# Jeffrey M Friedman

## List of Publications by Year in Descending Order



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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 | Critical roles of transcriptional coactivator MED1 in the formation and function of mouse adipose tissues. *Genes and Development*, **2021**, 35, 729-748 | 12.6 | 1 |
| 70 | Functional analysis of distinct populations of subthalamic nucleus neurons on Parkinsonian disease and OCD-like behaviors in mice. *Molecular Psychiatry*, **2021**, | 15.1 | 1 |
| 69 | Gut-to-brain signals in feeding control. *American Journal of Physiology - Endocrinology and Metabolism*, **2021**, 320, E326-E332 | 6 | 7 |
| 68 | Higher-Order Inputs Involved in Appetite Control. *Biological Psychiatry*, **2021**, | 7.9 | 2 |
| 67 | Top-down control of conditioned overconsumption is mediated by insular cortex Nos1 neurons. *Cell Metabolism*, **2021**, 33, 1418-1432.e6 | 24.6 | 3 |
| 66 | The genetic structure of the Turkish population reveals high levels of variation and admixture. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118, | 11.5 | 3 |
| 65 | How the discovery of microbial opsins led to the development of optogenetics. *Cell*, **2021**, 184, 5266-5276 | 56.2 | 0 |
| 64 | Selection of a Full Agonist Combinatorial Antibody that Rescues Leptin Deficiency In Vivo. *Advanced Science*, **2020**, 7, 2000818 | 13.6 | 3 |
| 63 | Limitation of adipose tissue by the number of embryonic progenitor cells. *ELife*, **2020**, 9, | 8.9 | 2 |
| 62 | A limbic circuit selectively links active escape to food suppression. *ELife*, **2020**, 9, | 8.9 | 8 |
| 61 | Uncovering a possible role of reactive oxygen species in magnetogenetics. *Scientific Reports*, **2020**, 10, 13096 | 4.9 | 7 |
| 60 | Control of non-homeostatic feeding in sated mice using associative learning of contextual food cues. *Molecular Psychiatry*, **2020**, 25, 666-679 | 15.1 | 10 |
| 59 | Dysregulation of a long noncoding RNA reduces leptin leading to a leptin-responsive form of obesity. *Nature Medicine*, **2019**, 25, 507-516 | 50.5 | 49 |
| 58 | A Role of Drd2 Hippocampal Neurons in Context-Dependent Food Intake. *Neuron*, **2019**, 102, 873-886.e5 | 13.9 | 27 |
| 57 | Leptin and the endocrine control of energy balance. *Nature Metabolism*, **2019**, 1, 754-764 | 14.6 | 109 |
| 56 | Regulation of Energy Expenditure by Brainstem GABA Neurons. *Cell*, **2019**, 178, 672-685.e12 | 56.2 | 29 |
| 55 | and Adrenergic Receptor-Mediated Mesolimbic Homeostatic Plasticity Confers Resilience to Social Stress in Susceptible Mice. *Biological Psychiatry*, **2019**, 85, 226-236 | 7.9 | 29 |

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| 54 | Electromagnetic Regulation of Cell Activity. *Cold Spring Harbor Perspectives in Medicine*, **2019**, 9, | 5.4 | 8 |
| 53 | A noncanonical PPAR/RXR binding sequence regulates leptin expression in response to changes in adipose tissue mass. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, E6039-E6047 | 11.5 | 24 |
| 52 | Functional analysis reveals differential effects of glutamate and MCH neuropeptide in MCH neurons. *Molecular Metabolism*, **2018**, 13, 83-89 | 8.8 | 16 |
| 51 | Roles and regulations of dopaminergic pathways in repeated stress-induced emotional changes. *Proceedings for Annual Meeting of the Japanese Pharmacological Society*, **2018**, WCP2018, SY72-4 | 0 | |
| 50 | Molecular and cellular characterization of nicotinic acetylcholine receptor subtypes in the arcuate nucleus of the mouse hypothalamus. *European Journal of Neuroscience*, **2018**, 48, 1600 | 3.5 | 9 |
| 49 | Molecular profiling of reticular gigantocellularis neurons indicates that eNOS modulates environmentally dependent levels of arousal. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, E6900-E6909 | 11.5 | 18 |
| 48 | Rapid Molecular Profiling of Defined Cell Types Using Viral TRAP. *Cell Reports*, **2017**, 19, 655-667 | 10.6 | 39 |
| 47 | Gene Expression Profiling with Cre-Conditional Pseudorabies Virus Reveals a Subset of Midbrain Neurons That Participate in Reward Circuitry. *Journal of Neuroscience*, **2017**, 37, 4128-4144 | 6.6 | 31 |
| 46 | Identification of a Brainstem Circuit Controlling Feeding. *Cell*, **2017**, 170, 429-442.e11 | 56.2 | 68 |
| 45 | Bidirectional electromagnetic control of the hypothalamus regulates feeding and metabolism. *Nature*, **2016**, 531, 647-50 | 50.4 | 159 |
| 44 | Plasmonic activation of gold nanorods for remote stimulation of calcium signaling and protein expression in HEK 293T cells. *Biotechnology and Bioengineering*, **2016**, 113, 2228-40 | 4.9 | 9 |
| 43 | Nuclear Factor-Y is an adipogenic factor that regulates leptin gene expression. *Molecular Metabolism*, **2015**, 4, 392-405 | 8.8 | 23 |
| 42 | Sympathetic neuro-adipose connections mediate leptin-driven lipolysis. *Cell*, **2015**, 163, 84-94 | 56.2 | 243 |
| 41 | Reanalysis of parabiosis of obesity mutants in the age of leptin. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, E3874-82 | 11.5 | 10 |
| 40 | Molecular characterization of neuronal cell types based on patterns of projection with Retro-TRAP. *Nature Protocols*, **2015**, 10, 1319-27 | 18.8 | 34 |
| 39 | A General Method for Insertion of Functional Proteins within Proteins via Combinatorial Selection of Permissive Junctions. *Chemistry and Biology*, **2015**, 22, 1134-43 | | 7 |
| 38 | Remote regulation of glucose homeostasis in mice using genetically encoded nanoparticles. *Nature Medicine*, **2015**, 21, 92-98 | 50.5 | 143 |
| 37 | 20 years of leptin: from the discovery of the leptin gene to leptin in our therapeutic armamentarium. *Metabolism: Clinical and Experimental*, **2015**, 64, 1-4 | 12.7 | 56 |

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| 36 | The reward value of sucrose in leptin-deficient obese mice. *Molecular Metabolism*, **2014**, 3, 73-80 | 8.8 | 14 |
| 35 | Molecular profiling of neurons based on connectivity. *Cell*, **2014**, 157, 1230-42 | 56.2 | 107 |
| 34 | Stress and CRF gate neural activation of BDNF in the mesolimbic reward pathway. *Nature Neuroscience*, **2014**, 17, 27-9 | 25.5 | 151 |
| 33 | A critical role for mTORC1 in erythropoiesis and anemia. *ELife*, **2014**, 3, e01913 | 8.9 | 50 |
| 32 | Rapid regulation of depression-related behaviours by control of midbrain dopamine neurons. *Nature*, **2013**, 493, 532-6 | 50.4 | 731 |
| 31 | Hypothalamic melanin concentrating hormone neurons communicate the nutrient value of sugar. *ELife*, **2013**, 2, e01462 | 8.9 | 93 |
| 30 | Author response: Hypothalamic melanin concentrating hormone neurons communicate the nutrient value of sugar **2013**, | | 2 |
| 29 | Molecular profiling of activated neurons by phosphorylated ribosome capture. *Cell*, **2012**, 151, 1126-37 | 56.2 | 197 |
| 28 | Radio-wave heating of iron oxide nanoparticles can regulate plasma glucose in mice. *Science*, **2012**, 336, 604-8 | 33.3 | 354 |
| 27 | Molecular annotation of integrative feeding neural circuits. *Cell Metabolism*, **2011**, 13, 222-32 | 24.6 | 19 |
| 26 | Leptin and the regulation of body weigh. *Keio Journal of Medicine*, **2011**, 60, 1-9 | 1.6 | 84 |
| 25 | A tale of two hormones. *Nature Medicine*, **2010**, 16, 1100-6 | 50.5 | 42 |
| 24 | Hyperleptinemia is required for the development of leptin resistance. *PLoS ONE*, **2010**, 5, e11376 | 3.7 | 197 |
| 23 | Antidiabetic effects of IGFBP2, a leptin-regulated gene. *Cell Metabolism*, **2010**, 11, 11-22 | 24.6 | 203 |
| 22 | Leptin at 14 y of age: an ongoing story. *American Journal of Clinical Nutrition*, **2009**, 89, 973S-979S | 7 | 211 |
| 21 | Leptin targets in the mouse brain. *Journal of Comparative Neurology*, **2009**, 514, 518-32 | 3.4 | 357 |
| 20 | PET imaging of leptin biodistribution and metabolism in rodents and primates. *Cell Metabolism*, **2009**, 10, 148-59 | 24.6 | 48 |
| 19 | Identification of white adipocyte progenitor cells in vivo. *Cell*, **2008**, 135, 240-9 | 56.2 | 707 |

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| 18 | Cellular program controlling the recovery of adipose tissue mass: An in vivo imaging approach. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 12985-90 | 11.5 | 31 |
| 17 | Modern science versus the stigma of obesity. *Nature Medicine*, **2004**, 10, 563-9 | 50.5 | 327 |
| 16 | Rapid rewiring of arcuate nucleus feeding circuits by leptin. *Science*, **2004**, 304, 110-5 | 33.3 | 784 |
| 15 | Site and mechanism of leptin action in a rodent form of congenital lipodystrophy. *Journal of Clinical Investigation*, **2004**, 113, 414-424 | 15.9 | 146 |
| 14 | A war on obesity, not the obese. *Science*, **2003**, 299, 856-8 | 33.3 | 294 |
| 13 | Transgenic mice expressing green fluorescent protein under the control of the melanocortin-4 receptor promoter. *Journal of Neuroscience*, **2003**, 23, 7143-54 | 6.6 | 315 |
| 12 | Virus-assisted mapping of neural inputs to a feeding center in the hypothalamus. *Science*, **2001**, 291, 2608-13 | 33.3 | 305 |
| 11 | Selective deletion of leptin receptor in neurons leads to obesity. *Journal of Clinical Investigation*, **2001**, 108, 1113-1121 | 15.9 | 434 |
| 10 | Leptin and the regulation of body weight in mammals. *Nature*, **1998**, 395, 763-70 | 50.4 | 4178 |
| 9 | Absence of soluble leptin receptor in plasma from dbPas/dbPas and other db/db mice. *Journal of Biological Chemistry*, **1998**, 273, 10078-82 | 5.4 | 53 |
| 8 | The molecular basis of the obese mutation in ob2J mice. *Genomics*, **1997**, 42, 152-6 | 4.3 | 61 |
| 7 | Relatively low plasma leptin concentrations precede weight gain in Pima Indians. *Nature Medicine*, **1997**, 3, 238-40 | 50.5 | 216 |
| 6 | Acute stimulation of glucose metabolism in mice by leptin treatment. *Nature*, **1997**, 389, 374-7 | 50.4 | 611 |
| 5 | Leptin activation of Stat3 in the hypothalamus of wild-type and ob/ob mice but not db/db mice. *Nature Genetics*, **1996**, 14, 95-7 | 36.3 | 903 |
| 4 | Human leptin characterization. *Nature*, **1996**, 382, 589 | 50.4 | 72 |
| 3 | Positional cloning of the mouse obese gene and its human homologue. *Nature*, **1994**, 372, 425-32 | 50.4 | 10734 |
| 2 | Strategies for the molecular genetic analysis of obesity in humans. *Critical Reviews in Food Science and Nutrition*, **1993**, 33, 351-8 | 11.5 | 12 |
| 1 | Mouse chromosome 4. *Mammalian Genome*, **1992**, 3 Spec No, S55-64 | 3.2 | 19 |