

# Jeffrey M Friedman

## List of Publications by Citations

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71  
papers

24,571  
citations

39  
h-index

80  
g-index

80  
ext. papers

26,796  
ext. citations

23.2  
avg, IF

6.9  
L-index

#	Paper	IF	Citations
71	Positional cloning of the mouse obese gene and its human homologue. <i>Nature</i> , <b>1994</b> , 372, 425-32	50.4	10734
70	Leptin and the regulation of body weight in mammals. <i>Nature</i> , <b>1998</b> , 395, 763-70	50.4	4178
69	Leptin activation of Stat3 in the hypothalamus of wild-type and ob/ob mice but not db/db mice. <i>Nature Genetics</i> , <b>1996</b> , 14, 95-7	36.3	903
68	Rapid rewiring of arcuate nucleus feeding circuits by leptin. <i>Science</i> , <b>2004</b> , 304, 110-5	33.3	784
67	Rapid regulation of depression-related behaviours by control of midbrain dopamine neurons. <i>Nature</i> , <b>2013</b> , 493, 532-6	50.4	731
66	Identification of white adipocyte progenitor cells in vivo. <i>Cell</i> , <b>2008</b> , 135, 240-9	56.2	707
65	Acute stimulation of glucose metabolism in mice by leptin treatment. <i>Nature</i> , <b>1997</b> , 389, 374-7	50.4	611
64	Selective deletion of leptin receptor in neurons leads to obesity. <i>Journal of Clinical Investigation</i> , <b>2001</b> , 108, 1113-1121	15.9	434
63	Leptin targets in the mouse brain. <i>Journal of Comparative Neurology</i> , <b>2009</b> , 514, 518-32	3.4	357
62	Radio-wave heating of iron oxide nanoparticles can regulate plasma glucose in mice. <i>Science</i> , <b>2012</b> , 336, 604-8	33.3	354
61	Modern science versus the stigma of obesity. <i>Nature Medicine</i> , <b>2004</b> , 10, 563-9	50.5	327
60	Transgenic mice expressing green fluorescent protein under the control of the melanocortin-4 receptor promoter. <i>Journal of Neuroscience</i> , <b>2003</b> , 23, 7143-54	6.6	315
59	Virus-assisted mapping of neural inputs to a feeding center in the hypothalamus. <i>Science</i> , <b>2001</b> , 291, 2608-13	33.3	305
58	A war on obesity, not the obese. <i>Science</i> , <b>2003</b> , 299, 856-8	33.3	294
57	Sympathetic neuro-adipose connections mediate leptin-driven lipolysis. <i>Cell</i> , <b>2015</b> , 163, 84-94	56.2	243
56	Relatively low plasma leptin concentrations precede weight gain in Pima Indians. <i>Nature Medicine</i> , <b>1997</b> , 3, 238-40	50.5	216
55	Leptin at 14 y of age: an ongoing story. <i>American Journal of Clinical Nutrition</i> , <b>2009</b> , 89, 973S-979S	7	211

54	Antidiabetic effects of IGFBP2, a leptin-regulated gene. <i>Cell Metabolism</i> , <b>2010</b> , 11, 11-22	24.6	203
53	Molecular profiling of activated neurons by phosphorylated ribosome capture. <i>Cell</i> , <b>2012</b> , 151, 1126-37	56.2	197
52	Hyperleptinemia is required for the development of leptin resistance. <i>PLoS ONE</i> , <b>2010</b> , 5, e11376	3.7	197
51	Bidirectional electromagnetic control of the hypothalamus regulates feeding and metabolism. <i>Nature</i> , <b>2016</b> , 531, 647-50	50.4	159
50	Stress and CRF gate neural activation of BDNF in the mesolimbic reward pathway. <i>Nature Neuroscience</i> , <b>2014</b> , 17, 27-9	25.5	151
49	Site and mechanism of leptin action in a rodent form of congenital lipodystrophy. <i>Journal of Clinical Investigation</i> , <b>2004</b> , 113, 414-424	15.9	146
48	Remote regulation of glucose homeostasis in mice using genetically encoded nanoparticles. <i>Nature Medicine</i> , <b>2015</b> , 21, 92-98	50.5	143
47	Leptin and the endocrine control of energy balance. <i>Nature Metabolism</i> , <b>2019</b> , 1, 754-764	14.6	109
46	Molecular profiling of neurons based on connectivity. <i>Cell</i> , <b>2014</b> , 157, 1230-42	56.2	107
45	Hypothalamic melanin concentrating hormone neurons communicate the nutrient value of sugar. <i>ELife</i> , <b>2013</b> , 2, e01462	8.9	93
44	Leptin and the regulation of body weigh. <i>Keio Journal of Medicine</i> , <b>2011</b> , 60, 1-9	1.6	84
43	Human leptin characterization. <i>Nature</i> , <b>1996</b> , 382, 589	50.4	72
42	Identification of a Brainstem Circuit Controlling Feeding. <i>Cell</i> , <b>2017</b> , 170, 429-442.e11	56.2	68
41	The molecular basis of the obese mutation in ob2J mice. <i>Genomics</i> , <b>1997</b> , 42, 152-6	4.3	61
40	20 years of leptin: from the discovery of the leptin gene to leptin in our therapeutic armamentarium. <i>Metabolism: Clinical and Experimental</i> , <b>2015</b> , 64, 1-4	12.7	56
39	Absence of soluble leptin receptor in plasma from dbPas/dbPas and other db/db mice. <i>Journal of Biological Chemistry</i> , <b>1998</b> , 273, 10078-82	5.4	53
38	A critical role for mTORC1 in erythropoiesis and anemia. <i>ELife</i> , <b>2014</b> , 3, e01913	8.9	50
37	Dysregulation of a long noncoding RNA reduces leptin leading to a leptin-responsive form of obesity. <i>Nature Medicine</i> , <b>2019</b> , 25, 507-516	50.5	49

36	PET imaging of leptin biodistribution and metabolism in rodents and primates. <i>Cell Metabolism</i> , <b>2009</b> , 10, 148-59	24.6	48
35	A tale of two hormones. <i>Nature Medicine</i> , <b>2010</b> , 16, 1100-6	50.5	42
34	Rapid Molecular Profiling of Defined Cell Types Using Viral TRAP. <i>Cell Reports</i> , <b>2017</b> , 19, 655-667	10.6	39
33	Molecular characterization of neuronal cell types based on patterns of projection with Retro-TRAP. <i>Nature Protocols</i> , <b>2015</b> , 10, 1319-27	18.8	34
32	Gene Expression Profiling with Cre-Conditional Pseudorabies Virus Reveals a Subset of Midbrain Neurons That Participate in Reward Circuitry. <i>Journal of Neuroscience</i> , <b>2017</b> , 37, 4128-4144	6.6	31
31	Cellular program controlling the recovery of adipose tissue mass: An in vivo imaging approach. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 12985-90	11.5	31
30	Regulation of Energy Expenditure by Brainstem GABA Neurons. <i>Cell</i> , <b>2019</b> , 178, 672-685.e12	56.2	29
29	β and β-Adrenergic Receptor-Mediated Mesolimbic Homeostatic Plasticity Confers Resilience to Social Stress in Susceptible Mice. <i>Biological Psychiatry</i> , <b>2019</b> , 85, 226-236	7.9	29
28	A Role of Drd2 Hippocampal Neurons in Context-Dependent Food Intake. <i>Neuron</i> , <b>2019</b> , 102, 873-886.e513.9	13.9	27
27	A noncanonical PPAR $\alpha$ /RXR $\beta$ binding sequence regulates leptin expression in response to changes in adipose tissue mass. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, E6039-E6047	11.5	24
26	Nuclear Factor-Y is an adipogenic factor that regulates leptin gene expression. <i>Molecular Metabolism</i> , <b>2015</b> , 4, 392-405	8.8	23
25	Molecular annotation of integrative feeding neural circuits. <i>Cell Metabolism</i> , <b>2011</b> , 13, 222-32	24.6	19
24	Mouse chromosome 4. <i>Mammalian Genome</i> , <b>1992</b> , 3 Spec No, S55-64	3.2	19
23	Molecular profiling of reticular gigantocellularis neurons indicates that eNOS modulates environmentally dependent levels of arousal. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, E6900-E6909	11.5	18
22	Functional analysis reveals differential effects of glutamate and MCH neuropeptide in MCH neurons. <i>Molecular Metabolism</i> , <b>2018</b> , 13, 83-89	8.8	16
21	The reward value of sucrose in leptin-deficient obese mice. <i>Molecular Metabolism</i> , <b>2014</b> , 3, 73-80	8.8	14
20	Strategies for the molecular genetic analysis of obesity in humans. <i>Critical Reviews in Food Science and Nutrition</i> , <b>1993</b> , 33, 351-8	11.5	12
19	Reanalysis of parabiosis of obesity mutants in the age of leptin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, E3874-82	11.5	10

18	Control of non-homeostatic feeding in sated mice using associative learning of contextual food cues. <i>Molecular Psychiatry</i> , <b>2020</b> , 25, 666-679	15.1	10
17	Plasmonic activation of gold nanorods for remote stimulation of calcium signaling and protein expression in HEK 293T cells. <i>Biotechnology and Bioengineering</i> , <b>2016</b> , 113, 2228-40	4.9	9
16	Molecular and cellular characterization of nicotinic acetylcholine receptor subtypes in the arcuate nucleus of the mouse hypothalamus. <i>European Journal of Neuroscience</i> , <b>2018</b> , 48, 1600	3.5	9
15	A limbic circuit selectively links active escape to food suppression. <i>ELife</i> , <b>2020</b> , 9,	8.9	8
14	Electromagnetic Regulation of Cell Activity. <i>Cold Spring Harbor Perspectives in Medicine</i> , <b>2019</b> , 9,	5.4	8
13	A General Method for Insertion of Functional Proteins within Proteins via Combinatorial Selection of Permissive Junctions. <i>Chemistry and Biology</i> , <b>2015</b> , 22, 1134-43		7
12	Uncovering a possible role of reactive oxygen species in magnetogenetics. <i>Scientific Reports</i> , <b>2020</b> , 10, 13096	4.9	7
11	Gut-to-brain signals in feeding control. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2021</b> , 320, E326-E332	6	7
10	Selection of a Full Agonist Combinatorial Antibody that Rescues Leptin Deficiency In Vivo. <i>Advanced Science</i> , <b>2020</b> , 7, 2000818	13.6	3
9	Top-down control of conditioned overconsumption is mediated by insular cortex Nos1 neurons. <i>Cell Metabolism</i> , <b>2021</b> , 33, 1418-1432.e6	24.6	3
8	The genetic structure of the Turkish population reveals high levels of variation and admixture. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	3
7	Author response: Hypothalamic melanin concentrating hormone neurons communicate the nutrient value of sugar <b>2013</b> ,		2
6	Limitation of adipose tissue by the number of embryonic progenitor cells. <i>ELife</i> , <b>2020</b> , 9,	8.9	2
5	Higher-Order Inputs Involved in Appetite Control. <i>Biological Psychiatry</i> , <b>2021</b> ,	7.9	2
4	Critical roles of transcriptional coactivator MED1 in the formation and function of mouse adipose tissues. <i>Genes and Development</i> , <b>2021</b> , 35, 729-748	12.6	1
3	Functional analysis of distinct populations of subthalamic nucleus neurons on Parkinson's disease and OCD-like behaviors in mice. <i>Molecular Psychiatry</i> , <b>2021</b> ,	15.1	1
2	How the discovery of microbial opsins led to the development of optogenetics. <i>Cell</i> , <b>2021</b> , 184, 5266-5276	36.2	0
1	Roles and regulations of dopaminergic pathways in repeated stress-induced emotional changes. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , <b>2018</b> , WCP2018, SY72-4	0	

