Heike MÃ¼nzberg

List of Publications by Year
in descending order

59 papers	6,979 citations	117625 34 h-index	133252 59 g-index
60 all docs	60 docs citations	60 times ranked	7874 citing authors

#	Article	IF	Citations
1	Mechanisms of Leptin Action and Leptin Resistance. Annual Review of Physiology, 2008, 70, 537-556.	13.1	880
2	Region-Specific Leptin Resistance within the Hypothalamus of Diet-Induced Obese Mice. Endocrinology, 2004, 145, 4880-4889.	2.8	628
3	FGF21 is an endocrine signal of protein restriction. Journal of Clinical Investigation, 2014, 124, 3913-3922.	8.2	451
4	Leptin Acts via Leptin Receptor-Expressing Lateral Hypothalamic Neurons to Modulate the Mesolimbic Dopamine System and Suppress Feeding. Cell Metabolism, 2009, 10, 89-98.	16.2	370
5	Leptin and Insulin Act on POMC Neurons to Promote the Browning of White Fat. Cell, 2015, 160, 88-104.	28.9	308
6	Structure, production and signaling of leptin. Metabolism: Clinical and Experimental, 2015, 64, 13-23.	3.4	307
7	Role of Signal Transducer and Activator of Transcription 3 in Regulation of Hypothalamic Proopiomelanocortin Gene Expression by Leptin. Endocrinology, 2003, 144, 2121-2131.	2.8	278
8	Blaming the Brain for Obesity: Integration of Hedonic and Homeostatic Mechanisms. Gastroenterology, 2017, 152, 1728-1738.	1.3	263
9	The Geometry of Leptin Action in the Brain: More Complicated Than a Simple ARC. Cell Metabolism, 2009, 9, 117-123.	16.2	255
10	Leptin-Receptor-Expressing Neurons in the Dorsomedial Hypothalamus and Median Preoptic Area Regulate Sympathetic Brown Adipose Tissue Circuits. Journal of Neuroscience, 2011, 31, 1873-1884.	3.6	217
11	The lateral hypothalamus as integrator of metabolic and environmental needs: From electrical self-stimulation to opto-genetics. Physiology and Behavior, 2011, 104, 29-39.	2.1	201
12	Galanin neurons in the ventrolateral preoptic area promote sleep and heat loss in mice. Nature Communications, 2018, 9, 4129.	12.8	176
13	Leptin Receptor Signaling and Action in the Central Nervous System. Obesity, 2006, 14, 208S-212S.	3.0	175
14	Differential Accessibility of Circulating Leptin to Individual Hypothalamic Sites. Endocrinology, 2007, 148, 5414-5423.	2.8	167
15	Leptin receptor neurons in the dorsomedial hypothalamus are key regulators of energy expenditure and body weight, but not food intake. Molecular Metabolism, 2014, 3, 681-693.	6.5	165
16	GLP-1 receptor signaling is not required for reduced body weight after RYGB in rodents. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2014, 306, R352-R362.	1.8	157
17	Mice lacking inhibitory leptin receptor signals are lean with normal endocrine function. Journal of Clinical Investigation, 2007, 117, 1354-1360.	8.2	152
18	Direct Innervation of GnRH Neurons by Metabolic- and Sexual Odorant-Sensing Leptin Receptor Neurons in the Hypothalamic Ventral Premammillary Nucleus. Journal of Neuroscience, 2009, 29, 3138-3147.	3.6	136

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19	Enhanced Leptin-Stimulated Pi3k Activation in the CNS Promotes White Adipose Tissue Transdifferentiation. Cell Metabolism, 2007, 6, 431-445.	16.2	121
20	Ventral Tegmental Area Leptin Receptor Neurons Specifically Project to and Regulate Cocaine- and Amphetamine-Regulated Transcript Neurons of the Extended Central Amygdala. Journal of Neuroscience, 2010, 30, 5713-5723.	3.6	117
21	Glutamatergic Preoptic Area Neurons That Express Leptin Receptors Drive Temperature-Dependent Body Weight Homeostasis. Journal of Neuroscience, 2016, 36, 5034-5046.	3.6	108
22	Early-Life Exposure to Testosterone Programs the Hypothalamic Melanocortin System. Endocrinology, 2011, 152, 1661-1669.	2.8	104
23	Leptin receptor neurons in the mouse hypothalamus are colocalized with the neuropeptide galanin and mediate anorexigenic leptin action. American Journal of Physiology - Endocrinology and Metabolism, 2013, 304, E999-E1011.	3.5	82
24	Galanin-Expressing GABA Neurons in the Lateral Hypothalamus Modulate Food Reward and Noncompulsive Locomotion. Journal of Neuroscience, 2017, 37, 6053-6065.	3.6	80
25	Neural and metabolic regulation of macronutrient intake and selection. Proceedings of the Nutrition Society, 2012, 71, 390-400.	1.0	71
26	Appropriate Inhibition of Orexigenic Hypothalamic Arcuate Nucleus Neurons Independently of Leptin Receptor/STAT3 Signaling. Journal of Neuroscience, 2007, 27, 69-74.	3.6	70
27	Role of Signal Transducer and Activator of Transcription 3 in Regulation of Hypothalamic trh Gene Expression by Leptin. Endocrinology, 2004, 145, 2516-2523.	2.8	67
28	Leptin modulates nutrient reward via inhibitory galanin action on orexin neurons. Molecular Metabolism, 2015, 4, 706-717.	6.5	63
29	FGF21 and the Physiological Regulation of Macronutrient Preference. Endocrinology, 2020, 161, .	2.8	57
30	Central mechanisms of adiposity in adult female mice with androgen excess. Obesity, 2014, 22, 1477-1484.	3.0	51
31	Androgen excess in pancreatic Î² cells and neurons predisposes female mice to type 2 diabetes. JCI Insight, 2018, 3, .	5.0	49
32	Integration of sensory information via central thermoregulatory leptin targets. Physiology and Behavior, 2013, 121, 49-55.	2.1	45
33	Sympathetic innervation of the interscapular brown adipose tissue in mouse. Annals of the New York Academy of Sciences, 2019, 1454, 3-13.	3.8	44
34	RYGB Produces more Sustained Body Weight Loss and Improvement of Glycemic Control Compared with VSG in the Diet-Induced Obese Mouse Model. Obesity Surgery, 2017, 27, 2424-2433.	2.1	39
35	The Hypothalamic Preoptic Area and Body Weight Control. Neuroendocrinology, 2018, 106, 187-194.	2.5	38
36	Neural Control of Energy Expenditure. Handbook of Experimental Pharmacology, 2015, 233, 173-194.	1.8	36

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37	Novel Aspects of Brown Adipose Tissue Biology. Endocrinology and Metabolism Clinics of North America, 2013, 42, 89-107.	3.2	35
38	The PYY/Y2R-Deficient Mouse Responds Normally to High-Fat Diet and Gastric Bypass Surgery. Nutrients, 2019, 11, 585.	4.1	35
39	Combined loss of GLP-1R and Y2R does not alter progression of high-fat diet-induced obesity or response to RYGB surgery in mice. Molecular Metabolism, 2019, 25, 64-72.	6.5	31
40	The obesity epidemic in the face of homeostatic body weight regulation: What went wrong and how can it be fixed?. Physiology and Behavior, 2020, 222, 112959.	2.1	31
41	Glutamate release mediates leptin action on energy expenditure. Molecular Metabolism, 2013, 2, 109-115.	6.5	30
42	Roux-en-Y Gastric Bypass Surgery-Induced Weight Loss and Metabolic Improvements Are Similar in TGR5-Deficient and Wildtype Mice. Obesity Surgery, 2018, 28, 3227-3236.	2.1	30
43	Sympathetic innervation of inguinal white adipose tissue in the mouse. Journal of Comparative Neurology, 2021, 529, 1465-1485.	1.6	30
44	Modulation of Feeding and Associated Behaviors by Lateral Hypothalamic Circuits. Endocrinology, 2018, 159, 3631-3642.	2.8	28
45	Preoptic leptin signaling modulates energy balance independent of body temperature regulation. ELife, 2018, 7, .	6.0	28
46	Hedonics Act in Unison with the Homeostatic System to Unconsciously Control Body Weight. Frontiers in Nutrition, 2016, 3, 6.	3.7	25
47	Recent advances in understanding the role of leptin in energy homeostasis. F1000Research, 2020, 9, 451.	1.6	24
48	IGFBP-2 partly mediates the early metabolic improvements caused by bariatric surgery. Cell Reports Medicine, 2021, 2, 100248.	6.5	18
49	Regulation of body weight: Lessons learned from bariatric surgery. Molecular Metabolism, 2023, 68, 101517.	6.5	17
50	Genetics-based manipulation of adipose tissue sympathetic innervation. Physiology and Behavior, 2018, 190, 21-27.	2.1	14
51	New Insights into the Regulation of Leptin Gene Expression. Cell Metabolism, 2019, 29, 1013-1014.	16.2	12
52	Sympathetic Innervation of White Adipose Tissue: to Beige or Not to Beige?. Physiology, 2021, 36, 246-255.	3.1	12
53	Sympathetic innervation of the mouse kidney and liver arising from prevertebral ganglia. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2021, 321, R328-R337.	1.8	12
54	Organization of sympathetic innervation of interscapular brown adipose tissue in the mouse. Journal of Comparative Neurology, 2022, 530, 1363-1378.	1.6	12

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55	Protein Appetite at the Interface between Nutrient Sensing and Physiological Homeostasis. Nutrients, 2021, 13, 4103.	4.1	11
56	Galanin Regulates Myocardial Mitochondrial ROS Homeostasis and Hypertrophic Remodeling Through GalR2. Frontiers in Pharmacology, 2022, 13, 869179.	3.5	5
57	Gastric bypass surgery in lean adolescent mice prevents diet-induced obesity later in life. Scientific Reports, 2019, 9, 7881.	3.3	4
58	Lateral hypothalamic galanin neurons are activated by stress and blunt anxiety-like behavior in mice. Behavioural Brain Research, 2022, 423, 113773.	2.2	4
59	Testing Effects of Chronic Chemogenetic Neuronal Stimulation on Energy Balance by Indirect Calorimetry. Bio-protocol, 2018, 8, .	0.4	3