Stephen O rahilly

List of Publications by Year in Descending Order

457 papers	60,342 citations	126 h-index	238 g-index
494 ext. papers	67,170 ext. citations	13.3 avg, IF	7.22 L-index

#	Paper	IF	Citations
457	The energy balance model of obesity: beyond calories in, calories out.. *American Journal of Clinical Nutrition*, **2022**,	7	13
456	MC3R links nutritional state to childhood growth and the timing of puberty. *Nature*, **2021**, 599, 436-441	50.4	9
455	Mapping the proteo-genomic convergence of human diseases. *Science*, **2021**, 374, eabj1541	33.3	11
454	Aldehyde-driven transcriptional stress triggers an anorexic DNA damage response. *Nature*, **2021**, 600, 158-163	50.4	5
453	"Treasure Your Exceptions"-Studying Human Extreme Phenotypes to Illuminate Metabolic Health and Disease: The 2019 Banting Medal for Scientific Achievement Lecture. *Diabetes*, **2021**, 70, 29-38	0.9	1
452	Phenotypic characterization of Adig null mice suggests roles for adipogenin in the regulation of fat mass accrual and leptin secretion. *Cell Reports*, **2021**, 34, 108810	10.6	3
451	Colchicine-an old dog with new tricks. *Nature Metabolism*, **2021**, 3, 451-452	14.6	2
450	Ovarian Hyperandrogenism and Response to Gonadotropin-releasing Hormone Analogues in Primary Severe Insulin Resistance. *Journal of Clinical Endocrinology and Metabolism*, **2021**, 106, 2367-2383	5.6	4
449	The islet□ bridesmaid becomes the bride: Proglucagon-derived peptides deliver transformative therapies. *Cell*, **2021**, 184, 1945-1948	56.2	2
448	Obesity therapeutics: The end of the beginning. *Cell Metabolism*, **2021**, 33, 705-706	24.6	4
447	Loss-of-function mutations in the melanocortin 4 receptor in a UK birth cohort. *Nature Medicine*, **2021**, 27, 1088-1096	50.5	13
446	Associations between body-mass index and COVID-19 severity in 6□9 million people in England: a prospective, community-based, cohort study. *Lancet Diabetes and Endocrinology,the*, **2021**, 9, 350-359	18.1	107
445	Activation of the hypothalamic-pituitary-adrenal axis by exogenous and endogenous GDF15. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	10
444	Finding genes that control body weight. *Science*, **2021**, 373, 30-31	33.3	2
443	A classification of videoconferencing related illness: the Zoomnotic diseases. *QJM - Monthly Journal of the Association of Physicians*, **2021**, 114, 159-162	2.7	1
442	A multicomponent screen for feeding behaviour and nutritional status in Drosophila to interrogate mammalian appetite-related genes. *Molecular Metabolism*, **2021**, 43, 101127	8.8	1
441	Murine neuronatin deficiency is associated with a hypervariable food intake and bimodal obesity. *Scientific Reports*, **2021**, 11, 17571	4.9	1

440	Inhibition of mitochondrial function by metformin increases glucose uptake, glycolysis and GDF-15 release from intestinal cells. *Scientific Reports*, **2021**, 11, 2529	4.9	17
439	Identification of rare loss of function genetic variation regulating body fat distribution. *Journal of Clinical Endocrinology and Metabolism*, **2021**,	5.6	1
438	Leptin-Mediated Changes in the Human Metabolome. *Journal of Clinical Endocrinology and Metabolism*, **2020**, 105,	5.6	9
437	Exome Sequencing Identifies Genes and Gene Sets Contributing to Severe Childhood Obesity, Linking PHIP Variants to Repressed POMC Transcription. *Cell Metabolism*, **2020**, 31, 1107-1119.e12	24.6	16
436	Constitutional Thinness: tALKing the tALK or wALKing the wALK?. *Cell Metabolism*, **2020**, 32, 8-10	24.6	
435	When Two Pandemics Meet: Why Is Obesity Associated with Increased COVID-19 Mortality?. *Med*, **2020**, 1, 33-42	31.7	41
434	GDF15 mediates the effects of metformin on body weight and energy balance. *Nature*, **2020**, 578, 444-448	38.4	171
433	Truncation of Pik3r1 causes severe insulin resistance uncoupled from obesity and dyslipidaemia by increased energy expenditure. *Molecular Metabolism*, **2020**, 40, 101020	8.8	3
432	GDF15 Is Elevated in Conditions of Glucocorticoid Deficiency and Is Modulated by Glucocorticoid Replacement. *Journal of Clinical Endocrinology and Metabolism*, **2020**, 105,	5.6	4
431	A case of type B insulin resistance presenting at a district general hospital. *Practical Diabetes*, **2020**, 37, 93-95	0.7	
430	Trappc9 deficiency causes parent-of-origin dependent microcephaly and obesity. *PLoS Genetics*, **2020**, 16, e1008916	6	7
429	GDF15: A Hormone Conveying Somatic Distress to the Brain. *Endocrine Reviews*, **2020**, 41,	27.2	43
428	Low-frequency variation in TP53 has large effects on head circumference and intracranial volume. *Nature Communications*, **2019**, 10, 357	17.4	12
427	Genetic architecture of human thinness compared to severe obesity. *PLoS Genetics*, **2019**, 15, e1007603	6	51
426	Steroid receptor coactivator-1 modulates the function of Pomc neurons and energy homeostasis. *Nature Communications*, **2019**, 10, 1718	17.4	20
425	The wasting hormone GDF15 frees up fat to fight infection. *Nature Metabolism*, **2019**, 1, 935-936	14.6	2
424	Characterisation of proguanylin expressing cells in the intestine - evidence for constitutive luminal secretion. *Scientific Reports*, **2019**, 9, 15574	4.9	3
423	Circulating levels of GDF15 in patients with myalgic encephalomyelitis/chronic fatigue syndrome. *Journal of Translational Medicine*, **2019**, 17, 409	8.5	7

422	Human Semaphorin 3 Variants Link Melanocortin Circuit Development and Energy Balance. *Cell*, **2019**, 176, 729-742.e18	56.2	38
421	GDF15 Provides an Endocrine Signal of Nutritional Stress in Mice and Humans. *Cell Metabolism*, **2019**, 29, 707-718.e8	24.6	153
420	Genetic syndromes of severe insulin resistance. *Current Opinion in Genetics and Development*, **2018**, 50, 60-67	4.9	38
419	A Pharmacogenetic Approach to the Treatment of Patients With Mutations. *Diabetes*, **2018**, 67, 1086-1092	8.9	21
418	Formalising recall by genotype as an efficient approach to detailed phenotyping and causal inference. *Nature Communications*, **2018**, 9, 711	17.4	35
417	Contributions of Function-Altering Variants in Genes Implicated in Pubertal Timing and Body Mass for Self-Limited Delayed Puberty. *Journal of Clinical Endocrinology and Metabolism*, **2018**, 103, 649-659	5.6	23
416	GWAS for BMI: a treasure trove of fundamental insights into the genetic basis of obesity. *International Journal of Obesity*, **2018**, 42, 1524-1531	5.5	52
415	Hypothalamic loss of Snord116 recapitulates the hyperphagia of Prader-Willi syndrome. *Journal of Clinical Investigation*, **2018**, 128, 960-969	15.9	56
414	Associations of vomiting and antiemetic use in pregnancy with levels of circulating GDF15 early in the second trimester: A nested case-control study. *Wellcome Open Research*, **2018**, 3, 123	4.8	21
413	Efficacy of Metreleptin for Weight Loss in Overweight and Obese Adults with Low Leptin Levels. *Diabetes*, **2018**, 67, 296-LB	0.9	12
412	Protein-altering variants associated with body mass index implicate pathways that control energy intake and expenditure in obesity. *Nature Genetics*, **2018**, 50, 26-41	36.3	186
411	Trophoblast organoids as a model for maternal-fetal interactions during human placentation. *Nature*, **2018**, 564, 263-267	50.4	212
410	European paediatric non-alcoholic fatty liver disease registry (EU-PNAFLD): Design and rationale. *Contemporary Clinical Trials*, **2018**, 75, 67-71	2.3	10
409	Association of Genetic Variants Related to Gluteofemoral vs Abdominal Fat Distribution With Type 2 Diabetes, Coronary Disease, and Cardiovascular Risk Factors. *JAMA - Journal of the American Medical Association*, **2018**, 320, 2553-2563	27.4	78
408	Quantitative mass spectrometry for human melanocortin peptides in vitro and in vivo suggests prominent roles for β-MSH and desacetyl α-MSH in energy homeostasis. *Molecular Metabolism*, **2018**, 17, 82-97	8.8	13
407	Association of Genetically Enhanced Lipoprotein Lipase-Mediated Lipolysis and Low-Density Lipoprotein Cholesterol-Lowering Alleles With Risk of Coronary Disease and Type 2 Diabetes. *JAMA Cardiology*, **2018**, 3, 957-966	16.2	30
406	Heterogeneity of hypothalamic pro-opiomelanocortin-expressing neurons revealed by single-cell RNA sequencing. *Molecular Metabolism*, **2017**, 6, 383-392	8.8	92
405	Hypoinsulinaemic, hypoketotic hypoglycaemia due to mosaic genetic activation of PI3-kinase. *European Journal of Endocrinology*, **2017**, 177, 175-186	6.5	24

404	AMPK is required for exercise to enhance insulin sensitivity in skeletal muscles. *Molecular Metabolism*, **2017**, 6, 315-316	8.8	6
403	A Low-Frequency Inactivating Variant Enriched in the Finnish Population Is Associated With Fasting Insulin Levels and Type 2 Diabetes Risk. *Diabetes*, **2017**, 66, 2019-2032	0.9	29
402	Evaluation of a melanocortin-4 receptor (MC4R) agonist (Setmelanotide) in MC4R deficiency. *Molecular Metabolism*, **2017**, 6, 1321-1329	8.8	121
401	Roux-en-Y Gastric Bypass Surgery in the Management of Familial Partial Lipodystrophy Type 1. *Journal of Clinical Endocrinology and Metabolism*, **2017**, 102, 3616-3620	5.6	8
400	Obesity-associated gene has a role in the central control of appetite and body weight regulation. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, 9421-9426	11.5	38
399	The metabolic syndrome- associated small G protein ARL15 plays a role in adipocyte differentiation and adiponectin secretion. *Scientific Reports*, **2017**, 7, 17593	4.9	14
398	GDF15-From Biomarker to Allostatic Hormone. *Cell Metabolism*, **2017**, 26, 807-808	24.6	26
397	Disruption of the homeodomain transcription factor orthopedia homeobox (Otp) is associated with obesity and anxiety. *Molecular Metabolism*, **2017**, 6, 1419-1428	8.8	7
396	Constitutive Activation of AKT2 in Humans Leads to Hypoglycemia Without Fatty Liver or Metabolic Dyslipidemia. *Journal of Clinical Endocrinology and Metabolism*, **2017**, 102, 2914-2921	5.6	10
395	Rare Variant Analysis of Human and Rodent Obesity Genes in Individuals with Severe Childhood Obesity. *Scientific Reports*, **2017**, 7, 4394	4.9	31
394	Integrative genomic analysis implicates limited peripheral adipose storage capacity in the pathogenesis of human insulin resistance. *Nature Genetics*, **2017**, 49, 17-26	36.3	312
393	Sequence data and association statistics from 12,940 type 2 diabetes cases and controls. *Scientific Data*, **2017**, 4, 170179	8.2	22
392	Impaired prohormone processing: a grand unified theory for features of Prader-Willi syndrome?. *Journal of Clinical Investigation*, **2017**, 127, 98-99	15.9	6
391	Human biallelic MFN2 mutations induce mitochondrial dysfunction, upper body adipose hyperplasia, and suppression of leptin expression. *ELife*, **2017**, 6,	8.9	42
390	Genetic Syndromes Associated with Obesity **2016**, 491-497.e2		0
389	Metabolic Precision Medicines: Curing POMC Deficiency. *Cell Metabolism*, **2016**, 24, 194-5	24.6	10
388	Prospective functional classification of all possible missense variants in PPARG. *Nature Genetics*, **2016**, 48, 1570-1575	36.3	149
387	A genomic approach to therapeutic target validation identifies a glucose-lowering GLP1R variant protective for coronary heart disease. *Science Translational Medicine*, **2016**, 8, 341ra76	17.5	77

386	Divergent effects of central melanocortin signalling on fat and sucrose preference in humans. *Nature Communications*, **2016**, 7, 13055	17.4	31
385	PCSK1 Mutations and Human Endocrinopathies: From Obesity to Gastrointestinal Disorders. *Endocrine Reviews*, **2016**, 37, 347-71	27.2	65
384	FTO Obesity Variant and Adipocyte Browning in Humans. *New England Journal of Medicine*, **2016**, 374, 192-3	59.2	23
383	Trim28 Haploinsufficiency Triggers Bi-stable Epigenetic Obesity. *Cell*, **2016**, 164, 353-64	56.2	121
382	Insulin resistance uncoupled from dyslipidemia due to C-terminal PIK3R1 mutations. *JCI Insight*, **2016**, 1, e88766	9.9	30
381	Genetic Predisposition to an Impaired Metabolism of the Branched-Chain Amino Acids and Risk of Type 2 Diabetes: A Mendelian Randomisation Analysis. *PLoS Medicine*, **2016**, 13, e1002179	11.6	214
380	The McKittrick-Wheelock syndrome: a rare cause of curable diabetes. *Endocrinology, Diabetes and Metabolism Case Reports*, **2016**, 2016, 160013	1.4	2
379	Syndromes of Severe Insulin Resistance and/or Lipodystrophy **2016**, 307-324		4
378	The genetic architecture of type 2 diabetes. *Nature*, **2016**, 536, 41-47	50.4	704
377	Harveian Oration 2016: Some observations on the causes and consequences of obesity. *Clinical Medicine*, **2016**, 16, 551-564	1.9	9
376	Loss of Mrap2 is associated with Sim1 deficiency and increased circulating cholesterol. *Journal of Endocrinology*, **2016**, 230, 13-26	4.7	28
375	A Deletion in the Canine POMC Gene Is Associated with Weight and Appetite in Obesity-Prone Labrador Retriever Dogs. *Cell Metabolism*, **2016**, 23, 893-900	24.6	79
374	Association Between Low-Density Lipoprotein Cholesterol-Lowering Genetic Variants and Risk of Type 2 Diabetes: A Meta-analysis. *JAMA - Journal of the American Medical Association*, **2016**, 316, 1383-1391	37.4	225
373	How to Stop the Obesity Epidemic?. *Cell*, **2015**, 161, 173-174	56.2	2
372	Seipin oligomers can interact directly with AGPAT2 and lipin 1, physically scaffolding critical regulators of adipogenesis. *Molecular Metabolism*, **2015**, 4, 199-209	8.8	64
371	The UK10K project identifies rare variants in health and disease. *Nature*, **2015**, 526, 82-90	50.4	776
370	Truncation of POC1A associated with short stature and extreme insulin resistance. *Journal of Molecular Endocrinology*, **2015**, 55, 147-58	4.5	16
369	FTO is necessary for the induction of leptin resistance by high-fat feeding. *Molecular Metabolism*, **2015**, 4, 287-98	8.8	19

368	Clinical and molecular characterization of a novel PLIN1 frameshift mutation identified in patients with familial partial lipodystrophy. *Diabetes*, **2015**, 64, 299-310	0.9	42
367	Mechanistic insights revealed by lipid profiling in monogenic insulin resistance syndromes. *Genome Medicine*, **2015**, 7, 63	14.4	21
366	Development, factor structure and application of the Dog Obesity Risk and Appetite (DORA) questionnaire. *PeerJ*, **2015**, 3, e1278	3.1	24
365	Low-frequency and rare exome chip variants associate with fasting glucose and type 2 diabetes susceptibility. *Nature Communications*, **2015**, 6, 5897	17.4	147
364	Heterogeneity of glucagonomas due to differential processing of proglucagon-derived peptides. *Endocrinology, Diabetes and Metabolism Case Reports*, **2015**, 2015, 150105	1.4	6
363	Insulin Receptor and the Kidney: Nephrocalcinosis in Patients with Recessive INSR Mutations. *Nephron Physiology*, **2014**, 128, 55-61		13
362	Obesity and FTO: Changing Focus at a Complex Locus. *Cell Metabolism*, **2014**, 20, 710-718	24.6	68
361	Insulin-like peptide 5 is an orexigenic gastrointestinal hormone. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 11133-8	11.5	84
360	20 years of leptin: human disorders of leptin action. *Journal of Endocrinology*, **2014**, 223, T63-70	4.7	163
359	The coding sequence of POMC and obesity and appetite in Labrador retriever dogs. *Lancet, The*, **2014**, 383, S86	40	3
358	Mutations disrupting the Kennedy phosphatidylcholine pathway in humans with congenital lipodystrophy and fatty liver disease. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 8901-6	11.5	88
357	Obesity-associated melanocortin-4 receptor mutations are associated with changes in the brain response to food cues. *Journal of Clinical Endocrinology and Metabolism*, **2014**, 99, E2101-6	5.6	16
356	Leptin mediates the increase in blood pressure associated with obesity. *Cell*, **2014**, 159, 1404-16	56.2	232
355	Fat mass and obesity-related (FTO) shuttles between the nucleus and cytoplasm. *Bioscience Reports* , **2014**, 34,	4.1	51
354	Functional characterization of obesity-associated variants involving the and isoforms of human SH2B1. *Endocrinology*, **2014**, 155, 3219-26	4.8	28
353	Hypomorphism in human NSMCE2 linked to primordial dwarfism and insulin resistance. *Journal of Clinical Investigation*, **2014**, 124, 4028-38	15.9	63
352	Genetic Obesity Syndromes **2014**, 23-32		3
351	Analysis of naturally occurring mutations in the human lipodystrophy protein seipin reveals multiple potential pathogenic mechanisms. *Diabetologia*, **2013**, 56, 2498-506	10.3	34

350	KSR2 mutations are associated with obesity, insulin resistance, and impaired cellular fuel oxidation. *Cell*, **2013**, 155, 765-77	56.2	113
349	Global analysis of DNA methylation variation in adipose tissue from twins reveals links to disease-associated variants in distal regulatory elements. *American Journal of Human Genetics*, **2013**, 93, 876-90	11	269
348	Severe obesity and diabetes insipidus in a patient with PCSK1 deficiency. *Molecular Genetics and Metabolism*, **2013**, 110, 191-4	3.7	51
347	Role for the obesity-related FTO gene in the cellular sensing of amino acids. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 2557-62	11.5	129
346	Genome-wide SNP and CNV analysis identifies common and low-frequency variants associated with severe early-onset obesity. *Nature Genetics*, **2013**, 45, 513-7	36.3	231
345	An in-frame deletion at the polymerase active site of POLD1 causes a multisystem disorder with lipodystrophy. *Nature Genetics*, **2013**, 45, 947-50	36.3	120
344	Epidemiological evidence against a role for C-reactive protein causing leptin resistance. *European Journal of Endocrinology*, **2013**, 168, 101-6	6.5	5
343	FTO expression is regulated by availability of essential amino acids. *International Journal of Obesity*, **2013**, 37, 744-7	5.5	66
342	Depletion of stromal cells expressing fibroblast activation protein-α from skeletal muscle and bone marrow results in cachexia and anemia. *Journal of Experimental Medicine*, **2013**, 210, 1137-51	16.6	219
341	Adult onset global loss of the fto gene alters body composition and metabolism in the mouse. *PLoS Genetics*, **2013**, 9, e1003166	6	103
340	Loss of function of the melanocortin 2 receptor accessory protein 2 is associated with mammalian obesity. *Science*, **2013**, 341, 275-8	33.3	179
339	Knockdown of diacylglycerol kinase delta inhibits adipocyte differentiation and alters lipid synthesis. *Obesity*, **2013**, 21, 1823-9	8	10
338	Effects of the mu-opioid receptor antagonist GSK1521498 on hedonic and consummatory eating behaviour: a proof of mechanism study in binge-eating obese subjects. *Molecular Psychiatry*, **2013**, 18, 1287-93	15.1	77
337	Identification and Characterisation of a Novel Pathogenic Mutation in the Human Lipodystrophy Gene AGPAT2 : C48R: A Novel Mutation in AGPAT2. *JIMD Reports*, **2013**, 9, 73-80	1.9	8
336	Rare variants in single-minded 1 (SIM1) are associated with severe obesity. *Journal of Clinical Investigation*, **2013**, 123, 3042-50	15.9	107
335	Human SH2B1 mutations are associated with maladaptive behaviors and obesity. *Journal of Clinical Investigation*, **2013**, 123, 526-526	15.9	78
334	The human lipodystrophy protein seipin is an ER membrane adaptor for the adipogenic PA phosphatase lipin 1. *Molecular Metabolism*, **2012**, 2, 38-46	8.8	62
333	Shedding pounds after going under the knife: guts over glory-why diets fail. *Nature Medicine*, **2012**, 18, 666-7	50.5	17

332	A genome-wide association meta-analysis identifies new childhood obesity loci. *Nature Genetics*, **2012**, 44, 526-31	36.3	292
331	Metabolic insights from extreme human insulin resistance phenotypes. *Best Practice and Research in Clinical Endocrinology and Metabolism*, **2012**, 26, 145-57	6.5	20
330	Mapping cis- and trans-regulatory effects across multiple tissues in twins. *Nature Genetics*, **2012**, 44, 1084-9	36.3	572
329	Uncovering the biology of FTO. *Molecular Metabolism*, **2012**, 1, 32-6	8.8	9
328	Relationship between Changes in Plasma Adiponectin Concentration and Insulin Sensitivity after Niacin Therapy. *CardioRenal Medicine*, **2012**, 2, 211-217	2.8	10
327	A genome-wide approach accounting for body mass index identifies genetic variants influencing fasting glycemic traits and insulin resistance. *Nature Genetics*, **2012**, 44, 659-69	36.3	615
326	Kinetic analysis of FTO (fat mass and obesity-associated) reveals that it is unlikely to function as a sensor for 2-oxoglutarate. *Biochemical Journal*, **2012**, 444, 183-7	3.8	21
325	Mitochondrial oxidative phosphorylation is impaired in patients with congenital lipodystrophy. *Journal of Clinical Endocrinology and Metabolism*, **2012**, 97, E438-42	5.6	21
324	Mosaic overgrowth with fibroadipose hyperplasia is caused by somatic activating mutations in PIK3CA. *Nature Genetics*, **2012**, 44, 928-33	36.3	221
323	Investigating the involvement of the ATF6 pathway of the unfolded protein response in adipogenesis. *International Journal of Obesity*, **2012**, 36, 1248-51	5.5	30
322	Human SH2B1 mutations are associated with maladaptive behaviors and obesity. *Journal of Clinical Investigation*, **2012**, 122, 4732-6	15.9	103
321	Genetic variation near IRS1 associates with reduced adiposity and an impaired metabolic profile. *Nature Genetics*, **2011**, 43, 753-60	36.3	237
320	Adipogenesis at a glance. *Journal of Cell Science*, **2011**, 124, 2681-6	5.3	246
319	Perilipin deficiency and autosomal dominant partial lipodystrophy. *New England Journal of Medicine* , **2011**, 364, 740-8	59.2	201
318	Genome-wide association identifies nine common variants associated with fasting proinsulin levels and provides new insights into the pathophysiology of type 2 diabetes. *Diabetes*, **2011**, 60, 2624-34	0.9	285
317	Assessment of acute and chronic pharmacological effects on energy expenditure and macronutrient oxidation in humans: responses to ephedrine. *Journal of Obesity*, **2011**, 2011,	3.7	2
316	Early Diagnosis of Werner's Syndrome Using Exome-Wide Sequencing in a Single, Atypical Patient. *Frontiers in Endocrinology*, **2011**, 2, 8	5.7	8
315	Mechanistic insights into insulin resistance in the genetic era. *Diabetic Medicine*, **2011**, 28, 1476-86	3.5	35

314	Founder effect in the Horn of Africa for an insulin receptor mutation that may impair receptor recycling. *Diabetologia*, **2011**, 54, 1057-65	10.3	8
313	Human obesity and insulin resistance: Lessons from human genetics. *Clinical Biochemistry*, **2011**, 44, 451	3.5	2
312	Genetic syndromes of severe insulin resistance. *Endocrine Reviews*, **2011**, 32, 498-514	27.2	212
311	Differential lipid partitioning between adipocytes and tissue macrophages modulates macrophage lipotoxicity and M2/M1 polarization in obese mice. *Diabetes*, **2011**, 60, 797-809	0.9	248
310	Loss of agouti-related peptide does not significantly impact the phenotype of murine POMC deficiency. *Endocrinology*, **2011**, 152, 1819-28	4.8	18
309	Obesity due to melanocortin 4 receptor (MC4R) deficiency is associated with increased linear growth and final height, fasting hyperinsulinemia, and incompletely suppressed growth hormone secretion. *Journal of Clinical Endocrinology and Metabolism*, **2011**, 96, E181-8	5.6	92
308	Adipogenesis at a glance. *Journal of Cell Science*, **2011**, 124, 3726-3726	5.3	6
307	Human frame shift mutations affecting the carboxyl terminus of perilipin increase lipolysis by failing to sequester the adipose triglyceride lipase (ATGL) coactivator AB-hydrolase-containing 5 (ABHD5). *Journal of Biological Chemistry*, **2011**, 286, 34998-5006	5.4	67
306	Genetic defects in human pericentrin are associated with severe insulin resistance and diabetes. *Diabetes*, **2011**, 60, 925-35	0.9	44
305	Set points, settling points and some alternative models: theoretical options to understand how genes and environments combine to regulate body adiposity. *DMM Disease Models and Mechanisms*, **2011**, 4, 733-45	4.1	206
304	The architecture of gene regulatory variation across multiple human tissues: the MuTHER study. *PLoS Genetics*, **2011**, 7, e1002003	6	336
303	An activating mutation of AKT2 and human hypoglycemia. *Science*, **2011**, 334, 474	33.3	129
302	Mitochondrial dysfunction in patients with primary congenital insulin resistance. *Journal of Clinical Investigation*, **2011**, 121, 2457-61	15.9	78
301	The effects of neurokinin B upon gonadotrophin release in male rodents. *Journal of Neuroendocrinology*, **2010**, 22, 181-7	3.8	54
300	Identification of the global transcriptomic response of the hypothalamic arcuate nucleus to fasting and leptin. *Journal of Neuroendocrinology*, **2010**, 22, 915-25	3.8	30
299	Morbid obesity exposes the association between PNPLA3 I148M (rs738409) and indices of hepatic injury in individuals of European descent. *International Journal of Obesity*, **2010**, 34, 190-4	5.5	141
298	A new highly penetrant form of obesity due to deletions on chromosome 16p11.2. *Nature*, **2010**, 463, 671-5	50.4	403
297	Association analyses of 249,796 individuals reveal 18 new loci associated with body mass index. *Nature Genetics*, **2010**, 42, 937-48	36.3	2267

296	Lipodystrophy: metabolic insights from a rare disorder. *Journal of Endocrinology*, **2010**, 207, 245-55	4.7	144
295	Distinct modulatory effects of satiety and sibutramine on brain responses to food images in humans: a double dissociation across hypothalamus, amygdala, and ventral striatum. *Journal of Neuroscience*, **2010**, 30, 14346-55	6.6	61
294	Prevalence of loss-of-function FTO mutations in lean and obese individuals. *Diabetes*, **2010**, 59, 311-8	0.9	83
293	Treatment with recombinant human insulin-like growth factor (rhIGF)-I/rhIGF binding protein-3 complex improves metabolic control in subjects with severe insulin resistance. *Journal of Clinical Endocrinology and Metabolism*, **2010**, 95, 2113-22	5.6	43
292	Hypothalamic-specific manipulation of Fto, the ortholog of the human obesity gene FTO, affects food intake in rats. *PLoS ONE*, **2010**, 5, e8771	3.7	134
291	CNS leptin action modulates immune response and survival in sepsis. *Journal of Neuroscience*, **2010**, 30, 6036-47	6.6	71
290	Syndromes of Severe Insulin Resistance and/or Lipodystrophy **2010**, 39-52		6
289	Abdominal subcutaneous adipose tissue morphology in a patient with a dominant-negative mutation (P467L) in the nuclear receptor peroxisome proliferator-activated receptor-gamma (PPARG) gene. *Nutrition, Metabolism and Cardiovascular Diseases*, **2010**, 20, e11-2	4.5	2
288	Large, rare chromosomal deletions associated with severe early-onset obesity. *Nature*, **2010**, 463, 666-70	30.4	417
287	Loss of NPC1 function in a patient with a co-inherited novel insulin receptor mutation does not grossly modify the severity of the associated insulin resistance. *Journal of Inherited Metabolic Disease*, **2010**, 33 Suppl 3, S227-32	5.4	1
286	Leptin therapy in lipodystrophy. *Diabetologia*, **2010**, 53, 7-9	10.3	14
285	Analysis of TBC1D4 in patients with severe insulin resistance. *Diabetologia*, **2010**, 53, 1239-42	10.3	10
284	Genetic Syndromes Associated with Obesity **2010**, 566-574		
283	C/EBP transcription factors regulate SREBP1c gene expression during adipogenesis. *Biochemical Journal*, **2009**, 425, 215-23	3.8	133
282	Hypogonadotropic hypogonadism due to a novel missense mutation in the first extracellular loop of the neurokinin B receptor. *Journal of Clinical Endocrinology and Metabolism*, **2009**, 94, 3633-3639	5.6	110
281	Leptin: a pivotal regulator of human energy homeostasis. *American Journal of Clinical Nutrition*, **2009**, 89, 980S-984S	7	226
280	A deletion of the HBII-85 class of small nucleolar RNAs (snoRNAs) is associated with hyperphagia, obesity and hypogonadism. *Human Molecular Genetics*, **2009**, 18, 3257-65	5.6	217
279	Complement abnormalities in acquired lipodystrophy revisited. *Journal of Clinical Endocrinology and Metabolism*, **2009**, 94, 10-6	5.6	64

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