

Matthias Tschoep

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322
papers

30,840
citations

82
h-index

168
g-index

345
ext. papers

35,144
ext. citations

12
avg, IF

6.88
L-index

#	Paper	IF	Citations
322	Ghrelin induces adiposity in rodents. <i>Nature</i> , 2000 , 407, 908-13	50.4	3226
321	The distribution and mechanism of action of ghrelin in the CNS demonstrates a novel hypothalamic circuit regulating energy homeostasis. <i>Neuron</i> , 2003 , 37, 649-61	13.9	1299
320	Obesity is associated with hypothalamic injury in rodents and humans. <i>Journal of Clinical Investigation</i> , 2012 , 122, 153-62	15.9	1125
319	Sirt1 protects against high-fat diet-induced metabolic damage. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 9793-8	11.5	735
318	Ghrelin modulates the activity and synaptic input organization of midbrain dopamine neurons while promoting appetite. <i>Journal of Clinical Investigation</i> , 2006 , 116, 3229-39	15.9	705
317	Ghrelin controls hippocampal spine synapse density and memory performance. <i>Nature Neuroscience</i> , 2006 , 9, 381-8	25.5	645
316	Ghrelin. <i>Molecular Metabolism</i> , 2015 , 4, 437-60	8.8	588
315	UCP2 mediates ghrelin's action on NPY/AgRP neurons by lowering free radicals. <i>Nature</i> , 2008 , 454, 846-51	50.4	553
314	Extent and direction of ghrelin transport across the blood-brain barrier is determined by its unique primary structure. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2002 , 302, 822-7	4.7	536
313	A guide to analysis of mouse energy metabolism. <i>Nature Methods</i> , 2011 , 9, 57-63	21.6	516
312	Dietary fructose reduces circulating insulin and leptin, attenuates postprandial suppression of ghrelin, and increases triglycerides in women. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2004 , 89, 2963-72	5.6	498
311	Sirtuin 1 and sirtuin 3: physiological modulators of metabolism. <i>Physiological Reviews</i> , 2012 , 92, 1479-514	17.9	417
310	A new glucagon and GLP-1 co-agonist eliminates obesity in rodents. <i>Nature Chemical Biology</i> , 2009 , 5, 749-57	11.7	414
309	A rationally designed monomeric peptide triagonist corrects obesity and diabetes in rodents. <i>Nature Medicine</i> , 2015 , 21, 27-36	50.5	363
308	Hypothalamic fatty acid metabolism mediates the orexigenic action of ghrelin. <i>Cell Metabolism</i> , 2008 , 7, 389-99	24.6	363
307	Metabolic activation of intrahepatic CD8+ T cells and NKT cells causes nonalcoholic steatohepatitis and liver cancer via cross-talk with hepatocytes. <i>Cancer Cell</i> , 2014 , 26, 549-64	24.3	359
306	Ghrelin action in the brain controls adipocyte metabolism. <i>Journal of Clinical Investigation</i> , 2006 , 116, 1983-93	15.9	337

305	Animal models of obesity and diabetes mellitus. <i>Nature Reviews Endocrinology</i> , 2018 , 14, 140-162	15.2	330
304	GOAT links dietary lipids with the endocrine control of energy balance. <i>Nature Medicine</i> , 2009 , 15, 741-5	50.5	326
303	Unimolecular dual incretins maximize metabolic benefits in rodents, monkeys, and humans. <i>Science Translational Medicine</i> , 2013 , 5, 209ra151	17.5	321
302	High altitude increases circulating interleukin-6, interleukin-1 receptor antagonist and C-reactive protein. <i>Cytokine</i> , 2000 , 12, 246-52	4	309
301	Anti-obesity drugs: past, present and future. <i>DMM Disease Models and Mechanisms</i> , 2012 , 5, 621-6	4.1	306
300	The central melanocortin system directly controls peripheral lipid metabolism. <i>Journal of Clinical Investigation</i> , 2007 , 117, 3475-88	15.9	306
299	Synaptic input organization of the melanocortin system predicts diet-induced hypothalamic reactive gliosis and obesity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 14875-80	11.5	304
298	High circulating ghrelin: a potential cause for hyperphagia and obesity in prader-willi syndrome. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2002 , 87, 5461-4	5.6	280
297	Cannabinoids, opioids and eating behavior: the molecular face of hedonism?. <i>Brain Research Reviews</i> , 2006 , 51, 85-107		261
296	Osteopontin mediates obesity-induced adipose tissue macrophage infiltration and insulin resistance in mice. <i>Journal of Clinical Investigation</i> , 2007 , 117, 2877-88	15.9	260
295	Ghrelin in the regulation of body weight and metabolism. <i>Frontiers in Neuroendocrinology</i> , 2010 , 31, 44-60	6.9	257
294	Astrocytic Insulin Signaling Couples Brain Glucose Uptake with Nutrient Availability. <i>Cell</i> , 2016 , 166, 867-880	3.8	256
293	Exposure to elevated levels of dietary fat attenuates psychostimulant reward and mesolimbic dopamine turnover in the rat. <i>Behavioral Neuroscience</i> , 2008 , 122, 1257-63	2.1	239
292	Ghrelin suppresses glucose-stimulated insulin secretion and deteriorates glucose tolerance in healthy humans. <i>Diabetes</i> , 2010 , 59, 2145-51	0.9	237
291	Cooperation between brain and islet in glucose homeostasis and diabetes. <i>Nature</i> , 2013 , 503, 59-66	50.4	220
290	Leptin signaling in astrocytes regulates hypothalamic neuronal circuits and feeding. <i>Nature Neuroscience</i> , 2014 , 17, 908-10	25.5	218
289	The metabolic actions of glucagon revisited. <i>Nature Reviews Endocrinology</i> , 2010 , 6, 689-97	15.2	213
288	Ghrelin promotes and protects nigrostriatal dopamine function via a UCP2-dependent mitochondrial mechanism. <i>Journal of Neuroscience</i> , 2009 , 29, 14057-65	6.6	212

287	Epigenetic germline inheritance of diet-induced obesity and insulin resistance. <i>Nature Genetics</i> , 2016 , 48, 497-9	36.3	211
286	Identification of proliferative and mature β cells in the islets of Langerhans. <i>Nature</i> , 2016 , 535, 430-4	50.4	210
285	Glucose and weight control in mice with a designed ghrelin O-acyltransferase inhibitor. <i>Science</i> , 2010 , 330, 1689-92	33.3	207
284	Targeted estrogen delivery reverses the metabolic syndrome. <i>Nature Medicine</i> , 2012 , 18, 1847-56	50.5	201
283	Rodent obesity models: an overview. <i>Experimental and Clinical Endocrinology and Diabetes</i> , 2001 , 109, 307-19	2.3	173
282	Direct control of brown adipose tissue thermogenesis by central nervous system glucagon-like peptide-1 receptor signaling. <i>Diabetes</i> , 2012 , 61, 2753-62	0.9	170
281	The Sustained Effects of a Dual GIP/GLP-1 Receptor Agonist, NNC0090-2746, in Patients with Type 2 Diabetes. <i>Cell Metabolism</i> , 2017 , 26, 343-352.e2	24.6	169
280	Challenges and opportunities of defining clinical leptin resistance. <i>Cell Metabolism</i> , 2012 , 15, 150-6	24.6	166
279	Hormones and diet, but not body weight, control hypothalamic microglial activity. <i>Glia</i> , 2014 , 62, 17-25	9	161
278	Fibroblast growth factor 21 mediates specific glucagon actions. <i>Diabetes</i> , 2013 , 62, 1453-63	0.9	158
277	Atlas of Circadian Metabolism Reveals System-wide Coordination and Communication between Clocks. <i>Cell</i> , 2018 , 174, 1571-1585.e11	56.2	157
276	Plasma ghrelin, obesity, and the polycystic ovary syndrome: correlation with insulin resistance and androgen levels. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2002 , 87, 5625-9	5.6	155
275	Unimolecular Polypharmacy for Treatment of Diabetes and Obesity. <i>Cell Metabolism</i> , 2016 , 24, 51-62	24.6	153
274	A role for beta-melanocyte-stimulating hormone in human body-weight regulation. <i>Cell Metabolism</i> , 2006 , 3, 141-6	24.6	149
273	Gut-Brain Cross-Talk in Metabolic Control. <i>Cell</i> , 2017 , 168, 758-774	56.2	144
272	Effect of human body weight changes on circulating levels of peptide YY and peptide YY3-36. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2007 , 92, 583-8	5.6	144
271	Peripheral, but not central, CB1 antagonism provides food intake-independent metabolic benefits in diet-induced obese rats. <i>Diabetes</i> , 2008 , 57, 2977-91	0.9	134
270	Inhibition of ghrelin action in vitro and in vivo by an RNA-Spiegelmer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 13174-9	11.5	134

269	Simultaneous deletion of ghrelin and its receptor increases motor activity and energy expenditure. <i>American Journal of Physiology - Renal Physiology</i> , 2008 , 294, G610-8	5.1	132
268	Hypothalamic PGC-1 β protects against high-fat diet exposure by regulating ER β . <i>Cell Reports</i> , 2014 , 9, 633-45	10.6	131
267	Safety, tolerability and pharmacokinetics of intravenous ghrelin for cancer-related anorexia/cachexia: a randomised, placebo-controlled, double-blind, double-crossover study. <i>British Journal of Cancer</i> , 2008 , 98, 300-8	8.7	124
266	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. <i>Journal of Neuroscience</i> , 2009 , 29, 5916-25	6.6	122
265	The effects of vertical sleeve gastrectomy in rodents are ghrelin independent. <i>Gastroenterology</i> , 2013 , 144, 50-52.e5	13.3	118
264	Adipocyte LDL receptor-related protein-1 expression modulates postprandial lipid transport and glucose homeostasis in mice. <i>Journal of Clinical Investigation</i> , 2007 , 117, 3271-82	15.9	118
263	Restoration of leptin responsiveness in diet-induced obese mice using an optimized leptin analog in combination with exendin-4 or FGF21. <i>Journal of Peptide Science</i> , 2012 , 18, 383-93	2.1	115
262	KSR2 is an essential regulator of AMP kinase, energy expenditure, and insulin sensitivity. <i>Cell Metabolism</i> , 2009 , 10, 366-78	24.6	114
261	Chemical Hybridization of Glucagon and Thyroid Hormone Optimizes Therapeutic Impact for Metabolic Disease. <i>Cell</i> , 2016 , 167, 843-857.e14	56.2	114
260	Ghrelin enhances olfactory sensitivity and exploratory sniffing in rodents and humans. <i>Journal of Neuroscience</i> , 2011 , 31, 5841-6	6.6	110
259	The melanocortin-3 receptor is required for entrainment to meal intake. <i>Journal of Neuroscience</i> , 2008 , 28, 12946-55	6.6	110
258	Role of astrocytes, microglia, and tanycytes in brain control of systemic metabolism. <i>Nature Neuroscience</i> , 2019 , 22, 7-14	25.5	108
257	GLP-1/glucagon coagonism restores leptin responsiveness in obese mice chronically maintained on an obesogenic diet. <i>Diabetes</i> , 2014 , 63, 1422-7	0.9	104
256	Hypothalamic innate immune reaction in obesity. <i>Nature Reviews Endocrinology</i> , 2015 , 11, 339-51	15.2	102
255	Modulatory calcineurin-interacting proteins 1 and 2 function as calcineurin facilitators in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 7327-32	11.5	101
254	PYY3-36 as an anti-obesity drug target. <i>Obesity Reviews</i> , 2005 , 6, 307-22	10.6	99
253	Reappraisal of GIP Pharmacology for Metabolic Diseases. <i>Trends in Molecular Medicine</i> , 2016 , 22, 359-376	11.5	96
252	The cannabinoid receptor 2 is critical for the host response to sepsis. <i>Journal of Immunology</i> , 2009 , 183, 499-505	5.3	95

251	Plasma proteome profiling discovers novel proteins associated with non-alcoholic fatty liver disease. <i>Molecular Systems Biology</i> , 2019 , 15, e8793	12.2	94
250	Synaptic plasticity in neuronal circuits regulating energy balance. <i>Nature Neuroscience</i> , 2012 , 15, 1336-42	5.5	92
249	Peripheral ghrelin enhances sweet taste food consumption and preference, regardless of its caloric content. <i>Physiology and Behavior</i> , 2010 , 101, 277-81	3.5	92
248	Central nervous system regulation of energy metabolism: ghrelin versus leptin. <i>Annals of the New York Academy of Sciences</i> , 2008 , 1126, 14-9	6.5	92
247	Testosterone replacement therapy restores normal ghrelin in hypogonadal men. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2003 , 88, 4139-43	5.6	90
246	A role for brain-specific homeobox factor Bsx in the control of hyperphagia and locomotory behavior. <i>Cell Metabolism</i> , 2007 , 5, 450-63	24.6	88
245	p62 links β adrenergic input to mitochondrial function and thermogenesis. <i>Journal of Clinical Investigation</i> , 2013 , 123, 469-78	15.9	88
244	GLP-1/glucagon receptor co-agonism for treatment of obesity. <i>Diabetologia</i> , 2017 , 60, 1851-1861	10.3	84
243	Ghrelin-induced adiposity is independent of orexigenic effects. <i>FASEB Journal</i> , 2011 , 25, 2814-22	0.9	84
242	Optimization of co-agonism at GLP-1 and glucagon receptors to safely maximize weight reduction in DIO-rodents. <i>Biopolymers</i> , 2012 , 98, 443-50	2.2	83
241	Anti-Obesity Therapy: from Rainbow Pills to Polyagonists. <i>Pharmacological Reviews</i> , 2018 , 70, 712-746	22.5	82
240	Therapeutic Potential of Targeting the Ghrelin Pathway. <i>International Journal of Molecular Sciences</i> , 2017 , 18,	6.3	82
239	Endogenous and exogenous glucocorticoids decrease plasma ghrelin in humans. <i>European Journal of Endocrinology</i> , 2004 , 151, 113-7	6.5	82
238	Both acyl and des-acyl ghrelin regulate adiposity and glucose metabolism via central nervous system ghrelin receptors. <i>Diabetes</i> , 2014 , 63, 122-31	0.9	81
237	A functional role for the p62-ERK1 axis in the control of energy homeostasis and adipogenesis. <i>EMBO Reports</i> , 2010 , 11, 226-32	6.5	81
236	Optimized GIP analogs promote body weight lowering in mice through GIPR agonism not antagonism. <i>Molecular Metabolism</i> , 2019 , 20, 51-62	8.8	79
235	Mutually opposite signal modulation by hypothalamic heterodimerization of ghrelin and melanocortin-3 receptors. <i>Journal of Biological Chemistry</i> , 2011 , 286, 39623-31	5.4	77
234	Defective lipid delivery modulates glucose tolerance and metabolic response to diet in apolipoprotein E-deficient mice. <i>Diabetes</i> , 2008 , 57, 5-12	0.9	76

233	Ghrelin, obesity and diabetes. <i>Nature Clinical Practice Endocrinology and Metabolism</i> , 2007 , 3, 705-12		76
232	Melanocortin signaling in the CNS directly regulates circulating cholesterol. <i>Nature Neuroscience</i> , 2010 , 13, 877-82	25.5	75
231	Mechanisms of oleoylethanolamide-induced changes in feeding behavior and motor activity. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2005 , 289, R729-37	3.2	75
230	Targeting the Incretin/Glucagon System With Triagonists to Treat Diabetes. <i>Endocrine Reviews</i> , 2018 , 39, 719-738	27.2	75
229	Long-Term Cold Adaptation Does Not Require FGF21 or UCP1. <i>Cell Metabolism</i> , 2017 , 26, 437-446.e5	24.6	74
228	Ghrelin is produced in taste cells and ghrelin receptor null mice show reduced taste responsivity to salty (NaCl) and sour (citric acid) tastants. <i>PLoS ONE</i> , 2010 , 5, e12729	3.7	73
227	CNS leptin action modulates immune response and survival in sepsis. <i>Journal of Neuroscience</i> , 2010 , 30, 6036-47	6.6	71
226	Dietary sugars, not lipids, drive hypothalamic inflammation. <i>Molecular Metabolism</i> , 2017 , 6, 897-908	8.8	70
225	Ghrelin regulation of glucose metabolism. <i>Peptides</i> , 2018 , 100, 236-242	3.8	70
224	Gut hormone polyagonists for the treatment of type 2 diabetes. <i>Peptides</i> , 2018 , 100, 190-201	3.8	70
223	Hyperphagia, lower body temperature, and reduced running wheel activity precede development of morbid obesity in New Zealand obese mice. <i>Physiological Genomics</i> , 2006 , 25, 234-41	3.6	70
222	Cannabinoid receptor 1 (CB1) antagonism enhances glucose utilisation and activates brown adipose tissue in diet-induced obese mice. <i>Diabetologia</i> , 2011 , 54, 3121-31	10.3	69
221	Peptide YY regulates bone turnover in rodents. <i>Gastroenterology</i> , 2007 , 133, 1534-43	13.3	68
220	Peptide lipidation stabilizes structure to enhance biological function. <i>Molecular Metabolism</i> , 2013 , 2, 468-79	8.8	66
219	Monomeric GLP-1/GIP/glucagon triagonism corrects obesity, hepatosteatosis, and dyslipidemia in female mice. <i>Molecular Metabolism</i> , 2017 , 6, 440-446	8.8	65
218	Gastric bypass surgery for treatment of hypothalamic obesity after craniopharyngioma therapy. <i>Nature Clinical Practice Endocrinology and Metabolism</i> , 2007 , 3, 606-9		65
217	Induction of ketosis in rats fed low-carbohydrate, high-fat diets depends on the relative abundance of dietary fat and protein. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2011 , 300, E65-76	6	64
216	Brown fat in a protoendothermic mammal fuels eutherian evolution. <i>Nature Communications</i> , 2013 , 4, 2140	17.4	63

215	Gastric bypass surgery attenuates ethanol consumption in ethanol-preferring rats. <i>Biological Psychiatry</i> , 2012 , 72, 354-60	7.9	62
214	GOAT: the master switch for the ghrelin system?. <i>European Journal of Endocrinology</i> , 2010 , 163, 1-8	6.5	62
213	An anatomic basis for the communication of hypothalamic, cortical and mesolimbic circuitry in the regulation of energy balance. <i>European Journal of Neuroscience</i> , 2009 , 30, 415-30	3.5	61
212	Voluntary exercise improves high-fat diet-induced leptin resistance independent of adiposity. <i>Endocrinology</i> , 2011 , 152, 2655-64	4.8	61
211	kappa-Opioid receptors control the metabolic response to a high-energy diet in mice. <i>FASEB Journal</i> , 2010 , 24, 1151-9	0.9	60
210	Postprandial ghrelin release in anorectic patients before and after weight gain. <i>Psychoneuroendocrinology</i> , 2005 , 30, 577-81	5	60
209	TNFB drives mitochondrial stress in POMC neurons in obesity. <i>Nature Communications</i> , 2017 , 8, 15143	17.4	59
208	Hypothalamic astrocytes in obesity. <i>Endocrinology and Metabolism Clinics of North America</i> , 2013 , 42, 57-66	5.5	59
207	Ghrelin as a potential anti-obesity target. <i>Current Pharmaceutical Design</i> , 2003 , 9, 1383-95	3.3	59
206	High-fat-diet exposure induces IgG accumulation in hypothalamic microglia. <i>DMM Disease Models and Mechanisms</i> , 2012 , 5, 686-90	4.1	58
205	Adipocyte p62/SQSTM1 Suppresses Tumorigenesis through Opposite Regulations of Metabolism in Adipose Tissue and Tumor. <i>Cancer Cell</i> , 2018 , 33, 770-784.e6	24.3	57
204	Estrogen, astrocytes and the neuroendocrine control of metabolism. <i>Reviews in Endocrine and Metabolic Disorders</i> , 2013 , 14, 331-8	10.5	57
203	Incretin-like effects of small molecule trace amine-associated receptor 1 agonists. <i>Molecular Metabolism</i> , 2016 , 5, 47-56	8.8	56
202	Glucagon regulation of energy metabolism. <i>Physiology and Behavior</i> , 2010 , 100, 545-8	3.5	56
201	Roux-en-Y gastric bypass surgery but not vertical sleeve gastrectomy decreases bone mass in male rats. <i>Endocrinology</i> , 2013 , 154, 2015-24	4.8	55
200	The role of ghrelin in the control of energy balance. <i>Handbook of Experimental Pharmacology</i> , 2012 , 161-34	3.4	55
199	Brain circuits regulating energy homeostasis. <i>Neuroscientist</i> , 2004 , 10, 235-46	7.6	55
198	Spare mitochondrial respiratory capacity permits human adipocytes to maintain ATP homeostasis under hypoglycemic conditions. <i>FASEB Journal</i> , 2014 , 28, 761-70	0.9	54

197	The pharmacokinetics of acyl, des-acyl, and total ghrelin in healthy human subjects. <i>European Journal of Endocrinology</i> , 2013 , 168, 821-8	6.5	54
196	Long-term effects of ghrelin and ghrelin receptor agonists on energy balance in rats. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2008 , 295, E78-84	6	54
195	Emerging hormonal-based combination pharmacotherapies for the treatment of metabolic diseases. <i>Nature Reviews Endocrinology</i> , 2019 , 15, 90-104	15.2	54
194	Inverse agonistic action of 3-iodothyronamine at the human trace amine-associated receptor 5. <i>PLoS ONE</i> , 2015 , 10, e0117774	3.7	53
193	N-acyl Taurines and Acylcarnitines Cause an Imbalance in Insulin Synthesis and Secretion Provoking Cell Dysfunction in Type 2 Diabetes. <i>Cell Metabolism</i> , 2017 , 25, 1334-1347.e4	24.6	52
192	Dual melanocortin-4 receptor and GLP-1 receptor agonism amplifies metabolic benefits in diet-induced obese mice. <i>EMBO Molecular Medicine</i> , 2015 , 7, 288-98	12	52
191	Glucocorticoid signaling in the arcuate nucleus modulates hepatic insulin sensitivity. <i>Diabetes</i> , 2012 , 61, 339-45	0.9	52
190	Brain-gut-adipose-tissue communication pathways at a glance. <i>DMM Disease Models and Mechanisms</i> , 2012 , 5, 583-7	4.1	51
189	Obesity and the neuroendocrine control of energy homeostasis: the role of spontaneous locomotor activity. <i>Journal of Nutrition</i> , 2005 , 135, 1314-9	4.1	51
188	Molecular Integration of Incretin and Glucocorticoid Action Reverses Immunometabolic Dysfunction and Obesity. <i>Cell Metabolism</i> , 2017 , 26, 620-632.e6	24.6	50
187	Calcineurin Links Mitochondrial Elongation with Energy Metabolism. <i>Cell Metabolism</i> , 2015 , 22, 838-50	24.6	50
186	Ghrelin acylation and metabolic control. <i>Peptides</i> , 2011 , 32, 2301-8	3.8	50
185	A Stat6/Pten Axis Links Regulatory T Cells with Adipose Tissue Function. <i>Cell Metabolism</i> , 2017 , 26, 475-492.e7	49.6	49
184	A role for astrocytes in the central control of metabolism. <i>Neuroendocrinology</i> , 2011 , 93, 143-9	5.6	49
183	Effect of central administration of QRFP(26) peptide on energy balance and characterization of a second QRFP receptor in rat. <i>Brain Research</i> , 2006 , 1119, 133-49	3.7	49
182	Comparison of hydrogenated vegetable shortening and nutritionally complete high-fat diet on limited access-binge behavior in rats. <i>Physiology and Behavior</i> , 2007 , 92, 924-30	3.5	49
181	GLP-1 and estrogen conjugate acts in the supramammillary nucleus to reduce food-reward and body weight. <i>Neuropharmacology</i> , 2016 , 110, 396-406	5.5	48
180	Impaired glucose tolerance in rats fed low-carbohydrate, high-fat diets. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2013 , 305, E1059-70	6	48

179	Mice lacking Ebpioid receptors resist the development of diet-induced obesity. <i>FASEB Journal</i> , 2012 , 26, 3483-92	0.9	48
178	The orphan receptor Gpr83 regulates systemic energy metabolism via ghrelin-dependent and ghrelin-independent mechanisms. <i>Nature Communications</i> , 2013 , 4, 1968	17.4	46
177	Bsx, a novel hypothalamic factor linking feeding with locomotor activity, is regulated by energy availability. <i>Endocrinology</i> , 2008 , 149, 3009-15	4.8	46
176	Hypothalamic leptin action is mediated by histone deacetylase 5. <i>Nature Communications</i> , 2016 , 7, 10782	17.4	45
175	High calorie diet triggers hypothalamic angiopathy. <i>Molecular Metabolism</i> , 2012 , 1, 95-100	8.8	45
174	The endocannabinoid system: role in glucose and energy metabolism. <i>Pharmacological Research</i> , 2009 , 60, 93-8	10.2	45
173	Development of diabetes in obese, insulin-resistant mice: essential role of dietary carbohydrate in beta cell destruction. <i>Diabetologia</i> , 2007 , 50, 1481-9	10.3	45
172	miR-184 Regulates Pancreatic β Cell Function According to Glucose Metabolism. <i>Journal of Biological Chemistry</i> , 2015 , 290, 20284-94	5.4	44
171	Targeted pharmacological therapy restores β cell function for diabetes remission. <i>Nature Metabolism</i> , 2020 , 2, 192-209	14.6	44
170	The GOAT-ghrelin system is not essential for hypoglycemia prevention during prolonged calorie restriction. <i>PLoS ONE</i> , 2012 , 7, e32100	3.7	44
169	Fibroblast activation protein (FAP) as a novel metabolic target. <i>Molecular Metabolism</i> , 2016 , 5, 1015-1028	8.8	44
168	High-fat-diet-induced obesity causes an inflammatory and tumor-promoting microenvironment in the rat kidney. <i>DMM Disease Models and Mechanisms</i> , 2012 , 5, 627-35	4.1	43
167	Physiologic concentrations of exogenously infused ghrelin reduces insulin secretion without affecting insulin sensitivity in healthy humans. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2013 , 98, 2536-43	5.6	42
166	Altered lipid and salt taste responsivity in ghrelin and GOAT null mice. <i>PLoS ONE</i> , 2013 , 8, e76553	3.7	42
165	Ghrelin and cannabinoids require the ghrelin receptor to affect cellular energy metabolism. <i>Molecular and Cellular Endocrinology</i> , 2013 , 365, 303-8	4.4	41
164	Ghrelin and PYY in the regulation of energy balance and metabolism: lessons from mouse mutants. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2010 , 298, E909-19	6	41
163	Negative relationship between fasting plasma ghrelin concentrations and ad libitum food intake. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2004 , 89, 2951-6	5.6	41
162	Identification of GPR83 as the receptor for the neuroendocrine peptide PEN. <i>Science Signaling</i> , 2016 , 9, ra43	8.8	40

161	Duodenal nutrient exclusion improves metabolic syndrome and stimulates villus hyperplasia. <i>Gut</i> , 2014 , 63, 1238-46	19.2	40
160	Dietary triglycerides act on mesolimbic structures to regulate the rewarding and motivational aspects of feeding. <i>Molecular Psychiatry</i> , 2014 , 19, 1095-105	15.1	40
159	Ghrelin-induced food intake and adiposity depend on central mTORC1/S6K1 signaling. <i>Molecular and Cellular Endocrinology</i> , 2013 , 381, 280-90	4.4	40
158	Central nervous system melanocortin-3 receptors are required for synchronizing metabolism during entrainment to restricted feeding during the light cycle. <i>FASEB Journal</i> , 2010 , 24, 862-72	0.9	40
157	Anti-obesity drug discovery: advances and challenges. <i>Nature Reviews Drug Discovery</i> , 2021 ,	64.1	40
156	Postprandial lysophospholipid suppresses hepatic fatty acid oxidation: the molecular link between group 1B phospholipase A2 and diet-induced obesity. <i>FASEB Journal</i> , 2010 , 24, 2516-24	0.9	39
155	Exendin-4 increases blood glucose levels acutely in rats by activation of the sympathetic nervous system. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2010 , 298, E1088-96	6	39
154	Disruption of Lipid Uptake in Astroglia Exacerbates Diet-Induced Obesity. <i>Diabetes</i> , 2017 , 66, 2555-2563	0.9	38
153	Genetic variation of the ghrelin activator gene ghrelin O-acyltransferase (GOAT) is associated with anorexia nervosa. <i>Journal of Psychiatric Research</i> , 2011 , 45, 706-11	5.2	38
152	A novel human-based receptor antagonist of sustained action reveals body weight control by endogenous GLP-1. <i>ACS Chemical Biology</i> , 2011 , 6, 135-45	4.9	37
151	Getting to the core of the gut microbiome. <i>Nature Biotechnology</i> , 2009 , 27, 344-6	44.5	37
150	Biomedicine. Separation of conjoined hormones yields appetite rivals. <i>Science</i> , 2005 , 310, 985-6	33.3	37
149	Fluorescent blood-brain barrier tracing shows intact leptin transport in obese mice. <i>International Journal of Obesity</i> , 2019 , 43, 1305-1318	5.5	37
148	Mice with chronically increased circulating ghrelin develop age-related glucose intolerance. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2008 , 294, E752-60	6	36
147	A prospective study of serum ghrelin levels in patients treated with clozapine. <i>Journal of Neural Transmission</i> , 2005 , 112, 1411-6	4.3	36
146	Acute administration of unacylated ghrelin has no effect on Basal or stimulated insulin secretion in healthy humans. <i>Diabetes</i> , 2014 , 63, 2309-19	0.9	35
145	Ghrelin and its potential in the treatment of eating/wasting disorders and cachexia. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2010 , 1, 159-167	10.3	35
144	Deficiency of glucose-dependent insulinotropic polypeptide receptor prevents ovariectomy-induced obesity in mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2008 , 295, E350-5	6	35

143	The glucose-dependent insulintropic polypeptide (GIP) regulates body weight and food intake via CNS-GIPR signaling. <i>Cell Metabolism</i> , 2021 , 33, 833-844.e5	24.6	35
142	GLP-1R responsiveness predicts individual gastric bypass efficacy on glucose tolerance in rats. <i>Diabetes</i> , 2014 , 63, 505-13	0.9	34
141	Cross-sectional and prospective relationships of fasting plasma ghrelin concentrations with anthropometric measures in pima Indian children. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2003 , 88, 3756-61	5.6	34
140	Glucagon inhibits ghrelin secretion in humans. <i>European Journal of Endocrinology</i> , 2005 , 153, 397-402	6.5	34
139	Deletion of Monoglyceride Lipase in Astrocytes Attenuates Lipopolysaccharide-induced Neuroinflammation. <i>Journal of Biological Chemistry</i> , 2016 , 291, 913-23	5.4	33
138	Ghrelin in eating disorders. <i>Molecular and Cellular Endocrinology</i> , 2011 , 340, 29-34	4.4	33
137	The ghrelin O-acyltransferase-ghrelin system: a novel regulator of glucose metabolism. <i>Current Opinion in Endocrinology, Diabetes and Obesity</i> , 2011 , 18, 50-5	4	33
136	The many faces of ghrelin: new perspectives for nutrition research?. <i>British Journal of Nutrition</i> , 2005 , 93, 765-71	3.6	33
135	Evidence for three genetic loci involved in both anorexia nervosa risk and variation of body mass index. <i>Molecular Psychiatry</i> , 2017 , 22, 192-201	15.1	31
134	Celastrol Promotes Weight Loss in Diet-Induced Obesity by Inhibiting the Protein Tyrosine Phosphatases PTP1B and TCPTP in the Hypothalamus. <i>Journal of Medicinal Chemistry</i> , 2018 , 61, 11144-11157	8.3	31
133	A macrophage NBR1-MEKK3 complex triggers JNK-mediated adipose tissue inflammation in obesity. <i>Cell Metabolism</i> , 2014 , 20, 499-511	24.6	30
132	Outstanding Scientific Achievement Award Lecture 2011: defeating diabetes: the case for personalized combinatorial therapies. <i>Diabetes</i> , 2012 , 61, 1309-14	0.9	30
131	Systemic ghrelin and reward: effect of cholinergic blockade. <i>Physiology and Behavior</i> , 2011 , 102, 481-4	3.5	30
130	Regulation of body weight and energy homeostasis by neuronal cell adhesion molecule 1. <i>Nature Neuroscience</i> , 2017 , 20, 1096-1103	25.5	29
129	Ghrelin, peptide YY and their hypothalamic targets differentially regulate spontaneous physical activity. <i>Physiology and Behavior</i> , 2011 , 105, 52-61	3.5	29
128	MC4R dimerization in the paraventricular nucleus and GHSR/MC3R heterodimerization in the arcuate nucleus: is there relevance for body weight regulation?. <i>Neuroendocrinology</i> , 2012 , 95, 277-88	5.6	29
127	GLP-1-oestrogen attenuates hyperphagia and protects from beta cell failure in diabetes-prone New Zealand obese (NZO) mice. <i>Diabetologia</i> , 2015 , 58, 604-14	10.3	28
126	Metabolic effects of diets differing in glycaemic index depend on age and endogenous glucose-dependent insulintrophic polypeptide in mice. <i>Diabetologia</i> , 2009 , 52, 2159-68	10.3	28

125	Endogenous FGF21-signaling controls paradoxical obesity resistance of UCP1-deficient mice. <i>Nature Communications</i> , 2020 , 11, 624	17.4	26
124	Melanocyte stimulating hormone promotes muscle glucose uptake via melanocortin 5 receptors. <i>Molecular Metabolism</i> , 2016 , 5, 807-822	8.8	26
123	Coordinated targeting of cold and nicotinic receptors synergistically improves obesity and type 2 diabetes. <i>Nature Communications</i> , 2018 , 9, 4304	17.4	26
122	Celastrol-Induced Weight Loss Is Driven by Hypophagia and Independent From UCP1. <i>Diabetes</i> , 2018 , 67, 2456-2465	0.9	26
121	Metabolic syndrome and extensive adipose tissue inflammation in morbidly obese Göttingen minipigs. <i>Molecular Metabolism</i> , 2018 , 16, 180-190	8.8	26
120	Alterations in neuronal control of body weight and anxiety behavior by glutathione peroxidase 4 deficiency. <i>Neuroscience</i> , 2017 , 357, 241-254	3.9	25
119	Hypothalamic tanycytes: gatekeepers to metabolic control. <i>Cell Metabolism</i> , 2014 , 19, 173-5	24.6	25
118	Differential colonization with segmented filamentous bacteria and <i>Lactobacillus murinus</i> do not drive divergent development of diet-induced obesity in C57BL/6 mice. <i>Molecular Metabolism</i> , 2013 , 2, 171-83	8.8	25
117	Caloric restriction chronically impairs metabolic programming in mice. <i>Diabetes</i> , 2012 , 61, 2734-42	0.9	25
116	Distribution of ghrelin-immunoreactive neuronal networks in the human hypothalamus. <i>Brain Research</i> , 2006 , 1125, 31-6	3.7	25
115	PKCzeta-regulated inflammation in the nonhematopoietic compartment is critical for obesity-induced glucose intolerance. <i>Cell Metabolism</i> , 2010 , 12, 65-77	24.6	24
114	Long-Acting Neuropeptide Y Synergizes With Liraglutide to Reverse Obesity Through a Melanocortin-Dependent Pathway. <i>Diabetes</i> , 2019 , 68, 1329-1340	0.9	23
113	Renaissance of leptin for obesity therapy. <i>Diabetologia</i> , 2016 , 59, 920-7	10.3	23
112	Low-carbohydrate high-fat diets in combination with daily exercise in rats: effects on body weight regulation, body composition and exercise capacity. <i>Physiology and Behavior</i> , 2012 , 106, 185-92	3.5	23
111	CNS opioid signaling separates cannabinoid receptor 1-mediated effects on body weight and mood-related behavior in mice. <i>Endocrinology</i> , 2011 , 152, 3661-7	4.8	22
110	Letter to the Editor: Similar fasting ghrelin levels in binge eating/purging anorexia nervosa and restrictive anorexia nervosa. <i>Psychoneuroendocrinology</i> , 2004 , 29, 692-3	5	22
109	POMC neuronal heterogeneity in energy balance and beyond: an integrated view. <i>Nature Metabolism</i> , 2021 , 3, 299-308	14.6	22
108	Peptide-based multi-agonists: a new paradigm in metabolic pharmacology. <i>Journal of Internal Medicine</i> , 2018 , 284, 581-602	10.8	22

107	S6K1 controls pancreatic β cell size independently of intrauterine growth restriction. <i>Journal of Clinical Investigation</i> , 2015 , 125, 2736-47	15.9	21
106	Ghrelin - a key pleiotropic hormone-regulating systemic energy metabolism. <i>Endocrine Development</i> , 2013 , 25, 91-100		20
105	Low-carbohydrate high-fat diets: regulation of energy balance and body weight regain in rats. <i>Obesity</i> , 2009 , 17, 283-9	8	20
104	Uroguanylin: how the gut got another satiety hormone. <i>Journal of Clinical Investigation</i> , 2011 , 121, 3384-9	6.9	20
103	Single-Molecule Combinatorial Therapeutics for Treating Obesity and Diabetes. <i>Diabetes</i> , 2017 , 66, 1766-1769	17.69	19
102	The triple uptake inhibitor (1R,5S)-(+)-1-(3,4-dichlorophenyl)-3-azabicyclo[3.1.0] hexane hydrochloride (DOV 21947) reduces body weight and plasma triglycerides in rodent models of diet-induced obesity. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2008 , 324, 1111-26	4.7	19
101	Ablation of ghrelin O-acyltransferase does not improve glucose intolerance or body adiposity in mice on a leptin-deficient ob/ob background. <i>PLoS ONE</i> , 2013 , 8, e61822	3.7	19
100	Obesity-associated hyperleptinemia alters the gliovascular interface of the hypothalamus to promote hypertension. <i>Cell Metabolism</i> , 2021 , 33, 1155-1170.e10	24.6	19
99	Effect of Deletion of Ghrelin-O-Acyltransferase on the Pulsatile Release of Growth Hormone in Mice. <i>Journal of Neuroendocrinology</i> , 2015 , 27, 872-86	3.8	18
98	Analysis of human TAAR8 and murine Taar8b mediated signaling pathways and expression profile. <i>International Journal of Molecular Sciences</i> , 2014 , 15, 20638-55	6.3	18
97	G-protein coupled receptor 83 (GPR83) signaling determined by constitutive and zinc(II)-induced activity. <i>PLoS ONE</i> , 2013 , 8, e53347	3.7	18
96	Decreased glucose tolerance and plasma adiponectin:resistin ratio in a mouse model of post-traumatic stress disorder. <i>Diabetologia</i> , 2011 , 54, 900-9	10.3	18
95	Peptide YY release in anorectic patients after liquid meal. <i>Appetite</i> , 2007 , 48, 301-4	4.5	18
94	Inceptor counteracts insulin signalling in β cells to control glycaemia. <i>Nature</i> , 2021 , 590, 326-331	50.4	18
93	Exploration of Energy Metabolism in the Mouse Using Indirect Calorimetry: Measurement of Daily Energy Expenditure (DEE) and Basal Metabolic Rate (BMR). <i>Current Protocols in Mouse Biology</i> , 2015 , 5, 205-222	1.1	18
92	Acute administration of acyl, but not desacyl ghrelin, decreases blood pressure in healthy humans. <i>European Journal of Endocrinology</i> , 2017 , 176, 123-132	6.5	17
91	Current and Emerging Treatment Options in Diabetes Care. <i>Handbook of Experimental Pharmacology</i> , 2016 , 233, 437-59	3.2	17
90	Time-resolved hypothalamic open flow micro-perfusion reveals normal leptin transport across the blood-brain barrier in leptin resistant mice. <i>Molecular Metabolism</i> , 2018 , 13, 77-82	8.8	17

89	Morning ghrelin concentrations are not affected by short-term overfeeding and do not predict ad libitum food intake in humans. <i>American Journal of Clinical Nutrition</i> , 2009 , 89, 801-6	7	17
88	GLP-1R agonism enhances adjustable gastric banding in diet-induced obese rats. <i>Diabetes</i> , 2013 , 62, 3261-7	16	16
87	Ghrelin-induced hypothermia: a physiological basis but no clinical risk. <i>Physiology and Behavior</i> , 2011 , 105, 43-51	3.5	16
86	Central nervous system regulation of adipocyte metabolism. <i>Regulatory Peptides</i> , 2008 , 149, 26-31		16
85	A sweet spot for the bariatric surgeon. <i>Cell Metabolism</i> , 2008 , 8, 177-9	24.6	16
84	Dietary sugars: a fat difference. <i>Journal of Clinical Investigation</i> , 2009 , 119, 1089-92	15.9	16
83	The HPA axis modulates the CNS melanocortin control of liver triacylglyceride metabolism. <i>Physiology and Behavior</i> , 2012 , 105, 791-9	3.5	15
82	Metabolic control by S6 kinases depends on dietary lipids. <i>PLoS ONE</i> , 2012 , 7, e32631	3.7	15
81	Selection and progression of unimolecular agonists at the GIP, GLP-1, and glucagon receptors as drug candidates. <i>Peptides</i> , 2020 , 125, 170225	3.8	15
80	Functional identity of hypothalamic melanocortin neurons depends on Tbx3. <i>Nature Metabolism</i> , 2019 , 1, 222-235	14.6	14
79	Epigenetic ON/OFF Switches for Obesity. <i>Cell</i> , 2016 , 164, 341-2	56.2	14
78	Activated macrophages control human adipocyte mitochondrial bioenergetics via secreted factors. <i>Molecular Metabolism</i> , 2017 , 6, 1226-1239	8.8	14
77	NO to obesity: does nitric oxide regulate fat oxidation and insulin sensitivity?. <i>Endocrinology</i> , 2007 , 148, 4545-7	4.8	14
76	Acylation type determines ghrelin β effects on energy homeostasis in rodents. <i>Endocrinology</i> , 2012 , 153, 4687-95	4.8	13
75	CNS-targeting pharmacological interventions for the metabolic syndrome. <i>Journal of Clinical Investigation</i> , 2019 , 129, 4058-4071	15.9	13
74	Spatiotemporal GLP-1 and GIP receptor signaling and trafficking/recycling dynamics induced by selected receptor mono- and dual-agonists. <i>Molecular Metabolism</i> , 2021 , 49, 101181	8.8	13
73	Optimization of peptide-based polyagonists for treatment of diabetes and obesity. <i>Bioorganic and Medicinal Chemistry</i> , 2018 , 26, 2873-2881	3.4	13
72	Circulating Triglycerides Gate Dopamine-Associated Behaviors through DRD2-Expressing Neurons. <i>Cell Metabolism</i> , 2020 , 31, 773-790.e11	24.6	12

71	Emerging function of fat mass and obesity-associated protein (fto). <i>PLoS Genetics</i> , 2013 , 9, e1003223	6	12
70	Ghrelin stimulation of growth hormone isoforms: parallel secretion of total and 20-kDa growth hormone and relation to insulin sensitivity in healthy humans. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2012 , 97, 3366-74	5.6	12
69	Ghrelin in the control of energy, lipid, and glucose metabolism. <i>Methods in Enzymology</i> , 2012 , 514, 249-60.	6.7	12
68	Determination of thyroid hormones in mouse tissues by isotope-dilution microflow liquid chromatography-mass spectrometry method. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016 , 1033-1034, 413-420	3.2	12
67	Endothelial HIF-1 α Enables Hypothalamic Glucose Uptake to Drive POMC Neurons. <i>Diabetes</i> , 2017 , 66, 1511-1520	0.9	11
66	GLP-1/dexamethasone inhibits food reward without inducing mood and memory deficits in mice. <i>Neuropharmacology</i> , 2019 , 151, 55-63	5.5	11
65	The scaffold protein p62 regulates adaptive thermogenesis through ATF2 nuclear target activation. <i>Nature Communications</i> , 2020 , 11, 2306	17.4	11
64	Insights into incretin-based therapies for treatment of diabetic dyslipidemia. <i>Advanced Drug Delivery Reviews</i> , 2020 , 159, 34-53	18.5	11
63	Chronic d-serine supplementation impairs insulin secretion. <i>Molecular Metabolism</i> , 2018 , 16, 191-202	8.8	11
62	The hypothalamic neural-glia network and the metabolic syndrome. <i>Best Practice and Research in Clinical Endocrinology and Metabolism</i> , 2014 , 28, 661-71	6.5	11
61	Metabolic Precision Medicines: Curing POMC Deficiency. <i>Cell Metabolism</i> , 2016 , 24, 194-5	24.6	10
60	Type 2 diabetes risk gene Dusp8 regulates hypothalamic Jnk signaling and insulin sensitivity. <i>Journal of Clinical Investigation</i> , 2020 , 130, 6093-6108	15.9	9
59	Play down protein to play up metabolism?. <i>Journal of Clinical Investigation</i> , 2014 , 124, 3691-3	15.9	9
58	Short-term cold exposure supports human Treg induction in vivo. <i>Molecular Metabolism</i> , 2019 , 28, 73-82	8.8	8
57	Ghrelin Receptor Deficiency does not Affect Diet-Induced Atherosclerosis in Low-Density Lipoprotein Receptor-Null Mice. <i>Frontiers in Endocrinology</i> , 2011 , 2, 67	5.7	8
56	The intestinal lymph fistula model--a novel approach to study ghrelin secretion. <i>American Journal of Physiology - Renal Physiology</i> , 2010 , 298, G474-80	5.1	8
55	Metabolomic linkage reveals functional interaction between glucose-dependent insulinotropic polypeptide and ghrelin in humans. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2011 , 301, E608-17	6	8
54	Dual specificity phosphatase 6 deficiency is associated with impaired systemic glucose tolerance and reversible weight retardation in mice. <i>PLoS ONE</i> , 2017 , 12, e0183488	3.7	7

53	An incretin-based tri-agonist promotes superior insulin secretion from murine pancreatic islets via PLC activation. <i>Cellular Signalling</i> , 2018 , 51, 13-22	4.9	7
52	Carbohydrate content of post-operative diet influences the effect of vertical sleeve gastrectomy on body weight reduction in obese rats. <i>Obesity Surgery</i> , 2012 , 22, 140-51	3.7	7
51	The extracellular N-terminal domain of G-protein coupled receptor 83 regulates signaling properties and is an intramolecular inverse agonist. <i>BMC Research Notes</i> , 2014 , 7, 913	2.3	7
50	Diet-induced leptin resistance: the heart of the matter. <i>Endocrinology</i> , 2007 , 148, 921-3	4.8	7
49	The brain is getting ready for dinner. <i>Cell Metabolism</i> , 2006 , 4, 257-8	24.6	7
48	Plasma proteome profiles treatment efficacy of incretin dual agonism in diet-induced obese female and male mice. <i>Diabetes, Obesity and Metabolism</i> , 2021 , 23, 195-207	6.7	7
47	Revisiting energy expenditure: how to correct mouse metabolic rate for body mass. <i>Nature Metabolism</i> , 2021 , 3, 1134-1136	14.6	7
46	[Br]eaking FAT. <i>Cell</i> , 2014 , 159, 238-40	56.2	6
45	A Synaptic Basis for GLP-1 Action in the Brain. <i>Neuron</i> , 2017 , 96, 713-715	13.9	6
44	Action profile of the antiobesity drug candidate oleoyl-estrone in rats. <i>Obesity</i> , 2010 , 18, 2260-7	8	6
43	Role of adipose and hepatic atypical protein kinase C lambda (PKC λ) in the development of obesity and glucose intolerance. <i>Adipocyte</i> , 2012 , 1, 203-214	3.2	6
42	Obesity is associated with hypothalamic injury in rodents and humans. <i>Journal of Clinical Investigation</i> , 2012 , 122, 778-778	15.9	6
41	Obesity: will withaferin win the war?. <i>Nature Medicine</i> , 2016 , 22, 970-1	50.5	6
40	Fat controls U. <i>Science</i> , 2017 , 355, 1124-1125	33.3	5
39	Emerging Poly-Agonists for Obesity and Type 2 Diabetes. <i>Obesity</i> , 2017 , 25, 1647-1649	8	5
38	Opposing Effects of Antidiabetic Interventions on Malignant Growth and Metastasis. <i>Cell Metabolism</i> , 2016 , 23, 959-960	24.6	5
37	Diversification and coevolution of the ghrelin/growth hormone secretagogue receptor system in vertebrates. <i>Ecology and Evolution</i> , 2016 , 6, 2516-35	2.8	5
36	The Pentapeptide RM-131 Promotes Food Intake and Adiposity in Wildtype Mice but Not in Mice Lacking the Ghrelin Receptor. <i>Frontiers in Nutrition</i> , 2014 , 1, 31	6.2	5

35	Gastric O-acyl transferase activates hunger signal to the brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 6213-4	11.5	5
34	The role of ghrelin-octanoyl-acyl-transferase in thermoregulation. <i>Journal of Endocrinological Investigation</i> , 2013 , 36, 180-4	5.2	5
33	Pirt deficiency has subtle female-specific effects on energy and glucose metabolism in mice. <i>Molecular Metabolism</i> , 2019 , 23, 75-81	8.8	4
32	Gender-specific effects on food intake but no inhibition of age-related fat accretion in transgenic mice overexpressing human IGFBP-2 lacking the Cardin-Weintraub sequence motif. <i>Journal of Cell Communication and Signaling</i> , 2015 , 9, 143-50	5.2	4
31	Biomedical Research Goes Viral: Dangers and Opportunities. <i>Cell</i> , 2020 , 181, 1189-1193	56.2	4
30	Circulating HDL levels control hypothalamic astrogliosis via apoA-I. <i>Journal of Lipid Research</i> , 2018 , 59, 1649-1659	6.3	4
29	Nutropioids, hedonism in the gut?. <i>Cell Metabolism</i> , 2012 , 16, 137-9	24.6	4
28	Autonomic MC sets the metabolic tone. <i>Cell Metabolism</i> , 2011 , 13, 121-3	24.6	4
27	A BAFF/APRIL axis regulates obesogenic diet-driven weight gain. <i>Nature Communications</i> , 2021 , 12, 2911	17.4	4
26	Twice the benefits with twincretins?. <i>Lancet, The</i> , 2018 , 392, 2142-2144	4.0	4
25	Combination cannabinoid and opioid receptor antagonists improves metabolic outcomes in obese mice. <i>Molecular and Cellular Endocrinology</i> , 2015 , 417, 10-9	4.4	3
24	Pharmacological targeting of $\alpha 4$ nicotinic receptors improves peripheral insulin sensitivity in mice with diet-induced obesity. <i>Diabetologia</i> , 2020 , 63, 1236-1247	10.3	3
23	Calcineurin A beta deficiency ameliorates HFD-induced hypothalamic astrocytosis in mice. <i>Journal of Neuroinflammation</i> , 2018 , 15, 35	10.1	3
22	Neural regulation of cholesterol metabolism. <i>Current Opinion in Lipidology</i> , 2011 , 22, 283-7	4.4	3
21	PYY3-36 "monkeys around" with energy balance. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2005 , 288, R358-9	3.2	3
20	Hypothalamic Injury: Fish Oil to the Rescue!. <i>Diabetes</i> , 2016 , 65, 551-3	0.9	2
19	Once Blind, Now We See GLP-1 Molecular Action. <i>Cell Metabolism</i> , 2017 , 26, 289-291	24.6	2
18	CNS regulation of plasma cholesterol. <i>Annals of Medicine</i> , 2012 , 44, 656-63	1.5	2

17	Pharmacological Treatment of Obesity 2012 , 203-225		2
16	Ghrelin 2013 , 1104-1110		2
15	Gastrointestinal signalling peptides in obesity. <i>Drug Discovery Today Disease Mechanisms</i> , 2006 , 3, 463-470		2
14	Dusp8 affects hippocampal size and behavior in mice and humans. <i>Scientific Reports</i> , 2019 , 9, 19483	4.9	2
13	Diet-induced alteration of intestinal stem cell function underlies obesity and prediabetes in mice. <i>Nature Metabolism</i> , 2021 , 3, 1202-1216	14.6	2
12	Correlation guided Network Integration (CoNI) reveals novel genes affecting hepatic metabolism. <i>Molecular Metabolism</i> , 2021 , 53, 101295	8.8	2
11	Age-dependent membrane release and degradation of full-length glycosylphosphatidylinositol-anchored proteins in rats. <i>Mechanisms of Ageing and Development</i> , 2020 , 190, 111307	5.6	1
10	Gut Peptide Agonism in the Treatment of Obesity and Diabetes. <i>Comprehensive Physiology</i> , 2019 , 10, 99-124	7.7	1
9	Diabetes type 2 risk gene Dusp8 is associated with altered sucrose reward behavior in mice and humans. <i>Brain and Behavior</i> , 2021 , 11, e01928	3.4	1
8	The Iminosugar AMP-DNM Improves Satiety and Activates Brown Adipose Tissue Through GLP1. <i>Diabetes</i> , 2019 , 68, 2223-2234	0.9	0
7	Control of Systemic Metabolism by Astrocytes in the Brain. <i>Masterclass in Neuroendocrinology</i> , 2021 , 127-153	0.2	0
6	Glukagon, das vergessene Hormon. <i>Diabetologe</i> , 2019 , 15, 177-185	0.2	
5	Unimolekulare Kombinationstherapie bei Diabetes und Adipositas [Neue therapeutische Ansätze. <i>Diabetes Aktuell</i> , 2015 , 13, 83-86	0	
4	Hypothalamische Entzündung und metabolisches Syndrom. <i>Diabetologe</i> , 2013 , 9, 455-462	0.2	
3	Gut-Brain Communication in the Regulation of System Metabolism. <i>Else-Krüger-Fresenius-Symposia</i> , 2013 , 96-102		
2	The emerging neurobiology of calorie addiction. <i>ELife</i> , 2014 , 3, e01928	8.9	
1	The Neuroanatomical Organization of Hypothalamic Feeding Circuits. <i>Masterclass in Neuroendocrinology</i> , 2021 , 317-346	0.2	