Heike Mnzberg

List of Publications by Citations

57 papers	5,555 citations	31 h-index	60 g-index
60 ext. papers	6,406 ext. citations	8.6 avg, IF	5.78 L-index

#	Paper	IF	Citations
57	Mechanisms of leptin action and leptin resistance. *Annual Review of Physiology*, **2008**, 70, 537-56	23.1	749
56	Region-specific leptin resistance within the hypothalamus of diet-induced obese mice. *Endocrinology*, **2004**, 145, 4880-9	4.8	563
55	FGF21 is an endocrine signal of protein restriction. *Journal of Clinical Investigation*, **2014**, 124, 3913-22	15.9	329
54	Leptin acts via leptin receptor-expressing lateral hypothalamic neurons to modulate the mesolimbic dopamine system and suppress feeding. *Cell Metabolism*, **2009**, 10, 89-98	24.6	315
53	Role of signal transducer and activator of transcription 3 in regulation of hypothalamic proopiomelanocortin gene expression by leptin. *Endocrinology*, **2003**, 144, 2121-31	4.8	253
52	Leptin and insulin act on POMC neurons to promote the browning of white fat. *Cell*, **2015**, 160, 88-104	56.2	249
51	The geometry of leptin action in the brain: more complicated than a simple ARC. *Cell Metabolism*, **2009**, 9, 117-23	24.6	228
50	Structure, production and signaling of leptin. *Metabolism: Clinical and Experimental*, **2015**, 64, 13-23	12.7	225
49	Leptin-receptor-expressing neurons in the dorsomedial hypothalamus and median preoptic area regulate sympathetic brown adipose tissue circuits. *Journal of Neuroscience*, **2011**, 31, 1873-84	6.6	186
48	Blaming the Brain for Obesity: Integration of Hedonic and Homeostatic Mechanisms. *Gastroenterology*, **2017**, 152, 1728-1738	13.3	173
47	The lateral hypothalamus as integrator of metabolic and environmental needs: from electrical self-stimulation to opto-genetics. *Physiology and Behavior*, **2011**, 104, 29-39	3.5	164
46	Leptin receptor signaling and action in the central nervous system. *Obesity*, **2006**, 14 Suppl 5, 208S-212S	8	155
45	Differential accessibility of circulating leptin to individual hypothalamic sites. *Endocrinology*, **2007**, 148, 5414-23	4.8	150
44	Mice lacking inhibitory leptin receptor signals are lean with normal endocrine function. *Journal of Clinical Investigation*, **2007**, 117, 1354-60	15.9	142
43	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, R352-62	3.2	141
42	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, 3138-47	6.6	124
41	Leptin receptor neurons in the dorsomedial hypothalamus are key regulators of energy expenditure and body weight, but not food intake. *Molecular Metabolism*, **2014**, 3, 681-93	8.8	121

40	Enhanced leptin-stimulated Pi3k activation in the CNS promotes white adipose tissue transdifferentiation. *Cell Metabolism*, **2007**, 6, 431-45	24.6	112
39	Galanin neurons in the ventrolateral preoptic area promote sleep and heat loss in mice. *Nature Communications*, **2018**, 9, 4129	17.4	101
38	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, 5713-23	6.6	99
37	Early-life exposure to testosterone programs the hypothalamic melanocortin system. *Endocrinology* , **2011**, 152, 1661-9	4.8	90
36	Glutamatergic Preoptic Area Neurons That Express Leptin Receptors Drive Temperature-Dependent Body Weight Homeostasis. *Journal of Neuroscience*, **2016**, 36, 5034-46	6.6	79
35	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, E999-1011	6	69
34	Appropriate inhibition of orexigenic hypothalamic arcuate nucleus neurons independently of leptin receptor/STAT3 signaling. *Journal of Neuroscience*, **2007**, 27, 69-74	6.6	62
33	Role of signal transducer and activator of transcription 3 in regulation of hypothalamic trh gene expression by leptin. *Endocrinology*, **2004**, 145, 2516-23	4.8	60
32	Galanin-Expressing GABA Neurons in the Lateral Hypothalamus Modulate Food Reward and Noncompulsive Locomotion. *Journal of Neuroscience*, **2017**, 37, 6053-6065	6.6	56
31	Leptin modulates nutrient reward via inhibitory galanin action on orexin neurons. *Molecular Metabolism*, **2015**, 4, 706-17	8.8	56
30	Neural and metabolic regulation of macronutrient intake and selection. *Proceedings of the Nutrition Society*, **2012**, 71, 390-400	2.9	51
29	Integration of sensory information via central thermoregulatory leptin targets. *Physiology and Behavior*, **2013**, 121, 49-55	3.5	40
28	Central mechanisms of adiposity in adult female mice with androgen excess. *Obesity*, **2014**, 22, 1477-84	8	38
27	Androgen excess in pancreatic □cells and neurons predisposes female mice to type 2 diabetes. *JCI Insight*, **2018**, 3,	9.9	32
26	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	3.7	29
25	Glutamate release mediates leptin action on energy expenditure. *Molecular Metabolism*, **2013**, 2, 109-15	8.8	26
24	FGF21 and the Physiological Regulation of Macronutrient Preference. *Endocrinology*, **2020**, 161,	4.8	26
23	Neural Control of Energy Expenditure. *Handbook of Experimental Pharmacology*, **2016**, 233, 173-94	3.2	25

22	Novel aspects of brown adipose tissue biology. *Endocrinology and Metabolism Clinics of North America*, **2013**, 42, 89-107	5.5	25
21	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	8.8	23
20	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	3.7	22
19	The PYY/Y2R-Deficient Mouse Responds Normally to High-Fat Diet and Gastric Bypass Surgery. *Nutrients*, **2019**, 11,	6.7	21
18	Sympathetic innervation of the interscapular brown adipose tissue in mouse. *Annals of the New York Academy of Sciences*, **2019**, 1454, 3-13	6.5	19
17	Hedonics Act in Unison with the Homeostatic System to Unconsciously Control Body Weight. *Frontiers in Nutrition*, **2016**, 3, 6	6.2	19
16	Modulation of Feeding and Associated Behaviors by Lateral Hypothalamic Circuits. *Endocrinology*, **2018**, 159, 3631-3642	4.8	18
15	The Hypothalamic Preoptic Area and Body Weight Control. *Neuroendocrinology*, **2018**, 106, 187-194	5.6	17
14	Preoptic leptin signaling modulates energy balance independent of body temperature regulation. *ELife*, **2018**, 7,	8.9	16
13	Recent advances in understanding the role of leptin in energy homeostasis. *F1000Research*, **2020**, 9,	3.6	12
12	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	3.5	10
11	New Insights into the Regulation of Leptin Gene Expression. *Cell Metabolism*, **2019**, 29, 1013-1014	24.6	8
10	Genetics-based manipulation of adipose tissue sympathetic innervation. *Physiology and Behavior*, **2018**, 190, 21-27	3.5	8
9	Sympathetic innervation of inguinal white adipose tissue in the mouse. *Journal of Comparative Neurology*, **2021**, 529, 1465-1485	3.4	6
8	Gastric bypass surgery in lean adolescent mice prevents diet-induced obesity later in life. *Scientific Reports*, **2019**, 9, 7881	4.9	4
7	IGFBP-2 partly mediates the early metabolic improvements caused by bariatric surgery. *Cell Reports Medicine*, **2021**, 2, 100248	18	4
6	Testing Effects of Chronic Chemogenetic Neuronal Stimulation on Energy Balance by Indirect Calorimetry. *Bio-protocol*, **2018**, 8,	0.9	2
5	Lateral hypothalamic galanin neurons are activated by stress and blunt anxiety-like behavior in mice.. *Behavioural Brain Research*, **2022**, 113773	3.4	1

List of Publications

4	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	3.2	1
3	Regulation of Body Weight: Lessons Learned from Bariatric Surgery. *Molecular Metabolism*, **2022**, 101518	8.8	1
2	Sympathetic Innervation of White Adipose Tissue: to Beige or Not to Beige?. *Physiology*, **2021**, 36, 246-255	5.8	0
1	Galanin Regulates Myocardial Mitochondrial ROS Homeostasis and Hypertrophic Remodeling Through GalR2.. *Frontiers in Pharmacology*, **2022**, 13, 869179	5.6	0