Jeffrey M Friedman

List of Publications by Year
in descending order

73	28,894	66234	79541
papers	citations	42 h-index	73 g-index

80	80	80	23807
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Higher-Order Inputs Involved in Appetite Control. Biological Psychiatry, 2022, 91, 869-878.	0.7	15
2	Gut-to-brain signals in feeding control. American Journal of Physiology - Endocrinology and Metabolism, 2021, 320, E326-E332.	1.8	19
3	Restriction of food intake by PPP1R17-expressing neurons in the DMH. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	6
4	Critical roles of transcriptional coactivator MED1 in the formation and function of mouse adipose tissues. Genes and Development, 2021, 35, 729-748.	2.7	5
5	Functional analysis of distinct populations of subthalamic nucleus neurons on Parkinsonâ€™s disease and OCD-like behaviors in mice. Molecular Psychiatry, 2021, 26, 7029-7046.	4.1	20
6	Top-down control of conditioned overconsumption is mediated by insular cortex Nos1 neurons. Cell Metabolism, 2021, 33, 1418-1432.e6.	7.2	24
7	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, .	3.3	42
8	How the discovery of microbial opsins led to the development of optogenetics. Cell, 2021, 184, 5266-5270.	13.5	3
9	Control of non-homeostatic feeding in sated mice using associative learning of contextual food cues. Molecular Psychiatry, 2020, 25, 666-679.	4.1	23
10	Uncovering a possible role of reactive oxygen species in magnetogenetics. Scientific Reports, 2020, 10, 13096.	1.6	21
11	Selection of a Full Agonist Combinatorial Antibody that Rescues Leptin Deficiency In Vivo. Advanced Science, 2020, 7, 2000818.	5.6	8
12	Limitation of adipose tissue by the number of embryonic progenitor cells. ELife, 2020, 9, .	2.8	4
13	A limbic circuit selectively links active escape to food suppression. ELife, 2020, 9, .	2.8	37
14	Leptin and the endocrine control of energy balance. Nature Metabolism, 2019, 1, 754-764.	5.1	295
15	Regulation of Energy Expenditure by Brainstem GABA Neurons. Cell, 2019, 178, 672-685.e12.	13.5	69
16	Dysregulation of a long noncoding RNA reduces leptin leading to a leptin-responsive form of obesity. Nature Medicine, 2019, 25, 507-516.	15.2	79
17	A Role of Drd2 Hippocampal Neurons in Context-Dependent Food Intake. Neuron, 2019, 102, 873-886.e5.	3.8	54
18	Î±1- and Î²3-Adrenergic Receptorâ€“Mediated Mesolimbic Homeostatic Plasticity Confers Resilience to Social Stress in Susceptible Mice. Biological Psychiatry, 2019, 85, 226-236.	0.7	53

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19	Electromagnetic Regulation of Cell Activity. Cold Spring Harbor Perspectives in Medicine, 2019, 9, a034322.	2.9	15
20	Molecular and cellular characterization of nicotinic acetylcholine receptor subtypes in the arcuate nucleus of the mouse hypothalamus. European Journal of Neuroscience, 2018, 48, 1600-1619.	1.2	15
21	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.	3.3	24
22	A noncanonical PPARÎ³/RXRÎ±-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.	3.3	27
23	Functional analysis reveals differential effects of glutamate and MCH neuropeptide in MCH neurons. Molecular Metabolism, 2018, 13, 83-89.	3.0	31
24	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.	0.0	0
25	Rapid Molecular Profiling of Defined Cell Types Using Viral TRAP. Cell Reports, 2017, 19, 655-667.	2.9	77
26	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.	1.7	47
27	Identification of a Brainstem Circuit Controlling Feeding. Cell, 2017, 170, 429-442.e11.	13.5	110
28	Plasmonic activation of gold nanorods for remote stimulation of calcium signaling and protein expression in HEK 293T cells. Biotechnology and Bioengineering, 2016, 113, 2228-2240.	1.7	14
29	Bidirectional electromagnetic control of the hypothalamus regulates feeding and metabolism. Nature, 2016, 531, 647-650.	13.7	212
30	Nuclear Factor-Y is an adipogenic factor that regulates leptin gene expression. Molecular Metabolism, 2015, 4, 392-405.	3.0	32
31	Sympathetic Neuro-adipose Connections Mediate Leptin-Driven Lipolysis. Cell, 2015, 163, 84-94.	13.5	363
32	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.	3.3	12
33	Molecular characterization of neuronal cell types based on patterns of projection with Retro-TRAP. Nature Protocols, 2015, 10, 1319-1327.	5.5	43
34	A General Method for Insertion of Functional Proteins within Proteins via Combinatorial Selection of Permissive Junctions. Chemistry and Biology, 2015, 22, 1134-1143.	6.2	9
35	Remote regulation of glucose homeostasis in mice using genetically encoded nanoparticles. Nature Medicine, 2015, 21, 92-98.	15.2	189
36	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.	1.5	68

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37	A critical role for mTORC1 in erythropoiesis and anemia. ELife, 2014, 3, e01913.	2.8	67
38	The reward value of sucrose in leptin-deficient obese mice. Molecular Metabolism, 2014, 3, 73-80.	3.0	18
39	Molecular Profiling of Neurons Based on Connectivity. Cell, 2014, 157, 1230-1242.	13.5	134
40	Stress and CRF gate neural activation of BDNF in the mesolimbic reward pathway. Nature Neuroscience, 2014, 17, 27-29.	7.1	178
41	Rapid regulation of depression-related behaviours by control of midbrain dopamine neurons. Nature, 2013, 493, 532-536.	13.7	961
42	Hypothalamic melanin concentrating hormone neurons communicate the nutrient value of sugar. ELife, 2013, 2, e01462.	2.8	111
43	Molecular Profiling of Activated Neurons by Phosphorylated Ribosome Capture. Cell, 2012, 151, 1126-1137.	13.5	270
44	Radio-Wave Heating of Iron Oxide Nanoparticles Can Regulate Plasma Glucose in Mice. Science, 2012, 336, 604-608.	6.0	428
45	Molecular Annotation of Integrative Feeding Neural Circuits. Cell Metabolism, 2011, 13, 222-232.	7.2	24
46	Leptin and the Regulation of Body Weigh. Keio Journal of Medicine, 2011, 60, 1-9.	0.5	102
47	A tale of two hormones. Nature Medicine, 2010, 16, 1100-1106.	15.2	56
48	Hyperleptinemia Is Required for the Development of Leptin Resistance. PLoS ONE, 2010, 5, e11376.	1.1	244
49	Antidiabetic Effects of IGFBP2, a Leptin-Regulated Gene. Cell Metabolism, 2010, 11, 11-22.	7.2	251
50	Leptin at 14 y of age: an ongoing story. American Journal of Clinical Nutrition, 2009, 89, 973S-979S.	2.2	237
51	Leptin targets in the mouse brain. Journal of Comparative Neurology, 2009, 514, 518-532.	0.9	417
52	Causes and control of excess body fat. Nature, 2009, 459, 340-342.	13.7	209
53	PET Imaging of Leptin Biodistribution and Metabolism in Rodents and Primates. Cell Metabolism, 2009, 10, 148-159.	7.2	52
54	Identification of White Adipocyte Progenitor Cells In Vivo. Cell, 2008, 135, 240-249.	13.5	828

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55	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, 12985-12990.	3.3	34
56	Modern science versus the stigma of obesity. Nature Medicine, 2004, 10, 563-569.	15.2	372
57	Rapid Rewiring of Arcuate Nucleus Feeding Circuits by Leptin. Science, 2004, 304, 110-115.	6.0	890
58	Site and mechanism of leptin action in a rodent form of congenital lipodystrophy. Journal of Clinical Investigation, 2004, 113, 414-424.	3.9	158
59	A War on Obesity, Not the Obese. Science, 2003, 299, 856-858.	6.0	330
60	Transgenic Mice Expressing Green Fluorescent Protein under the Control of the Melanocortin-4 Receptor Promoter. Journal of Neuroscience, 2003, 23, 7143-7154.	1.7	341
61	Virus-Assisted Mapping of Neural Inputs to a Feeding Center in the Hypothalamus. Science, 2001, 291, 2608-2613.	6.0	376
62	Selective deletion of leptin receptor in neurons leads to obesity. Journal of Clinical Investigation, 2001, 108, 1113-1121.	3.9	482
63	Leptin and the regulation of body weight in mammals. Nature, 1998, 395, 763-770.	13.7	4,702
64	Absence of Soluble Leptin Receptor in Plasma fromdbPas/dbPas and Otherdb/db Mice. Journal of Biological Chemistry, 1998, 273, 10078-10082.	1.6	68
65	The Molecular Basis of the Obese Mutation in ob2JMice. Genomics, 1997, 42, 152-156.	1.3	66
66	Relatively low plasma leptin concentrations precede weight gain in Pima Indians. Nature Medicine, 1997, 3, 238-240.	15.2	238
67	The alphabet of weight control. Nature, 1997, 385, 119-120.	13.7	165
68	Acute stimulation of glucose metabolism in mice by leptin treatment. Nature, 1997, 389, 374-377.	13.7	676
69	Leptin activation of Stat3 in the hypothalamus of wildâ€“type and ob/ob mice but not db/db mice. Nature Genetics, 1996, 14, 95-97.	9.4	1,000
70	Human leptin characterization. Nature, 1996, 382, 589-589.	13.7	88
71	Positional cloning of the mouse obese gene and its human homologue. Nature, 1994, 372, 425-432.	13.7	12,218
72	Strategies for the molecular genetic analysis of obesity in humans. Critical Reviews in Food Science and Nutrition, 1993, 33, 351-358.	5.4	14

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73	Mouse Chromosome 4. Mammalian Genome, 1992, 3, S55-S64.	1.0	19