviews*, **2007**, 18, 313-25	17.9	274
347	Leptin, from fat to inflammation: old questions and new insights. *FEBS Letters*, **2005**, 579, 295-301	3.8	274
346	Estradiol regulates brown adipose tissue thermogenesis via hypothalamic AMPK. *Cell Metabolism*, **2014**, 20, 41-53	24.6	264
345	New frontiers in kisspeptin/GPR54 physiology as fundamental gatekeepers of reproductive function. *Frontiers in Neuroendocrinology*, **2008**, 29, 48-69	8.9	241
344	Adiponectin is synthesized and secreted by human and murine cardiomyocytes. *FEBS Letters*, **2005**, 579, 5163-9	3.8	235
343	Effects of obestatin on energy balance and growth hormone secretion in rodents. *Endocrinology*, **2007**, 148, 21-6	4.8	207

342	Expression of hypothalamic KiSS-1 system and rescue of defective gonadotropic responses by kisspeptin in streptozotocin-induced diabetic male rats. *Diabetes*, **2006**, 55, 2602-10	0.9	202
341	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
340	Expression and regulation of adiponectin and receptor in human and rat placenta. *Journal of Clinical Endocrinology and Metabolism*, **2005**, 90, 4276-86	5.6	178
339	Resveratrol supplementation: Where are we now and where should we go?. *Ageing Research Reviews*, **2015**, 21, 1-15	12	168
338	Gender differences in both spontaneous and stimulated leptin secretion by human omental adipose tissue in vitro: dexamethasone and estradiol stimulate leptin release in women, but not in men. *Journal of Clinical Endocrinology and Metabolism*, **1998**, 83, 2149-55	5.6	167
337	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
336	Hypothalamic AMPK: a canonical regulator of whole-body energy balance. *Nature Reviews Endocrinology*, **2016**, 12, 421-32	15.2	161
335	Regulation of pituitary cell function by adiponectin. *Endocrinology*, **2007**, 148, 401-10	4.8	158
334	GH-releasing hormone and GH-releasing peptide-6 for diagnostic testing in GH-deficient adults. *Lancet, The*, **2000**, 356, 1137-42	40	156
333	Prevalence of hypopituitarism and growth hormone deficiency in adults long-term after severe traumatic brain injury. *Clinical Endocrinology*, **2005**, 62, 525-32	3.4	153
332	Central ceramide-induced hypothalamic lipotoxicity and ER stress regulate energy balance. *Cell Reports*, **2014**, 9, 366-377	10.6	148
331	Adipokines as novel modulators of lipid metabolism. *Trends in Biochemical Sciences*, **2009**, 34, 500-10	10.3	142
330	Early metabolic programming of puberty onset: impact of changes in postnatal feeding and rearing conditions on the timing of puberty and development of the hypothalamic kisspeptin system. *Endocrinology*, **2011**, 152, 3396-408	4.8	141
329	A GRFa2/Prop1/stem (GPS) cell niche in the pituitary. *PLoS ONE*, **2009**, 4, e4815	3.7	140
328	Influence of endogenous leptin tone on the estrous cycle and luteinizing hormone pulsatility in female rats. *Neuroendocrinology*, **1997**, 66, 375-7	5.6	136
327	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
326	Growth Hormone Secretagogues: Physiological Role and Clinical Utility. *Trends in Endocrinology and Metabolism*, **1999**, 10, 30-38	8.8	130
325	Nicotine induces negative energy balance through hypothalamic AMP-activated protein kinase. *Diabetes*, **2012**, 61, 807-17	0.9	129

324	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
323	Ghrelin, A Novel Placental-Derived Hormone*This work was supported by grants from Xunta de Galicia: PGIDT99PXI20802B, PGIDT99PXI20806B, and Fondo de Investigacio n Sanitaria, Spanish Ministry of Health, and DGCYT.		127
322	Energy balance regulation by thyroid hormones at central level. *Trends in Molecular Medicine*, **2013**, 19, 418-27	11.5	124
321	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
320	Growth hormone releasing peptide (ghrelin) is synthesized and secreted by cardiomyocytes. *Cardiovascular Research*, **2004**, 62, 481-8	9.9	122
319	Acute administration of corticoids: a new and peculiar stimulus of growth hormone secretion in man. *Journal of Clinical Endocrinology and Metabolism*, **1990**, 70, 234-7	5.6	122
318	The central Sirtuin 1/p53 pathway is essential for the orexigenic action of ghrelin. *Diabetes*, **2011**, 60, 1177-85	0.9	121
317	Dopaminergic tone and obesity: an insight from prolactinomas treated with bromocriptine. *European Journal of Endocrinology*, **2002**, 147, 77-84	6.5	120
316	Gestational profile of leptin messenger ribonucleic acid (mRNA) content in the placenta and adipose tissue in the rat, and regulation of the mRNA levels of the leptin receptor subtypes in the hypothalamus during pregnancy and lactation. *Biology of Reproduction*, **2000**, 62, 698-703	3.9	116
315	Regulation of growth hormone secretagogue receptor gene expression in the arcuate nuclei of the rat by leptin and ghrelin. *Diabetes*, **2004**, 53, 2552-8	0.9	114
314	Hypothalamic-autonomic control of energy homeostasis. *Endocrine*, **2015**, 50, 276-91	4	113
313	The L-α-lysophosphatidylinositol/GPR55 system and its potential role in human obesity. *Diabetes*, **2012**, 61, 281-91	0.9	112
312	Ghrelin, a widespread hormone: insights into molecular and cellular regulation of its expression and mechanism of action. *FEBS Letters*, **2003**, 552, 105-9	3.8	109
311	The brain and brown fat. *Annals of Medicine*, **2015**, 47, 150-68	1.5	104
310	The anorexigenic neuropeptide, nesfatin-1, is indispensable for normal puberty onset in the female rat. *Journal of Neuroscience*, **2010**, 30, 7783-92	6.6	103
309	Dual and selective actions of glucocorticoids upon basal and stimulated growth hormone release in man. *Neuroendocrinology*, **1990**, 51, 51-8	5.6	102
308	Elevated serum leptin concentrations induced by experimental acute inflammation. *Life Sciences*, **2000**, 67, 2433-41	6.8	97
307	Cholinergic receptor activation by pyridostigmine restores growth hormone (GH) responsiveness to GH-releasing hormone administration in obese subjects: evidence for hypothalamic somatostatinergic participation in the blunted GH release of obesity. *Journal of Clinical Endocrinology and Metabolism*, **1989**, 68, 290-3	5.6	97

306	Thyroid hormones induce browning of white fat. *Journal of Endocrinology*, **2017**, 232, 351-362	4.7	96
305	Food addiction in a Spanish sample of eating disorders: DSM-5 diagnostic subtype differentiation and validation data. *European Eating Disorders Review*, **2014**, 22, 389-96	5.3	95
304	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
303	Expanding the adipokine network in cartilage: identification and regulation of novel factors in human and murine chondrocytes. *Annals of the Rheumatic Diseases*, **2011**, 70, 551-9	2.4	94
302	Influence of metabolic substrates and obesity on growth hormone secretion. *Trends in Endocrinology and Metabolism*, **1995**, 6, 55-9	8.8	94
301	Defining a novel leptin-melanocortin-kisspeptin pathway involved in the metabolic control of puberty. *Molecular Metabolism*, **2016**, 5, 844-857	8.8	94
300	The opioid system and food intake: homeostatic and hedonic mechanisms. *Obesity Facts*, **2012**, 5, 196-207	3.1	93
299	Effect of central cholinergic neurotransmission enhancement by pyridostigmine on the growth hormone secretion elicited by clonidine, arginine, or hypoglycemia in normal and obese subjects. *Journal of Clinical Endocrinology and Metabolism*, **1990**, 70, 1361-70	5.6	93
298	A role for the putative cannabinoid receptor GPR55 in the islets of Langerhans. *Journal of Endocrinology*, **2011**, 211, 177-85	4.7	90
297	Hypothalamic mTOR signaling mediates the orexigenic action of ghrelin. *PLoS ONE*, **2012**, 7, e46923	3.7	89
296	Central resistin regulates hypothalamic and peripheral lipid metabolism in a nutritional-dependent fashion. *Endocrinology*, **2008**, 149, 4534-43	4.8	88
295	Role of ghrelin in reproduction. *Reproduction*, **2007**, 133, 531-40	3.8	88
294	Essential role of UCP1 modulating the central effects of thyroid hormones on energy balance. *Molecular Metabolism*, **2016**, 5, 271-282	8.8	85
293	Regulation of in vivo TSH secretion by leptin. *Regulatory Peptides*, **2000**, 92, 25-9		84
292	Novel expression of resistin in rat testis: functional role and regulation by nutritional status and hormonal factors. *Journal of Cell Science*, **2004**, 117, 3247-57	5.3	83
291	Metformin: A Hopeful Promise in Aging Research. *Cold Spring Harbor Perspectives in Medicine*, **2016**, 6, a025932	5.4	82
290	Central ghrelin regulates peripheral lipid metabolism in a growth hormone-independent fashion. *Endocrinology*, **2009**, 150, 4562-74	4.8	80
289	Circulating and cerebrospinal fluid ghrelin and leptin: potential role in altered body weight in Huntington's disease. *European Journal of Endocrinology*, **2004**, 151, 451-5	6.5	80

288	A Functional Link between AMPK and Orexin Mediates the Effect of BMP8B on Energy Balance. *Cell Reports*, **2016**, 16, 2231-2242	10.6	80
287	Hypothalamic control of lipid metabolism: focus on leptin, ghrelin and melanocortins. *Neuroendocrinology*, **2011**, 94, 1-11	5.6	79
286	Exendin-4 potently decreases ghrelin levels in fasting rats. *Diabetes*, **2007**, 56, 143-51	0.9	79
285	Central administration of resistin promotes short-term satiety in rats. *European Journal of Endocrinology*, **2005**, 153, R1-5	6.5	79
284	Dopamine receptors on intact anterior pituitary cells in culture: functional association with the inhibition of prolactin and thyrotropin. *Endocrinology*, **1983**, 112, 1567-77	4.8	79
283	Olanzapine-induced hyperphagia and weight gain associate with orexigenic hypothalamic neuropeptide signaling without concomitant AMPK phosphorylation. *PLoS ONE*, **2011**, 6, e20571	3.7	79
282	SAT-028 Leptin, Leptin Soluble Receptor and FLI in Healthy and Preeclamptic Pregnancies. *Journal of the Endocrine Society*, **2020**, 4,	0.4	78
281	Serum leptin concentrations in patients with anorexia nervosa, bulimia nervosa and non-specific eating disorders correlate with the body mass index but are independent of the respective disease. *Clinical Endocrinology*, **1997**, 46, 289-93	3.4	76
280	Regulation of resistin by gonadal, thyroid hormone, and nutritional status. *Obesity*, **2003**, 11, 408-14		76
279	Hypothalamic mTOR pathway mediates thyroid hormone-induced hyperphagia in hyperthyroidism. *Journal of Pathology*, **2012**, 227, 209-22	9.4	75
278	Irisin, two years later. *International Journal of Endocrinology*, **2013**, 2013, 746281	2.7	75
277	Serum leptin levels in male marathon athletes before and after the marathon run. *Journal of Clinical Endocrinology and Metabolism*, **1998**, 83, 2376-9	5.6	75
276	Reduction of Hypothalamic Endoplasmic Reticulum Stress Activates Browning of White Fat and Ameliorates Obesity. *Diabetes*, **2017**, 66, 87-99	0.9	74
275	Resistin is expressed in different rat tissues and is regulated in a tissue- and gender-specific manner. *FEBS Letters*, **2003**, 548, 21-7	3.8	74
274	Effect of food restriction on ghrelin in normal-cycling female rats and in pregnancy. *Obesity*, **2002**, 10, 682-7		72
273	Serum leptin levels in women throughout pregnancy and the postpartum period and in women suffering spontaneous abortion. *Clinical Endocrinology*, **1999**, 50, 211-6	3.4	72
272	Evidence for a direct pituitary inhibition by free fatty acids of in vivo growth hormone responses to growth hormone-releasing hormone in the rat. *Neuroendocrinology*, **1991**, 53, 185-9	5.6	72
271	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

270	Des-acyl ghrelin has specific binding sites and different metabolic effects from ghrelin in cardiomyocytes. *Endocrinology*, **2010**, 151, 3286-98	4.8	69
269	Adipokines in the skeleton: influence on cartilage function and joint degenerative diseases. *Journal of Molecular Endocrinology*, **2009**, 43, 11-8	4.5	68
268	Dual action of adiponectin on insulin secretion in insulin-resistant mice. *Biochemical and Biophysical Research Communications*, **2004**, 321, 154-60	3.4	68
267	Current Understanding of the Hypothalamic Ghrelin Pathways Inducing Appetite and Adiposity. *Trends in Neurosciences*, **2017**, 40, 167-180	13.3	67
266	Nicotine improves obesity and hepatic steatosis and ER stress in diet-induced obese male rats. *Endocrinology*, **2014**, 155, 1679-89	4.8	66
265	Hypothalamic ceramide levels regulated by CPT1C mediate the orexigenic effect of ghrelin. *Diabetes*, **2013**, 62, 2329-37	0.9	66
264	The dependence receptor Ret induces apoptosis in somatotrophs through a Pit-1/p53 pathway, preventing tumor growth. *EMBO Journal*, **2007**, 26, 2015-28	13	65
263	Developmental and hormonal regulation of leptin receptor (Ob-R) messenger ribonucleic acid expression in rat testis. *Biology of Reproduction*, **2001**, 64, 634-43	3.9	65
262	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
261	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
260	One ancestor, several peptides post-translational modifications of preproghrelin generate several peptides with antithetical effects. *Molecular and Cellular Endocrinology*, **2006**, 256, 1-8	4.4	61
259	Acute effects of orexigenic antipsychotic drugs on lipid and carbohydrate metabolism in rat. *Psychopharmacology*, **2012**, 219, 783-94	4.7	60
258	Activation of cholinergic neurotransmission by pyridostigmine reverses the inhibitory effect of hyperglycemia on growth hormone (GH) releasing hormone-induced GH secretion in man: does acute hyperglycemia act through hypothalamic release of somatostatin?. *Neuroendocrinology*, **1989**, 49, 551-4	5.6	60
257	Traveling from the hypothalamus to the adipose tissue: The thermogenic pathway. *Redox Biology*, **2017**, 12, 854-863	11.3	59
256	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
255	Vitamin D receptor gene expression in human pituitary gland. *Life Sciences*, **1997**, 60, 35-42	6.8	59
254	Hypothalamus and thermogenesis: Heating the BAT, browning the WAT. *Molecular and Cellular Endocrinology*, **2016**, 438, 107-115	4.4	59
253	Serum immunoreactive leptin concentrations in patients with anorexia nervosa before and after partial weight recovery. *Biochemical and Molecular Medicine*, **1997**, 60, 116-20		58

252	Obestatin-mediated proliferation of human retinal pigment epithelial cells: regulatory mechanisms. *Journal of Cellular Physiology*, **2007**, 211, 1-9	7	57
251	Regulation of His-dTrp-Ala-Trp-dPhe-Lys-NH2 (GHRP-6)-induced GH secretion in the rat. *Neuroendocrinology*, **1993**, 57, 247-56	5.6	57
250	Irisin levels during pregnancy and changes associated with the development of preeclampsia. *Journal of Clinical Endocrinology and Metabolism*, **2014**, 99, 2113-9	5.6	55
249	Peripheral tissue-brain interactions in the regulation of food intake. *Proceedings of the Nutrition Society*, **2007**, 66, 131-55	2.9	55
248	Depending on the time of administration, dexamethasone potentiates or blocks growth hormone-releasing hormone-induced growth hormone release in man. *Neuroendocrinology*, **1988**, 47, 46-9	5.6	55
247	The GH-releasing effect of ghrelin, a natural GH secretagogue, is only blunted by the infusion of exogenous somatostatin in humans. *Clinical Endocrinology*, **2002**, 56, 643-8	3.4	54
246	Nesfatin-1 in human and murine cardiomyocytes: synthesis, secretion, and mobilization of GLUT-4. *Endocrinology*, **2013**, 154, 4757-67	4.8	53
245	Altered myocardial expression of ghrelin and its receptor (GHSR-1a) in patients with severe heart failure. *Peptides*, **2010**, 31, 2222-8	3.8	53
244	Introducing GOAT: a target for obesity and anti-diabetic drugs?. *Trends in Pharmacological Sciences*, **2008**, 29, 398-401	13.2	53
243	Cross-talk between orexins (hypocretins) and the neuroendocrine axes (hypothalamic-pituitary axes). *Frontiers in Neuroendocrinology*, **2010**, 31, 113-27	8.9	52
242	Sensory stimuli directly acting at the central nervous system regulate gastric ghrelin secretion. an ex vivo organ culture study. *Endocrinology*, **2007**, 148, 3998-4006	4.8	52
241	Ghrelin: the link connecting growth with metabolism and energy homeostasis. *Reviews in Endocrine and Metabolic Disorders*, **2002**, 3, 325-38	10.5	52
240	Ghrelin and lipid metabolism: key partners in energy balance. *Journal of Molecular Endocrinology*, **2011**, 46, R43-63	4.5	51
239	Hypothalamic lipotoxicity and the metabolic syndrome. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2010**, 1801, 350-61	5	51
238	Leptin receptor gene expression and number in the brain are regulated by leptin level and nutritional status. *Journal of Physiology*, **2009**, 587, 3573-85	3.9	51
237	Obesity-induced hypogonadism in the male: premature reproductive neuroendocrine senescence and contribution of Kiss1-mediated mechanisms. *Endocrinology*, **2014**, 155, 1067-79	4.8	50
236	Craniopharyngiomas express embryonic stem cell markers (SOX2, OCT4, KLF4, and SOX9) as pituitary stem cells but do not coexpress RET/GFRA3 receptors. *Journal of Clinical Endocrinology and Metabolism*, **2012**, 97, E80-7	5.6	50
235	Sensing the fat: fatty acid metabolism in the hypothalamus and the melanocortin system. *Peptides*, **2005**, 26, 1753-8	3.8	48

234	Inhibition of growth hormone release after the combined administration of GHRH and GHRP-6 in patients with Cushing's syndrome. *Clinical Endocrinology*, **1994**, 41, 649-54	3.4	48
233	The gastric CB1 receptor modulates ghrelin production through the mTOR pathway to regulate food intake. *PLoS ONE*, **2013**, 8, e80339	3.7	48
232	Ghrelin requires p53 to stimulate lipid storage in fat and liver. *Endocrinology*, **2013**, 154, 3671-9	4.8	47
231	Bsx, a novel hypothalamic factor linking feeding with locomotor activity, is regulated by energy availability. *Endocrinology*, **2008**, 149, 3009-15	4.8	46
230	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
229	Oleoylethanolamide enhances β-adrenergic-mediated thermogenesis and white-to-brown adipocyte phenotype in epididymal white adipose tissue in rat. *DMM Disease Models and Mechanisms*, **2014**, 7, 129-41	4.1	45
228	The endocannabinoid system: role in glucose and energy metabolism. *Pharmacological Research*, **2009**, 60, 93-8	10.2	45
227	Marked GH secretion after ghrelin alone or combined with GH-releasing hormone (GHRH) in obese patients. *Clinical Endocrinology*, **2004**, 61, 250-5	3.4	45
226	Regulation of ghrelin secretion and action. *Endocrine*, **2003**, 22, 5-12		45
225	"Food Addiction" in Patients with Eating Disorders is Associated with Negative Urgency and Difficulties to Focus on Long-Term Goals. *Frontiers in Psychology*, **2016**, 7, 61	3.4	45
224	Changes in neuroendocrine and metabolic hormones induced by atypical antipsychotics in normal-weight patients with schizophrenia. *Neuroendocrinology*, **2007**, 85, 249-56	5.6	44
223	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
222	Rational design of polyarginine nanocapsules intended to help peptides overcoming intestinal barriers. *Journal of Controlled Release*, **2017**, 263, 4-17	11.7	43
221	Insulin resistance modulates iron-related proteins in adipose tissue. *Diabetes Care*, **2014**, 37, 1092-100	14.6	43
220	Effects of glucose, free fatty acids or arginine load on the GH-releasing activity of ghrelin in humans. *Clinical Endocrinology*, **2002**, 57, 265-71	3.4	43
219	Comparison between insulin tolerance test, growth hormone (GH)-releasing hormone (GHRH), GHRH plus acipimox and GHRH plus GH-releasing peptide-6 for the diagnosis of adult GH deficiency in normal subjects, obese and hypopituitary patients. *European Journal of Endocrinology*, **2003**, 149, 117-22	6.5	43
218	Estradiol Regulates Energy Balance by Ameliorating Hypothalamic Ceramide-Induced ER Stress. *Cell Reports*, **2018**, 25, 413-423.e5	10.6	43
217	Validation of the Spanish Version of the Yale Food Addiction Scale 2.0 (YFAS 2.0) and Clinical Correlates in a Sample of Eating Disorder, Gambling Disorder, and Healthy Control Participants. *Frontiers in Psychiatry*, **2018**, 9, 208	5	42

216	In1-ghrelin splicing variant is overexpressed in pituitary adenomas and increases their aggressive features. *Scientific Reports*, **2015**, 5, 8714	4.9	41
215	Ghrelin is no longer able to stimulate growth hormone secretion in patients with Cushing's syndrome but instead induces exaggerated corticotropin and cortisol responses. *Neuroendocrinology*, **2002**, 76, 390-6	5.6	41
214	Glucagon-Like Peptide 1 Analogs and their Effects on Pancreatic Islets. *Trends in Endocrinology and Metabolism*, **2016**, 27, 304-318	8.8	41
213	Hypothalamic effects of thyroid hormones on metabolism. *Best Practice and Research in Clinical Endocrinology and Metabolism*, **2014**, 28, 703-12	6.5	40
212	Ghrelin is produced by and directly activates corticotrope cells from adrenocorticotropin-secreting adenomas. *Journal of Clinical Endocrinology and Metabolism*, **2006**, 91, 2225-31	5.6	40
211	Leptin, reproduction and sex steroids. *Pituitary*, **2001**, 4, 93-9	4.3	40
210	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
209	The effects of thyroid hormone deprivation in vivo and in vitro on growth hormone (GH) responses to human pancreatic (tumor) GH-releasing factor (1-40) by dispersed rat anterior pituitary cells. *Endocrinology*, **1985**, 116, 1066-70	4.8	40
208	Food Addiction and Binge Eating: Lessons Learned from Animal Models. *Nutrients*, **2018**, 10,	6.7	39
207	Proteasome Dysfunction Associated to Oxidative Stress and Proteotoxicity in Adipocytes Compromises Insulin Sensitivity in Human Obesity. *Antioxidants and Redox Signaling*, **2015**, 23, 597-612	8.4	38
206	Extracellular fatty acid synthase: a possible surrogate biomarker of insulin resistance. *Diabetes*, **2010**, 59, 1506-11	0.9	38
205	Ghrelin localization in rat and human thyroid and parathyroid glands and tumours. *Histochemistry and Cell Biology*, **2006**, 125, 239-46	2.4	38
204	Cellular localization of orexins in human anterior pituitary. *Histochemistry and Cell Biology*, **2003**, 120, 259-64	2.4	38
203	Uroguanylin Action in the Brain Reduces Weight Gain in Obese Mice via Different Efferent Autonomic Pathways. *Diabetes*, **2016**, 65, 421-32	0.9	37
202	Caffeine treatment regulates neuropeptide S system expression in the rat brain. *Neuroscience Letters*, **2006**, 410, 47-51	3.3	37
201	Cellular localization of orexin receptors in human adrenal gland, adrenocortical adenomas and pheochromocytomas. *Regulatory Peptides*, **2002**, 104, 161-5		37
200	Interaction between leptin and neuropeptide Y on in vivo growth hormone secretion. *Neuroendocrinology*, **1998**, 68, 187-91	5.6	37
199	GPR55: a new promising target for metabolism?. *Journal of Molecular Endocrinology*, **2017**, 58, R191-R202	4.5	36

198	Expression and modulation of ghrelin O-acyltransferase in cultured chondrocytes. *Arthritis and Rheumatism*, **2009**, 60, 1704-9		36
197	Food Addiction in Eating Disorders and Obesity: Analysis of Clusters and Implications for Treatment. *Nutrients*, **2019**, 11,	6.7	35
196	Effect of obesity and morbid obesity on the growth hormone (GH) secretion elicited by the combined GHRH + GHRP-6 test. *Clinical Endocrinology*, **2006**, 64, 667-71	3.4	35
195	Study of insulin-like growth factor I in human obesity. *Hormone Research*, **1991**, 36, 187-91		35
194	COVID Isolation Eating Scale (CIES): Analysis of the impact of confinement in eating disorders and obesity-A collaborative international study. *European Eating Disorders Review*, **2020**, 28, 871-883	5.3	35
193	The interaction of protamine nanocapsules with the intestinal epithelium: A mechanistic approach. *Journal of Controlled Release*, **2016**, 243, 109-120	11.7	35
192	Circulating Betatrophin Levels Are Increased in Anorexia and Decreased in Morbidly Obese Women. *Journal of Clinical Endocrinology and Metabolism*, **2015**, 100, E1188-96	5.6	34
191	Brain-derived neurotrophic factor is expressed in rat and human placenta and its serum levels are similarly regulated throughout pregnancy in both species. *Clinical Endocrinology*, **2014**, 81, 141-51	3.4	34
190	Interaction between body composition, leptin and growth hormone status. *Baillierels Clinical Endocrinology and Metabolism*, **1998**, 12, 297-314		34
189	The role of leptin in reproduction: experimental and clinical aspects. *Annals of Medicine*, **2002**, 34, 5-18	1.5	34
188	Food Addiction in Bulimia Nervosa: Clinical Correlates and Association with Response to a Brief Psychoeducational Intervention. *European Eating Disorders Review*, **2016**, 24, 482-488	5.3	34
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