Giles See How Yeo

List of Publications by Year
in descending order

132 papers	16,777 citations	20817 60 h-index	15732 125 g-index
145 all docs	145 docs citations	145 times ranked	19309 citing authors

#	Article	IF	Citations
1	The genetics of obesity: from discovery to biology. Nature Reviews Genetics, 2022, 23, 120-133.	16.3	425
2	New molecular techniques for exploring neuronal appetite pathways. Current Opinion in Endocrine and Metabolic Research, 2022, 22, 100309.	1.4	0
3	Human embryonic genome activation initiates at the one-cell stage. Cell Stem Cell, 2022, 29, 209-216.e4.	11.1	71
4	POMC neuronal heterogeneity in energy balance and beyond: an integrated view. Nature Metabolism, 2021, 3, 299-308.	11.9	80
5	Sirt3 in POMC neurons controls energy balance in a sex- and diet-dependent manner. Redox Biology, 2021, 41, 101945.	9.0	9
6	Loss-of-function mutations in the melanocortin 4 receptor in a UK birth cohort. Nature Medicine, 2021, 27, 1088-1096.	30.7	49
7	The melanocortin pathway and energy homeostasis: From discovery to obesity therapy. Molecular Metabolism, 2021, 48, 101206.	6.5	114
8	Activation of the hypothalamicâ€“pituitaryâ€“adrenal axis by exogenous and endogenous GDF15. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	40
9	Finding genes that control body weight. Science, 2021, 373, 30-31.	12.6	4
10	High Coexpression of the Ghrelin and LEAP2 Receptor GHSR With Pancreatic Polypeptide in Mouse and Human Islets. Endocrinology, 2021, 162, .	2.8	14
11	Nutritional regulation of oligodendrocyte differentiation regulates perineuronal net remodeling in the median eminence. Cell Reports, 2021, 36, 109362.	6.4	33
12	Murine neuronatin deficiency is associated with a hypervariable food intake and bimodal obesity. Scientific Reports, 2021, 11, 17571.	3.3	5
13	A survey of the mouse hindbrain in the fed and fasted states using single-nucleus RNA sequencing. Molecular Metabolism, 2021, 53, 101240.	6.5	41
14	Functional heterogeneity of POMC neurons relies on mTORC1 signaling. Cell Reports, 2021, 37, 109800.	6.4	19
15	MC3R links nutritional state to childhood growth and the timing of puberty. Nature, 2021, 599, 436-441.	27.8	59
16	Developmental programming of appetite and growth in male rats increases hypothalamic serotonin (5-HT)5A receptor expression and sensitivity. International Journal of Obesity, 2020, 44, 1946-1957.	3.4	1
17	Neurochemical Characterization of Brainstem Pro-Opiomelanocortin Cells. Endocrinology, 2020, 161, .	2.8	18
18	GDF15 mediates the effects of metformin on body weight and energy balance. Nature, 2020, 578, 444-448.	27.8	326

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19	Glucose in the hypothalamic paraventricular nucleus regulates GLP-1 release. JCI Insight, 2020, 5, .	5.0	5
20	Transcriptional signature of prion-induced neurotoxicity in a Drosophila model of transmissible mammalian prion disease. Biochemical Journal, 2020, 477, 833-852.	3.7	8
21	Glucose-Dependent Insulinotropic Polypeptide Receptor-Expressing Cells in the Hypothalamus Regulate Food Intake. Cell Metabolism, 2019, 30, 987-996.e6.	16.2	171
22	Impaired Autophagy in CD11b ⁺ Dendritic Cells Expands CD4 ⁺ Regulatory T Cells and Limits Atherosclerosis in Mice. Circulation Research, 2019, 125, 1019-1034.	4.5	31
23	MCH Regulates SIRT1/FoxO1 and Reduces POMC Neuronal Activity to Induce Hyperphagia, Adiposity, and Glucose Intolerance. Diabetes, 2019, 68, 2210-2222.	0.6	34
24	Single cell transcriptomic profiling of large intestinal enteroendocrine cells in mice â€“ Identification of selective stimuli for insulin-like peptide-5 and glucagon-like peptide-1 co-expressing cells. Molecular Metabolism, 2019, 29, 158-169.	6.5	77
25	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.	3.6	31
26	p53 in AgRP neurons is required for protection against diet-induced obesity via JNK1. Nature Communications, 2018, 9, 3432.	12.8	41
27	Hypothalamic loss of Snord116 recapitulates the hyperphagia of Prader-Willi syndrome. Journal of Clinical Investigation, 2018, 128, 960-969.	8.2	81
28	Heterogeneity of hypothalamic pro-opiomelanocortin-expressing neurons revealed by single-cell RNA sequencing. Molecular Metabolism, 2017, 6, 383-392.	6.5	128
29	A coding variant inFTOconfers susceptibility to thiopurine-induced leukopenia in East Asian patients with IBD. Gut, 2017, 66, 1926-1935.	12.1	29
30	Marginal zone B cells control the response of follicular helper T cells to a high-cholesterol diet. Nature Medicine, 2017, 23, 601-610.	30.7	114
31	Thyroid Hormone Receptor Beta in the Ventromedial Hypothalamus Is Essential for the Physiological Regulation of Food Intake and Body Weight. Cell Reports, 2017, 19, 2202-2209.	6.4	25
32	Genetics of obesity: can an old dog teach us new tricks?. Diabetologia, 2017, 60, 778-783.	6.3	23
33	Adult-onset hyperinsulinaemic hypoglycaemia in clinical practice: diagnosis, aetiology and management. Endocrine Connections, 2017, 6, 540-548.	1.9	12
34	Obesity-associated gene TMEM18 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.	7.1	57
35	Selective rab11 transport and the intrinsic regenerative ability of CNS axons. ELife, 2017, 6, .	6.0	59
36	GDF15 and energy balance: homing in on a mechanism. Nature Medicine, 2017, 23, 1119-1120.	30.7	13

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37	Transcriptomic profiling of pancreatic alpha, beta and delta cell populations identifies delta cells as a principal target for ghrelin in mouse islets. Diabetologia, 2016, 59, 2156-2165.	6.3	169
38	Chronic Activation of Î³2 AMPK Induces Obesity and Reduces Î² Cell Function. Cell Metabolism, 2016, 23, 821-836.	16.2	87
39	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.	16.2	117
40	Maternal Obesity in Pregnancy Developmentally Programs Adipose Tissue Inflammation in Young, Lean Male Mice Offspring. Endocrinology, 2016, 157, 4246-4256.	2.8	73
41	Transcriptome Pathway Analysis of Pathological and Physiological Aldosterone-Producing Human Tissues. Hypertension, 2016, 68, 1424-1431.	2.7	33
42	5-HT2A and 5-HT2C receptors as hypothalamic targets of developmental programming in male rats. DMM Disease Models and Mechanisms, 2016, 9, 401-12.	2.4	25
43	Trim28 Haploinsufficiency Triggers Bi-stable Epigenetic Obesity. Cell, 2016, 164, 353-364.	28.9	161
44	Ageing is associated with molecular signatures of inflammation and type 2 diabetes in rat pancreatic islets. Diabetologia, 2016, 59, 502-511.	6.3	20
45	TCR usage, gene expression and function of two distinct FOXP3⁺Treg subsets within CD4⁺CD25^{hi} T cells identified by expression of CD39 and CD45RO. Immunology and Cell Biology, 2016, 94, 293-305.	2.3	19
46	High fat diet impairs the function of glucagon-like peptide-1 producing L-cells. Peptides, 2016, 77, 21-27.	2.4	104
47	Impaired prohormone processing: a grand unified theory for features of Prader-Willi syndrome?. Journal of Clinical Investigation, 2016, 127, 98-99.	8.2	10
48	Tachykinin-1 in the Central Nervous System Regulates Adiposity in Rodents. Endocrinology, 2015, 156, 1714-1723.	2.8	17
49	FTO is necessary for the induction of leptin resistance by high-fat feeding. Molecular Metabolism, 2015, 4, 287-298.	6.5	22
50	Low Circulating Levels of IGF-1 in Healthy Adults Are Associated With Reduced Î²-Cell Function, Increased Intramyocellular Lipid, and Enhanced Fat Utilization During Fasting. Journal of Clinical Endocrinology and Metabolism, 2014, 99, 2198-2207.	3.6	39
51	Maternal diet amplifies the hepatic aging trajectory of Cidea in male mice and leads to the development of fatty liver. FASEB Journal, 2014, 28, 2191-2201.	0.5	14
52	Fat mass and obesity-related (FTO) shuttles between the nucleus and cytoplasm. Bioscience Reports, 2014, 34, .	2.4	61
53	DEFLATE Compression Algorithm Corrects for Overestimation of Phylogenetic Diversity by Grantham Approach to Single-Nucleotide Polymorphism Classification. International Journal of Molecular Sciences, 2014, 15, 8491-8508.	4.1	1
54	The Role of the GWAS Identified FTO Locus in Regulating Body Size and Composition. , 2014, , 57-72.		0

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55	The relationship between glial cell mechanosensitivity and foreign body reactions in the central nervous system. Biomaterials, 2014, 35, 3919-3925.	11.4	331
56	Obesity and FTO: Changing Focus at a Complex Locus. Cell Metabolism, 2014, 20, 710-718.	16.2	84
57	The role of the FTO (Fat Mass and Obesity Related) locus in regulating body size and composition. Molecular and Cellular Endocrinology, 2014, 397, 34-41.	3.2	46
58	The bigger picture of FTOâ€"the first GWAS-identified obesity gene. Nature Reviews Endocrinology, 2014, 10, 51-61.	9.6	490
59	Are my genes to blame when my jeans donâ€™t fit?. , 2014, , 12-13.		0
60	Somatic mutations in ATP1A1 and CACNA1D underlie a common subtype of adrenal hypertension. Nature Genetics, 2013, 45, 1055-1060.	21.4	446
61	The biology of FTO: from nucleic acid demethylase to amino acid sensor. Diabetologia, 2013, 56, 2113-2121.	6.3	46
62	PP2Ce: Fat and stressed out?. Molecular Metabolism, 2013, 2, 325-326.	6.5	0
63	The hypothalamus and metabolism: integrating signals to control energy and glucose homeostasis. Current Opinion in Pharmacology, 2013, 13, 970-976.	3.5	62
64	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.	7.1	150
65	Adult Onset Global Loss of the Fto Gene Alters Body Composition and Metabolism in the Mouse. PLoS Genetics, 2013, 9, e1003166.	3.5	129
66	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, 183-187.	3.7	27
67	Unraveling the brain regulation of appetite: lessons from genetics. Nature Neuroscience, 2012, 15, 1343-1349.	14.8	239
68	Overlap of Endocrine Hormone Expression in the Mouse Intestine Revealed by Transcriptional Profiling and Flow Cytometry. Endocrinology, 2012, 153, 3054-3065.	2.8	317
69	Uncovering the biology of FTO. Molecular Metabolism, 2012, 1, 32-36.	6.5	11
70	Endoplasmic Reticulum Thiol Oxidase Deficiency Leads to Ascorbic Acid Depletion and Noncanonical Scurvy in Mice. Molecular Cell, 2012, 48, 39-51.	9.7	103
71	BarraCUDA - a fast short read sequence aligner using graphics processing units. BMC Research Notes, 2012, 5, 27.	1.4	112
72	FTO and Obesity: A Problem for a Billion People. Journal of Neuroendocrinology, 2012, 24, 393-394.	2.6	14

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73	The expression of dynein light chain DYNLL1 (LC8-1) is persistently downregulated in glaucomatous rat retinal ganglion cells. Experimental Eye Research, 2011, 92, 138-146.	2.6	8
74	Where to go with FTO?. Trends in Endocrinology and Metabolism, 2011, 22, 53-59.	7.1	65
75	FTO Biology and Obesity: Why Do a Billion of Us Weigh 3 kg More?. Frontiers in Endocrinology, 2011, 2, 4.	3.5	14
76	From GWAS to biology: lessons from FTO. Annals of the New York Academy of Sciences, 2011, 1220, 162-171.	3.8	81
77	Central leptin and ghrelin signalling: Comparing and contrasting their mechanisms of action in the brain. Reviews in Endocrine and Metabolic Disorders, 2011, 12, 197-209.	5.7	23
78	Transcriptome analysis of embryonic and adult sensory axons reveals changes in mRNA repertoire localization. Rna, 2011, 17, 85-98.	3.5	343
79	Where next for GWAS?. Briefings in Functional Genomics, 2011, 10, 51-51.	2.7	6
80	Diet-induced gene expression of isolated pancreatic islets from a polygenic mouse model of the metabolic syndrome. Diabetologia, 2010, 53, 309-320.	6.3	44
81	Identification of the Global Transcriptomic Response of the Hypothalamic Arcuate Nucleus to Fasting and Leptin. Journal of Neuroendocrinology, 2010, 22, 915-925.	2.6	38
82	Leptin and the Control of Body Weight: A Review of Its Diverse Central Targets, Signaling Mechanisms, and Role in the Pathogenesis of Obesity. Obesity, 2010, 18, 221-229.	3.0	125
83	Central melanocortin signaling regulates cholesterol. Nature Neuroscience, 2010, 13, 779-780.	14.8	3
84	Prevalence of Loss-of-Function FTO Mutations in Lean and Obese Individuals. Diabetes, 2010, 59, 311-318.	0.6	93
85	Subcellular Profiling Reveals Distinct and Developmentally Regulated Repertoire of Growth Cone mRNAs. Journal of Neuroscience, 2010, 30, 15464-15478.	3.6	299
86	Hypothalamic-Specific Manipulation of Fto, the Ortholog of the Human Obesity Gene FTO, Affects Food Intake in Rats. PLoS ONE, 2010, 5, e8771.	2.5	151
87	Central leptin signalling: Beyond the arcuate nucleus. Autonomic Neuroscience: Basic and Clinical, 2010, 156, 8-14.	2.8	13
88	Maternal protein restriction affects gene expression profiles in the kidney at weaning with implications for the regulation of renal function and lifespan. Clinical Science, 2010, 119, 373-387.	4.3	24
89	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.	2.9	253
90	Functional Characterization and Structural Modeling of Obesity Associated Mutations in the Melanocortin 4 Receptor. Endocrinology, 2009, 150, 114-125.	2.8	75

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91	A truncation mutation in TBC1D4 in a family with acanthosis nigricans and postprandial hyperinsulinemia. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 9350-9355.	7.1	88
92	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.	6.2	340
93	SnapShot: The Hormonal Control of Food Intake. Cell, 2008, 135, 572.e1-572.e2.	28.9	15
94	Serotonin 5-HT2C Receptor Agonist Promotes Hypophagia via Downstream Activation of Melanocortin 4 Receptors. Endocrinology, 2008, 149, 1323-1328.	2.8	237
95	Novel Leptin-Regulated Genes Revealed by Transcriptional Profiling of the Hypothalamic Paraventricular Nucleus. Journal of Neuroscience, 2008, 28, 12419-12426.	3.6	105
96	PPAR gamma 2 Prevents Lipotoxicity by Controlling Adipose Tissue Expandability and Peripheral Lipid Metabolism. PLoS Genetics, 2007, 3, e64.	3.5	346
97	The Obesity-AssociatedFTOGene Encodes a 2-Oxoglutarate-Dependent Nucleic Acid Demethylase. Science, 2007, 318, 1469-1472.	12.6	1,305
98	Serotonin Activates the Hypothalamic-Pituitary-Adrenal Axis via Serotonin 2C Receptor Stimulation. Journal of Neuroscience, 2007, 27, 6956-6964.	3.6	243
99	A POMC variant implicates Î²-melanocyte-stimulating hormone in the control of human energy balance. Cell Metabolism, 2006, 3, 135-140.	16.2	207
100	Leptin Deficiency Unmasks the Deleterious Effects of Impaired Peroxisome Proliferator-Activated Receptor Â Function (P465L PPARÂ) in Mice. Diabetes, 2006, 55, 2669-2677.	0.6	80
101	Selection of cervical keratinocytes containing integrated HPV16 associates with episome loss and an endogenous antiviral response. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 3822-3827.	7.1	134
102	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.	0.6	421
103	Melanocortin receptors and energy homeostasis. Current Opinion in Endocrinology, Diabetes and Obesity, 2005, 12, 205-210.	0.6	2
104	Proopiomelanocortin-Deficient Mice Are Hypersensitive to the Adverse Metabolic Effects of Glucocorticoids. Diabetes, 2005, 54, 2269-2276.	0.6	63
105	Transcript and metabolite analysis of the effects of tamoxifen in rat liver reveals inhibition of fatty acid synthesis in the presence of hepatic steatosis. FASEB Journal, 2005, 19, 1108-1119.	0.5	87
106	The Effects of Proopiomelanocortin Deficiency on Murine Adrenal Development and Responsiveness to Adrenocorticotropin. Endocrinology, 2004, 145, 4721-4727.	2.8	80
107	Genetic Variants in Human Sterol Regulatory Element Binding Protein-1c in Syndromes of Severe Insulin Resistance and Type 2 Diabetes. Diabetes, 2004, 53, 842-846.	0.6	55
108	Studies of the Peptide YY and Neuropeptide Y2 Receptor Genes in Relation to Human Obesity and Obesity-Related Traits. Diabetes, 2004, 53, 2461-2466.	0.6	40

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109	Proopiomelanocortin and Energy Balance: Insights from Human and Murine Genetics. Journal of Clinical Endocrinology and Metabolism, 2004, 89, 2557-2562.	3.6	197
110	Melanocortin receptors weigh in. Nature Medicine, 2004, 10, 351-352.	30.7	35
111	A de novo mutation affecting human TrkB associated with severe obesity and developmental delay. Nature Neuroscience, 2004, 7, 1187-1189.	14.8	499
112	Functional responses of human ??1 adrenoceptors with defined haplotypes for the common 389R>G and 49S>G polymorphisms. Pharmacogenetics and Genomics, 2004, 14, 343-349.	5.7	43
113	Clinical Spectrum of Obesity and Mutations in the Melanocortin 4 Receptor Gene. New England Journal of Medicine, 2003, 348, 1085-1095.	27.0	1,475
114	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.	2.9	201
115	Contribution of Variants in the Small Heterodimer Partner Gene to Birthweight, Adiposity, and Insulin Levels: Mutational Analysis and Association Studies in Multiple Populations. Diabetes, 2003, 52, 1288-1291.	0.6	61
116	Deletion of Codons 88â€“92 of the Melanocortin-4 Receptor Gene: A Novel Deleterious Mutation in an Obese Female. Journal of Clinical Endocrinology and Metabolism, 2003, 88, 5841-5845.	3.6	41
117	Minireview: Human Obesityâ€”Lessons from Monogenic Disorders. Endocrinology, 2003, 144, 3757-3764.	2.8	194
118	Characterization of the human, mouse and rat PGC1beta (peroxisome-proliferator-activated) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382 T	3.7	185
119	Attractin' more attention â€“ new pieces in the obesity puzzle?. Biochemical Journal, 2003, 376, e7-e8.	3.7	8
120	Microarray Analysis of Insulin and Insulin-like Growth Factor-1 (IGF-1) Receptor Signaling Reveals the Selective Up-regulation of the Mitogen Heparin-binding EGF-like Growth Factor by IGF-1. Journal of Biological Chemistry, 2002, 277, 42480-42487.	3.4	59
121	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.	2.9	249
122	Past, present and future strategies to study the genetics of body weight regulation. Briefings in Functional Genomics & Proteomics, 2002, 1, 290-304.	3.8	15
123	Obesity therapy: altering the energy intake-and-expenditure balance sheet. Nature Reviews Drug Discovery, 2002, 1, 276-286.	46.4	98
124	Identification of Chlamydia trachomatis antigens recognized by human CD4+ T lymphocytes by screening an expression library. European Journal of Immunology, 2001, 31, 1513-1522.	2.9	55
125	Identification of Chlamydia trachomatis antigens recognized by human CD4+ T lymphocytes by screening an expression library. , 2001, 31, 1513.		1
126	The CART gene and human obesity: mutational analysis and population genetics. Diabetes, 2000, 49, 872-875.	0.6	54

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127	The role of melanocortin signalling in the control of body weight: evidence from human and murine genetic models. QJM - Monthly Journal of the Association of Physicians, 2000, 93, 7-14.	0.5	102
128	Dominant and recessive inheritance of morbid obesity associated with melanocortin 4 receptor deficiency. Journal of Clinical Investigation, 2000, 106, 271-279.	8.2	696
129	Generation and Analysis of 25 Mb of Genomic DNA from the Pufferfish Fugu rubripes by Sequence Scanning. Genome Research, 1999, 9, 960-971.	5.5	81
130	A frameshift mutation in MC4R associated with dominantly inherited human obesity. Nature Genetics, 1998, 20, 111-112.	21.4	1,026
131	Cloning and sequencing of complement component C9 and its linkage to DOC-2 in the pufferfish Fugu rubripes. Gene, 1997, 200, 203-211.	2.2	44
132	Is calorie labelling on menus the solution to obesity?. Nature Reviews Endocrinology, 0, , .	9.6	4