Stephen O'rahilly

List of Publications by Year
in descending order

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466	73,064	384	640
papers	citations	134 h-index	256 g-index

495	495	495	59592
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Congenital leptin deficiency is associated with severe early-onset obesity in humans. Nature, 1997, 387, 903-908.	13.7	2,664
2	Association analyses of 249,796 individuals reveal 18 new loci associated with body mass index. Nature Genetics, 2010, 42, 937-948.	9.4	2,634
3	TheGPR54Gene as a Regulator of Puberty. New England Journal of Medicine, 2003, 349, 1614-1627.	13.9	2,297
4	Effects of Recombinant Leptin Therapy in a Child with Congenital Leptin Deficiency. New England Journal of Medicine, 1999, 341, 879-884.	13.9	1,760
5	Six new loci associated with body mass index highlight a neuronal influence on body weight regulation. Nature Genetics, 2009, 41, 25-34.	9.4	1,572
6	Clinical Spectrum of Obesity and Mutations in the Melanocortin 4 Receptor Gene. New England Journal of Medicine, 2003, 348, 1085-1095.	13.9	1,475
7	The Obesity-Associated FTO Gene Encodes a 2-Oxoglutarate-Dependent Nucleic Acid Demethylase. Science, 2007, 318, 1469-1472.	6.0	1,305
8	Dominant negative mutations in human PPARÎ³ associated with severe insulin resistance, diabetes mellitus and hypertension. Nature, 1999, 402, 880-883.	13.7	1,286
9	Common variants near MC4R are associated with fat mass, weight and risk of obesity. Nature Genetics, 2008, 40, 768-775.	9.4	1,179
10	Obesity and impaired prohormone processing associated with mutations in the human prohormone convertase 1 gene. Nature Genetics, 1997, 16, 303-306.	9.4	1,068
11	A frameshift mutation in MC4R associated with dominantly inherited human obesity. Nature Genetics, 1998, 20, 111-112.	9.4	1,026
12	The UK10K project identifies rare variants in health and disease. Nature, 2015, 526, 82-90.	13.7	1,014
13	Beneficial effects of leptin on obesity, T cell hyporesponsiveness, and neuroendocrine/metabolic dysfunction of human congenital leptin deficiency. Journal of Clinical Investigation, 2002, 110, 1093-1103.	3.9	953
14	The genetic architecture of type 2 diabetes. Nature, 2016, 536, 41-47.	13.7	952
15	International Union of Pharmacology. LXI. Peroxisome Proliferator-Activated Receptors. Pharmacological Reviews, 2006, 58, 726-741.	7.1	869
16	TAC3 and TACR3 mutations in familial hypogonadotropic hypogonadism reveal a key role for Neurokinin B in the central control of reproduction. Nature Genetics, 2009, 41, 354-358.	9.4	817
17	A genome-wide approach accounting for body mass index identifies genetic variants influencing fasting glycemic traits and insulin resistance. Nature Genetics, 2012, 44, 659-669.	9.4	762
18	PPARÂ and human metabolic disease. Journal of Clinical Investigation, 2006, 116, 581-589.	3.9	717

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19	Resistin / Fizz3 Expression in Relation to Obesity and Peroxisome Proliferator-Activated Receptor-Â Action in Humans. Diabetes, 2001, 50, 2199-2202.	0.3	716
20	Mapping cis- and trans-regulatory effects across multiple tissues in twins. Nature Genetics, 2012, 44, 1084-1089.	9.4	701
21	Dominant and recessive inheritance of morbid obesity associated with melanocortin 4 receptor deficiency. Journal of Clinical Investigation, 2000, 106, 271-279.	3.9	696
22	Genetics of body-weight regulation. Nature, 2000, 404, 644-651.	13.7	682
23	Beneficial effects of leptin on obesity, T cell hyporesponsiveness, and neuroendocrine/metabolic dysfunction of human congenital leptin deficiency. Journal of Clinical Investigation, 2002, 110, 1093-1103.	3.9	670
24	LMNA, encoding lamin A/C, is mutated in partial lipodystrophy. Nature Genetics, 2000, 24, 153-156.	9.4	653
25	The perils of portliness: causes and consequences of visceral adiposity. Diabetes, 2000, 49, 883-888.	0.3	643
26	Clinical and Molecular Genetic Spectrum of Congenital Deficiency of the Leptin Receptor. New England Journal of Medicine, 2007, 356, 237-247.	13.9	610
27	Leptin Regulates Striatal Regions and Human Eating Behavior. Science, 2007, 317, 1355-1355.	6.0	541
28	Induction of Adipocyte Complement-Related Protein of 30 Kilodaltons by PPARÎ³ Agonists: A Potential Mechanism of Insulin Sensitization. Endocrinology, 2002, 143, 998-1007.	1.4	533
29	Impaired Pulsatile Secretion of Insulin in Relatives of Patients with Non-Insulin-Dependent Diabetes. New England Journal of Medicine, 1988, 318, 1225-1230.	13.9	525
30	A Family with Severe Insulin Resistance and Diabetes Due to a Mutation in AKT2. Science, 2004, 304, 1325-1328.	6.0	509
31	The Hormonal Control of Food Intake. Cell, 2007, 129, 251-262.	13.5	508
32	A de novo mutation affecting human TrkB associated with severe obesity and developmental delay. Nature Neuroscience, 2004, 7, 1187-1189.	7.1	499
33	Large, rare chromosomal deletions associated with severe early-onset obesity. Nature, 2010, 463, 666-670.	13.7	487
34	A new highly penetrant form of obesity due to deletions on chromosome 16p11.2. Nature, 2010, 463, 671-675.	13.7	476
35	Genetics of Obesity in Humans. Endocrine Reviews, 2006, 27, 710-718.	8.9	452
36	Integrative genomic analysis implicates limited peripheral adipose storage capacity in the pathogenesis of human insulin resistance. Nature Genetics, 2017, 49, 17-26.	9.4	452

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37	Obesity Associated Genetic Variation inFTOIs Associated with Diminished Satiety. Journal of Clinical Endocrinology and Metabolism, 2008, 93, 3640-3643.	1.8	443
38	Trophoblast organoids as a model for maternalâ€“fetal interactions during human placentation. Nature, 2018, 564, 263-267.	13.7	436
39	Hyperphagia, Severe Obesity, Impaired Cognitive Function, and Hyperactivity Associated With Functional Loss of One Copy of the Brain-Derived Neurotrophic Factor (BDNF) Gene. Diabetes, 2006, 55, 3366-3371.	0.3	421
40	Human Metabolic Syndrome Resulting From Dominant-Negative Mutations in the Nuclear Receptor Peroxisome Proliferator-Activated Receptor-Â. Diabetes, 2003, 52, 910-917.	0.3	412
41	Modulation of Blood Pressure by Central Melanocortinergic Pathways. New England Journal of Medicine, 2009, 360, 44-52.	13.9	412
42	The Architecture of Gene Regulatory Variation across Multiple Human Tissues: The MuTHER Study. PLoS Genetics, 2011, 7, e1002003.	1.5	392
43	Monogenic Obesity in Humans. Annual Review of Medicine, 2005, 56, 443-458.	5.0	367
44	Further evidence for an association between non-insulin-dependent diabetes mellitus and chronic hepatitis C virus infection. Hepatology, 1999, 30, 1059-1063.	3.6	358
45	Evidence for Gene-Nutrient Interaction at the PPARÂ Locus. Diabetes, 2001, 50, 686-689.	0.3	358
46	Influence of Leptin on Arterial Distensibility. Circulation, 2002, 106, 1919-1924.	1.6	357
47	Partial leptin deficiency and human adiposity. Nature, 2001, 414, 34-35.	13.7	356
48	Serum Ghrelin Levels Are Inversely Correlated with Body Mass Index, Age, and Insulin Concentrations in Normal Children and Are Markedly Increased in Prader-Willi Syndrome. Journal of Clinical Endocrinology and Metabolism, 2003, 88, 174-178.	1.8	356
49	A genome-wide association meta-analysis identifies new childhood obesity loci. Nature Genetics, 2012, 44, 526-531.	9.4	352
50	Regulation of Adipose Cell Number in Man. Clinical Science, 1997, 92, 3-11.	1.8	349
51	Associations between body-mass index and COVID-19 severity in 6Â·9 million people in England: a prospective, community-based, cohort study. Lancet Diabetes and Endocrinology,the, 2021, 9, 350-359.	5.5	348
52	Mice lacking pro-opiomelanocortin are sensitive to high-fat feeding but respond normally to the acute anorectic effects of peptide-YY3-36. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 4695-4700.	3.3	345
53	Association of a Homozygous Nonsense Caveolin-1 Mutation with Berardinelli-Seip Congenital Lipodystrophy. Journal of Clinical Endocrinology and Metabolism, 2008, 93, 1129-1134.	1.8	343
54	The central melanocortin system directly controls peripheral lipid metabolism. Journal of Clinical Investigation, 2007, 117, 3475-3488.	3.9	341

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55	Loss-of-Function Mutation in the Dioxygenase-Encoding FTO Gene Causes Severe Growth Retardation and Multiple Malformations. American Journal of Human Genetics, 2009, 85, 106-111.	2.6	340
56	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, 2624-2634.	0.3	335
57	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, 876-890.	2.6	330
58	GDF15 mediates the effects of metformin on body weight and energy balance. Nature, 2020, 578, 444-448.	13.7	326
59	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.	3.9	324
60	Association Between Low-Density Lipoprotein Cholesterolâ€“Lowering Genetic Variants and Risk of Type 2 Diabetes. JAMA - Journal of the American Medical Association, 2016, 316, 1383.	3.8	310
61	Human genetics illuminates the paths to metabolic disease. Nature, 2009, 462, 307-314.	13.7	304
62	Depletion of stromal cells expressing fibroblast activation protein-Î± from skeletal muscle and bone marrow results in cachexia and anemia. Journal of Experimental Medicine, 2013, 210, 1137-1151.	4.2	304
63	A Genomewide Scan for Loci Predisposing to Type 2 Diabetes in a U.K. Population (The Diabetes UK) Tj ETQq1 1 0.784314 rgBT /Over Locus on Chromosome 1q. American Journal of Human Genetics, 2001, 69, 553-569.	2.6	300
64	Differential Lipid Partitioning Between Adipocytes and Tissue Macrophages Modulates Macrophage Lipotoxicity and M2/M1 Polarization in Obese Mice. Diabetes, 2011, 60, 797-809.	0.3	297
65	Adipogenesis at a glance. Journal of Cell Science, 2011, 124, 2681-2686.	1.2	296
66	Genetic variation near IRS1 associates with reduced adiposity and an impaired metabolic profile. Nature Genetics, 2011, 43, 753-760.	9.4	289
67	Leptin Mediates the Increase in Blood Pressure Associated with Obesity. Cell, 2014, 159, 1404-1416.	13.5	288
68	Activation of Peroxisome Proliferatorâ€“Activated Receptor (PPAR)Î´ Promotes Reversal of Multiple Metabolic Abnormalities, Reduces Oxidative Stress, and Increases Fatty Acid Oxidation in Moderately Obese Men. Diabetes, 2008, 57, 332-339.	0.3	287
69	GDF15 Provides an Endocrine Signal of Nutritional Stress in Mice and Humans. Cell Metabolism, 2019, 29, 707-718.e8.	7.2	286
70	Protein-altering variants associated with body mass index implicate pathways that control energy intake and expenditure in obesity. Nature Genetics, 2018, 50, 26-41.	9.4	286
71	Pharmacological Inhibition of Glucosylceramide Synthase Enhances Insulin Sensitivity. Diabetes, 2007, 56, 1341-1349.	0.3	280
72	Genome-wide SNP and CNV analysis identifies common and low-frequency variants associated with severe early-onset obesity. Nature Genetics, 2013, 45, 513-517.	9.4	278

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73	Small-intestinal dysfunction accompanies the complex endocrinopathy of human proprotein convertase 1 deficiency. Journal of Clinical Investigation, 2003, 112, 1550-1560.	3.9	276
74	Genetic Syndromes of Severe Insulin Resistance. Endocrine Reviews, 2011, 32, 498-514.	8.9	274
75	Tumor Necrosis Factor-Î± Induces Apoptosis of Human Adipose Cells. Diabetes, 1997, 46, 1939-1944.	0.3	271
76	Correlation of the leptin:adiponectin ratio with measures of insulin resistance in non-diabetic individuals. Diabetologia, 2009, 52, 2345-2349.	2.9	270
77	Mosaic overgrowth with fibroadipose hyperplasia is caused by somatic activating mutations in PIK3CA. Nature Genetics, 2012, 44, 928-933.	9.4	269
78	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, 733-745.	1.2	266
79	Two Novel Missense Mutations in G Protein-Coupled Receptor 54 in a Patient with Hypogonadotropic Hypogonadism. Journal of Clinical Endocrinology and Metabolism, 2005, 90, 1849-1855.	1.8	264
80	Candidate Gene Association Study in Type 2 Diabetes Indicates a Role for Genes Involved in Î²-Cell Function as Well as Insulin Action. PLoS Biology, 2003, 1, e20.	2.6	262
81	Leptin: a pivotal regulator of human energy homeostasis. American Journal of Clinical Nutrition, 2009, 89, 980S-984S.	2.2	261
82	Postreceptor insulin resistance contributes to human dyslipidemia and hepatic steatosis. Journal of Clinical Investigation, 2009, 119, 315-22.	3.9	256
83	A deletion of the HBII-85 class of small nucleolar RNAs (snoRNAs) is associated with hyperphagia, obesity and hypogonadism. Human Molecular Genetics, 2009, 18, 3257-3265.	1.4	253
84	A missense mutation disrupting a dibasic prohormone processing site in pro-opiomelanocortin (POMC) increases susceptibility to early-onset obesity through a novel molecular mechanism. Human Molecular Genetics, 2002, 11, 1997-2004.	1.4	249
85	Perilipin Deficiency and Autosomal Dominant Partial Lipodystrophy. New England Journal of Medicine, 2011, 364, 740-748.	13.9	248
86	Congenital Leptin Deficiency Due to Homozygosity for the Î”133G Mutation: Report of Another Case and Evaluation of Response to Four Years of Leptin Therapy. Journal of Clinical Endocrinology and Metabolism, 2004, 89, 4821-4826.	1.8	245
87	Serotonin Activates the Hypothalamic-Pituitary-Adrenal Axis via Serotonin 2C Receptor Stimulation. Journal of Neuroscience, 2007, 27, 6956-6964.	1.7	243
88	Genetic Factors in Type 2 Diabetes: The End of the Beginning?. Science, 2005, 307, 370-373.	6.0	239
89	Serotonin 5-HT2C Receptor Agonist Promotes Hypophagia via Downstream Activation of Melanocortin 4 Receptors. Endocrinology, 2008, 149, 1323-1328.	1.4	237
90	Partial lipodystrophy and insulin resistant diabetes in a patient with a homozygous nonsense mutation in CIDEC. EMBO Molecular Medicine, 2009, 1, 280-287.	3.3	235

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91	Impaired Processing of Prohormones Associated with Abnormalities of Glucose Homeostasis and Adrenal Function. New England Journal of Medicine, 1995, 333, 1386-1391.	13.9	233
92	Prevalence of Melanocortin-4 Receptor Deficiency in Europeans and Their Age-Dependent Penetrance in Multigenerational Pedigrees. Diabetes, 2008, 57, 2511-2518.	0.3	229
93	Mutations in ligands and receptors of the leptinâ€“melanocortin pathway that lead to obesity. Nature Clinical Practice Endocrinology and Metabolism, 2008, 4, 569-577.	2.9	225
94	Loss of Function of the Melanocortin 2 Receptor Accessory Protein 2 Is Associated with Mammalian Obesity. Science, 2013, 341, 275-278.	6.0	225
95	Acute effects of PYY3â€“36 on food intake and hypothalamic neuropeptide expression in the mouse. Biochemical and Biophysical Research Communications, 2003, 311, 915-919.	1.0	218
96	20 YEARS OF LEPTIN: Human disorders of leptin action. Journal of Endocrinology, 2014, 223, T63-T70.	1.2	218
97	Phenotypic and Genetic Heterogeneity in Congenital Generalized Lipodystrophy. Journal of Clinical Endocrinology and Metabolism, 2003, 88, 4840-4847.	1.8	217
98	Prospective functional classification of all possible missense variants in PPARG. Nature Genetics, 2016, 48, 1570-1575.	9.4	210
99	A POMC variant implicates Î²-melanocyte-stimulating hormone in the control of human energy balance. Cell Metabolism, 2006, 3, 135-140.	7.2	207
100	Heterozygosity for aPOMC-Null Mutation and Increased Obesity Risk in Humans. Diabetes, 2006, 55, 2549-2553.	0.3	205
101	Mutations in the human melanocortin-4 receptor gene associated with severe familial obesity disrupts receptor function through multiple molecular mechanisms. Human Molecular Genetics, 2003, 12, 561-574.	1.4	201
102	Evaluation of a melanocortin-4 receptor (MC4R) agonist (Setmelanotide) in MC4R deficiency. Molecular Metabolism, 2017, 6, 1321-1329.	3.0	200
103	Proopiomelanocortin and Energy Balance: Insights from Human and Murine Genetics. Journal of Clinical Endocrinology and Metabolism, 2004, 89, 2557-2562.	1.8	197
104	Hyperphagia and Early-Onset Obesity due to a Novel Homozygous Missense Mutation in Prohormone Convertase 1/3. Journal of Clinical Endocrinology and Metabolism, 2007, 92, 3369-3373.	1.8	196
105	Minireview: Human Obesityâ€”Lessons from Monogenic Disorders. Endocrinology, 2003, 144, 3757-3764.	1.4	194
106	Mapping the proteo-genomic convergence of human diseases. Science, 2021, 374, eabj1541.	6.0	192
107	Characterization of the human, mouse and rat PGC1beta (peroxisome-proliferator-activated) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.7	185
108	Analysis of parent-offspring trios provides evidence for linkage and association between the insulin gene and type 2 diabetes mediated exclusively through paternally transmitted class III variable number tandem repeat alleles. Diabetes, 2000, 49, 126-130.	0.3	184

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109	The Human Lipodystrophy Gene BSCL2/Seipin May Be Essential for Normal Adipocyte Differentiation. Diabetes, 2008, 57, 2055-2060.	0.3	181
110	Expression of the thermogenic nuclear hormone receptor coactivator PGC-1Î± is reduced in the adipose tissue of morbidly obese subjects. International Journal of Obesity, 2004, 28, 176-179.	1.6	180
111	Lipodystrophy: metabolic insights from a rare disorder. Journal of Endocrinology, 2010, 207, 245-255.	1.2	173
112	Low-frequency and rare exome chip variants associate with fasting glucose and type 2 diabetes susceptibility. Nature Communications, 2015, 6, 5897.	5.8	173
113	Studies of Association between the Gene for Calpain-10 and Type 2 Diabetes Mellitus in the United Kingdom. American Journal of Human Genetics, 2001, 69, 544-552.	2.6	171
114	A Gene for Congenital Generalized Lipodystrophy Maps to Human Chromosome 9q34. Journal of Clinical Endocrinology and Metabolism, 1999, 84, 3390-3394.	1.8	167
115	The Metabolic Syndrome: Peroxisome Proliferator-Activated Receptor Î³ and Its Therapeutic Modulation. Journal of Clinical Endocrinology and Metabolism, 2003, 88, 2412-2421.	1.8	167
116	Non-DNA binding, dominant-negative, human PPARÎ³ mutations cause lipodystrophic insulin resistance. Cell Metabolism, 2006, 4, 303-311.	7.2	164
117	Isomer-Dependent Metabolic Effects of Conjugated Linoleic Acid: Insights From Molecular Markers Sterol Regulatory Element-Binding Protein-1c and LXRÂ. Diabetes, 2002, 51, 2037-2044.	0.3	163
118	An Activating Mutation of AKT2 and Human Hypoglycemia. Science, 2011, 334, 474-474.	6.0	162
119	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, 190-194.	1.6	161
120	Trim28 Haploinsufficiency Triggers Bi-stable Epigenetic Obesity. Cell, 2016, 164, 353-364.	13.5	161
121	Human Obesity: A Heritable Neurobehavioral Disorder That Is Highly Sensitive to Environmental Conditions. Diabetes, 2008, 57, 2905-2910.	0.3	160
122	C/EBP transcription factors regulate SREBP1c gene expression during adipogenesis. Biochemical Journal, 2010, 425, 215-224.	1.7	160
123	The Link Between Nutritional Status and Insulin Sensitivity Is Dependent on the Adipocyte-Specific Peroxisome Proliferator-Activated Receptor-Â2 Isoform. Diabetes, 2005, 54, 1706-1716.	0.3	157
124	TCF7L2 Polymorphisms Modulate Proinsulin Levels and Â-Cell Function in a British Europid Population. Diabetes, 2007, 56, 1943-1947.	0.3	154
125	KSR2 Mutations Are Associated with Obesity, Insulin Resistance, and Impaired Cellular Fuel Oxidation. Cell, 2013, 155, 765-777.	13.5	154
126	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.	3.8	152

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127	Hypothalamic-Specific Manipulation of Fto, the Ortholog of the Human Obesity Gene FTO, Affects Food Intake in Rats. PLoS ONE, 2010, 5, e8771.	1.1	151
128	An in-frame deletion at the polymerase active site of POLD1 causes a multisystem disorder with lipodystrophy. Nature Genetics, 2013, 45, 947-950.	9.4	151
129	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, 2557-2562.	3.3	150
130	Leptin Predicts a Worsening of the Features of the Metabolic Syndrome Independently of Obesity. Obesity, 2005, 13, 1476-1484.	4.0	148
131	A Genome-Wide Association Study Reveals Variants in ARL15 that Influence Adiponectin Levels. PLoS Genetics, 2009, 5, e1000768.	1.5	148
132	Human SH2B1 mutations are associated with maladaptive behaviors and obesity. Journal of Clinical Investigation, 2012, 122, 4732-4736.	3.9	147
133	Genetic factors in human obesity. Obesity Reviews, 2007, 8, 37-40.	3.1	144
134	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, 1327-1336.	0.3	143
135	Small-intestinal dysfunction accompanies the complex endocrinopathy of human proprotein convertase 1 deficiency. Journal of Clinical Investigation, 2003, 112, 1550-1560.	3.9	140
136	The Wnt antagonist Dickkopf-1 and its receptors are coordinately regulated during early human adipogenesis. Journal of Cell Science, 2006, 119, 2613-2620.	1.2	138
137	Rare variants in single-minded 1 (SIM1) are associated with severe obesity. Journal of Clinical Investigation, 2013, 123, 3042-3050.	3.9	135
138	Regulation of tumour necrosis factor-alpha release from human adipose tissue in vitro. Journal of Endocrinology, 1999, 163, 33-38.	1.2	134
139	Digenic inheritance of severe insulin resistance in a human pedigree. Nature Genetics, 2002, 31, 379-384.	9.4	134
140	Human Obesity and Type 2 Diabetes Are Associated With Alterations in SREBP1 Isoform Expression That Are Reproduced Ex Vivo by Tumor Necrosis Factor-Â. Diabetes, 2002, 51, 1035-1041.	0.3	133
141	Adult Onset Global Loss of the Fto Gene Alters Body Composition and Metabolism in the Mouse. PLoS Genetics, 2013, 9, e1003166.	1.5	129
142	Heterogeneity of hypothalamic pro-opiomelanocortin-expressing neurons revealed by single-cell RNA sequencing. Molecular Metabolism, 2017, 6, 383-392.	3.0	128
143	WNT10B mutations in human obesity. Diabetologia, 2006, 49, 678-684.	2.9	127
144	Elevated Plasma Adiponectin in Humans with Genetically Defective Insulin Receptors. Journal of Clinical Endocrinology and Metabolism, 2006, 91, 3219-3223.	1.8	127

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145	The V103I polymorphism of the MC4R gene and obesity: population based studies and meta-analysis of 29â€‰563 individuals. International Journal of Obesity, 2007, 31, 1437-1441.	1.6	126
146	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, 8901-8906.	3.3	125
147	Monogenic Human Obesity Syndromes. Endocrine Reviews, 2004, 59, 409-424.	7.1	125
148	The energy balance model of obesity: beyond calories in, calories out. American Journal of Clinical Nutrition, 2022, 115, 1243-1254.	2.2	123
149	Detection of Mutations in Insulin-Receptor Gene in NIDDM Patients by Analysis of Single-Stranded Conformation Polymorphisms. Diabetes, 1991, 40, 777-782.	0.3	122
150	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.	1.8	122
151	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-E188.	1.8	120
152	Insulin-like peptide 5 is an orexigenic gastrointestinal hormone. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 11133-11138.	3.3	120
153	Genetics of obesity. Philosophical Transactions of the Royal Society B: Biological Sciences, 2006, 361, 1095-1105.	1.8	118
154	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.	7.2	117
155	Recent advances: Recent advances in the genetics of severe childhood obesity. Archives of Disease in Childhood, 2000, 83, 31-34.	1.0	113
156	A Quantitative Trait Locus on Chromosome 18q for Physical Activity and Dietary Intake in Hispanic Children. Obesity, 2006, 14, 1596-1604.	1.5	113
157	PCSK1 Mutations and Human Endocrinopathies: From Obesity to Gastrointestinal Disorders. Endocrine Reviews, 2016, 37, 347-371.	8.9	113
158	Cell Proliferation Activities on Skin Fibroblasts from a Short Child with Absence of One Copy of the Type 1 Insulin-Like Growth Factor Receptor (IGF1R) Gene and a Tall Child with Three Copies of the IGF1R Gene. Journal of Clinical Endocrinology and Metabolism, 2003, 88, 5981-5988.	1.8	111
159	GDF15: A Hormone Conveying Somatic Distress to the Brain. Endocrine Reviews, 2020, 41, .	8.9	109
160	Human obesity as a heritable disorder of the central control of energy balance. International Journal of Obesity, 2008, 32, S55-S61.	1.6	106
161	Novel Leptin-Regulated Genes Revealed by Transcriptional Profiling of the Hypothalamic Paraventricular Nucleus. Journal of Neuroscience, 2008, 28, 12419-12426.	1.7	105
162	Meta-analysis of the Gly482Ser variant in PPARGC1A in type 2 diabetes and related phenotypes. Diabetologia, 2006, 49, 501-505.	2.9	102

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163	A genomic approach to therapeutic target validation identifies a glucose-lowering GLP1R variant protective for coronary heart disease. Science Translational Medicine, 2016, 8, 341ra76.	5.8	100
164	Rosiglitazone Increases Indexes of Stearoyl-CoA Desaturase Activity in Humans: Link to Insulin Sensitization and the Role of Dominant-Negative Mutation in Peroxisome Proliferator-Activated Receptor-Â. Diabetes, 2005, 54, 1379-1384.	0.3	99
165	Obesity therapy: altering the energy intake-and-expenditure balance sheet. Nature Reviews Drug Discovery, 2002, 1, 276-286.	21.5	98
166	Genetic architecture of human thinness compared to severe obesity. PLoS Genetics, 2019, 15, e1007603.	1.5	98
167	Arachidonic Acid Stimulates Glucose Uptake in 3T3-L1 Adipocytes by Increasing GLUT1 and GLUT4 Levels at the Plasma Membrane. Journal of Biological Chemistry, 2001, 276, 9149-9157.	1.6	94
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