Rudolph L Leibel

List of Publications by Year
in descending order

77 papers	8,253 citations	109321 35 h-index	71685 76 g-index
80 all docs	80 docs citations	80 times ranked	10468 citing authors

#	Article	IF	Citations
1	The postnatal leptin surge in mice is variable in both time and intensity and reflects nutritional status. International Journal of Obesity, 2022, 46, 39-49.	3.4	16
2	OUP accepted manuscript. American Journal of Clinical Nutrition, 2022, 115, 591-592.	4.7	2
3	Variant-to-Gene-Mapping Analyses Reveal a Role for the Hypothalamus in Genetic Susceptibility to Inflammatory Bowel Disease. Cellular and Molecular Gastroenterology and Hepatology, 2021, 11, 667-682.	4.5	15
4	Frequency and characterization of mutations in genes in a large cohort of patients referred to MODY registry. Journal of Pediatric Endocrinology and Metabolism, 2021, 34, 633-638.	0.9	9
5	SNORD116 and growth hormone therapy impact IGFBP7 in Praderâ€“Willi syndrome. Genetics in Medicine, 2021, 23, 1664-1672.	2.4	7
6	Word selection and weight bias. Obesity, 2021, 29, 1238-1238.	3.0	1
7	Biological constraints on GWAS SNPs at suggestive significance thresholds reveal additional BMI loci. ELife, 2021, 10, .	6.0	27
8	Cis-regulatory architecture of human ESC-derived hypothalamic neuron differentiation aids in variant-to-gene mapping of relevant complex traits. Nature Communications, 2021, 12, 6749.	12.8	11
9	Physiological consequences of transient hyperleptinemia during discrete developmental periods on body weight in mice. Science Translational Medicine, 2020, 12, .	12.4	14
10	Genetic Studies of Leptin Concentrations Implicate Leptin in the Regulation of Early Adiposity. Diabetes, 2020, 69, 2806-2818.	0.6	26
11	Retinol-binding protein 2 (RBP2) binds monoacylglycerols and modulates gut endocrine signaling and body weight. Science Advances, 2020, 6, eaay8937.	10.3	17
12	Ketogenic Diets Alter the Gut Microbiome Resulting in Decreased Intestinal Th17 Cells. Cell, 2020, 181, 1263-1275.e16.	28.9	292
13	Loss of MAGEL2 in Prader-Willi syndrome leads to decreased secretory granule and neuropeptide production. JCI Insight, 2020, 5, .	5.0	40
14	Auto-Regulation of Leptin Neurobiology. Cell Metabolism, 2019, 30, 614-616.	16.2	8
15	Functional genomic characterization of the FTO locus in African Americans. Physiological Genomics, 2019, 51, 517-528.	2.3	4
16	The FTO Gene and Measured Food Intake in 5â€•to 10â€Yearâ€Old Children Without Obesity. Obesity, 2019, 27, 1023-1029.	3.0	39
17	Glucose and Lipid Homeostasis and Inflammation in Humans Following an Isocaloric Ketogenic Diet. Obesity, 2019, 27, 971-981.	3.0	75
18	Transgenic substitution with Greater Amberjack Seriola dumerili fish insulin 2 in NOD mice reduces beta cell immunogenicity. Scientific Reports, 2019, 9, 4965.	3.3	0

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19	A role for foregut tyrosine metabolism in glucose tolerance. Molecular Metabolism, 2019, 23, 37-50.	6.5	29
20	Ciliary gene RPGRIP1L is required for hypothalamic arcuate neuron development. JCI Insight, 2019, 4, .	5.0	34
21	FTO genotype impacts food intake and corticolimbic activation. American Journal of Clinical Nutrition, 2018, 107, 145-154.	4.7	60
22	Pathophysiology of drug induced weight and metabolic effects: findings from an RCT in healthy volunteers treated with olanzapine, iloperidone, or placebo. Journal of Psychopharmacology, 2018, 32, 533-540.	4.0	19
23	Î²-Cell Replacement in Mice Using Human Type 1 Diabetes Nuclear Transfer Embryonic Stem Cells. Diabetes, 2018, 67, 26-35.	0.6	74
24	Resistance Training Reduces Skeletal Muscle Work Efficiency in Weightâ€Reduced and Nonâ€“Weightâ€Reduced Subjects. Obesity, 2018, 26, 1576-1583.	3.0	13
25	Pancreatic Beta Cell Differentiation From Human Pluripotent Stem Cells. Current Protocols in Human Genetics, 2018, 99, e68.	3.5	23
26	DMSO increases efficiency of genome editing at two non-coding loci. PLoS ONE, 2018, 13, e0198637.	2.5	12
27	FTO mediates cell-autonomous effects on adipogenesis and adipocyte lipid content by regulating gene expression via 6mA DNA modifications. Journal of Lipid Research, 2018, 59, 1446-1460.	4.2	21
28	The role of Rpgrip1l, a component of the primary cilium, in adipocyte development and function. FASEB Journal, 2018, 32, 3946-3956.	0.5	13
29	Triiodothyronine and leptin repletion in humans similarly reverse weight-loss-induced changes in skeletal muscle. American Journal of Physiology - Endocrinology and Metabolism, 2018, 315, E771-E779.	3.5	29
30	ILDR2 has a negligible role in hepatic steatosis. PLoS ONE, 2018, 13, e0197548.	2.5	0
31	MC4R-dependent suppression of appetite by bone-derived lipocalin 2. Nature, 2017, 543, 385-390.	27.8	299
32	PC1/3 Deficiency Impacts Pro-opiomelanocortin Processing in Human Embryonic Stem Cell-Derived Hypothalamic Neurons. Stem Cell Reports, 2017, 8, 264-277.	4.8	22
33	The subgingival microbiome, systemic inflammation and insulin resistance: The Oral Infections, Glucose Intolerance and Insulin Resistance Study. Journal of Clinical Periodontology, 2017, 44, 255-265.	4.9	84
34	Obesity Pathogenesis: An Endocrine Society Scientific Statement. Endocrine Reviews, 2017, 38, 267-296.	20.1	437
35	Loss of the imprinted, non-coding Snord116 gene cluster in the interval deleted in the Prader Willi syndrome results in murine neuronal and endocrine pancreatic developmental phenotypes. Human Molecular Genetics, 2017, 26, 4606-4616.	2.9	27
36	Weight Perturbation Alters Leptin Signal Transduction in a Region-Specific Manner throughout the Brain. PLoS ONE, 2017, 12, e0168226.	2.5	6

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37	Energy homeostasis in leptin deficient Lepob/ob mice. PLoS ONE, 2017, 12, e0189784.	2.5	13
38	ZNF70, a novel ILDR2-interacting protein, contributes to the regulation of HES1 gene expression. Biochemical and Biophysical Research Communications, 2016, 477, 712-716.	2.1	12
39	Models of energy homeostasis in response to maintenance of reduced body weight. Obesity, 2016, 24, 1620-1629.	3.0	73
40	Induced pluripotent stem cells (iPSC) created from skin fibroblasts of patients with Prader-Willi syndrome (PWS) retain the molecular signature of PWS. Stem Cell Research, 2016, 17, 526-530.	0.7	28
41	Genome-wide meta-analysis uncovers novel loci influencing circulating leptin levels. Nature Communications, 2016, 7, 10494.	12.8	153
42	Cross-sectional and Test-Retest Characterization of PET with [18F]FP-(+)-DTBZ for Î² Cell Mass Estimates in Diabetes. Molecular Imaging and Biology, 2016, 18, 292-301.	2.6	26
43	Hypomorphism of Fto and Rpgrip1l causes obesity in mice. Journal of Clinical Investigation, 2016, 126, 1897-1910.	8.2	80
44	Deficiency in prohormone convertase PC1 impairs prohormone processing in Prader-Willi syndrome. Journal of Clinical Investigation, 2016, 127, 293-305.	8.2	120
45	Retinoic acid receptor signaling is required to maintain glucoseâ€stimulated insulin secretion and Î²â€cell mass. FASEB Journal, 2015, 29, 671-683.	0.5	52
46	The gut microbiota in human energy homeostasis and obesity. Trends in Endocrinology and Metabolism, 2015, 26, 493-501.	7.1	350
47	Biologic Responses to Weight Loss and Weight Regain: Report From an American Diabetes Association Research Symposium. Diabetes, 2015, 64, 2299-2309.	0.6	41
48	Proopiomelanocortin, agouti-related protein, and leptin in human cerebrospinal fluid: correlations with body weight and adiposity. American Journal of Physiology - Endocrinology and Metabolism, 2015, 309, E458-E465.	3.5	26
49	Effects of a novel MC4R agonist on maintenance of reduced body weight in dietâ€induced obese mice. Obesity, 2014, 22, 1287-1295.	3.0	15
50	Human oocytes reprogram adult somatic nuclei of a type 1 diabetic to diploid pluripotent stem cells. Nature, 2014, 510, 533-536.	27.8	189
51	Molecular pathophysiology of metabolic effects of antipsychotic medications. Trends in Endocrinology and Metabolism, 2014, 25, 593-600.	7.1	95
52	20 YEARS OF LEPTIN: Role of leptin in energy homeostasis in humans. Journal of Endocrinology, 2014, 223, T83-T96.	2.6	199
53	The threshold shift paradigm of obesity: evidence from surgically induced weight loss. American Journal of Clinical Nutrition, 2014, 100, 996-1002.	4.7	27
54	A Missing Link in Body Weight Homeostasis: The Catabolic Signal of the Overfed State. Cell Metabolism, 2014, 20, 565-572.	16.2	87

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55	FOXO1 inhibition yields functional insulin-producing cells in human gut organoid cultures. Nature Communications, 2014, 5, 4242.	12.8	99
56	Hypomorphism for RPGRIP1L, a Ciliary Gene Vicinal to the FTO Locus, Causes Increased Adiposity in Mice. Cell Metabolism, 2014, 19, 767-779.	16.2	145
57	Leptin reverses declines in satiation in weight-reduced obese humans. American Journal of Clinical Nutrition, 2012, 95, 309-317.	4.7	103
58	Respective Contributions of Maternal Insulin Resistance and Diet to Metabolic and Hypothalamic Phenotypes of Progeny. Obesity, 2011, 19, 492-499.	3.0	34
59	Cut-like Homeobox 1 (CUX1) Regulates Expression of the Fat Mass and Obesity-associated and Retinitis Pigmentosa GTPase Regulator-interacting Protein-1-like (RPGRIP1L) Genes and Coordinates Leptin Receptor Signaling. Journal of Biological Chemistry, 2011, 286, 2155-2170.	3.4	129
60	Effects of weight loss and leptin on skeletal muscle in human subjects. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2011, 301, R1259-R1266.	1.8	42
61	Regulation ofFto/Ftmgene expression in mice and humans. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2008, 294, R1185-R1196.	1.8	270
62	Long-term persistence of adaptive thermogenesis in subjects who have maintained a reduced body weight. American Journal of Clinical Nutrition, 2008, 88, 906-912.	4.7	360
63	Leptin reverses weight lossâ€“induced changes in regional neural activity responses to visual food stimuli. Journal of Clinical Investigation, 2008, 118, 2583-91.	8.2	325
64	The molecular genetics of the melanocortin pathway and energy homeostasis. Cell Metabolism, 2006, 3, 79-81.	16.2	7
65	Low-dose leptin reverses skeletal muscle, autonomic, and neuroendocrine adaptations to maintenance of reduced weight. Journal of Clinical Investigation, 2005, 115, 3579-3586.	8.2	486
66	Effects of experimental weight perturbation on skeletal muscle work efficiency in human subjects. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2003, 285, R183-R192.	1.8	197
67	The Role of Leptin in the Control of Body Weight. Nutrition Reviews, 2002, 60, S15-S19.	5.8	151
68	Reply to R Weinsier et al. American Journal of Clinical Nutrition, 2001, 73, 657-658.	4.7	5
69	Effects of changes in body weight on carbohydrate metabolism, catecholamine excretion, and thyroid function. American Journal of Clinical Nutrition, 2000, 71, 1421-1432.	4.7	237
70	Effects of Leptin Receptor Mutation onAgrpGene Expression in Fed and Fasted Lean and Obese (LA/N-faf) Rats1. Endocrinology, 2000, 141, 2465-2471.	2.8	33
71	Autosomal Dominant Growth Hormone (GH) Deficiency Type II: The Del32-71-GH Deletion Mutant Suppresses Secretion of Wild-Type GH. Endocrinology, 2000, 141, 883-890.	2.8	21
72	Effects of Leptin Receptor Mutation on Agrp Gene Expression in Fed and Fasted Lean and Obese (LA/N-faf) Rats. Endocrinology, 2000, 141, 2465-2471.	2.8	13

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73	Effects of Exogenous Gonadal Steroids on Leptin Homeostasis in Rats. Obesity, 1999, 7, 586-592.	4.0	38
74	Partial duplication in the Lepr db-Pas mutation is a result of unequal crossing over. Mammalian Genome, 1998, 9, 780-781.	2.2	3
75	The Physiology of Body Weight Regulation: Relevance to the Etiology of Obesity in Children. Pediatrics, 1998, 101, 525-539.	2.1	135
76	Effects of Weight Change on Plasma Leptin Concentrations and Energy Expenditure1. Journal of Clinical Endocrinology and Metabolism, 1997, 82, 3647-3654.	3.6	223
77	Changes in Energy Expenditure Resulting from Altered Body Weight. New England Journal of Medicine, 1995, 332, 621-628.	27.0	1,771