Joel Elmquist

List of Publications by Year in Descending Order

80 papers	13,726 citations	47 h-index	89 g-index
89 ext. papers	14,945 ext. citations	12.7 avg, IF	5.85 L-index

#	Paper	IF	Citations
80	CB1Rs in VMH neurons regulate glucose homeostasis but not body weight. *American Journal of Physiology - Endocrinology and Metabolism*, **2021**, 321, E146-E155	6	3
79	Disrupting the ghrelin-growth hormone axis limits ghrelinЂ orexigenic but not glucoregulatory actions. *Molecular Metabolism*, **2021**, 53, 101258	8.8	9
78	Electrophysiological Properties of Genetically Identified Histaminergic Neurons. *Neuroscience*, **2020**, 444, 183-195	3.9	1
77	Leptin: Less Is More. *Diabetes*, **2020**, 69, 823-829	0.9	33
76	Coordination of metabolism, arousal, and reward by orexin/hypocretin neurons. *Journal of Clinical Investigation*, **2020**, 130, 4540-4542	15.9	2
75	Perivascular mesenchymal cells control adipose-tissue macrophage accrual in obesity. *Nature Metabolism*, **2020**, 2, 1332-1349	14.6	15
74	Combined Loss of Ghrelin Receptor and Cannabinoid CB1 Receptor in Mice Decreases Survival but does not Additively Reduce Body Weight or Eating. *Neuroscience*, **2020**, 447, 53-62	3.9	2
73	Melanocortin regulation of histaminergic neurons via perifornical lateral hypothalamic melanocortin 4 receptors. *Molecular Metabolism*, **2020**, 35, 100956	8.8	5
72	NURR1 activation in skeletal muscle controls systemic energy homeostasis. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 11299-11308	11.5	20
71	Adipocyte Gs but not Gi signaling regulates whole-body glucose homeostasis. *Molecular Metabolism*, **2019**, 27, 11-21	8.8	16
70	Ghrelin mediates exercise endurance and the feeding response post-exercise. *Molecular Metabolism*, **2018**, 9, 114-130	8.8	19
69	Leptin and brain-adipose crosstalks. *Nature Reviews Neuroscience*, **2018**, 19, 153-165	13.5	108
68	POMC neurons expressing leptin receptors coordinate metabolic responses to fasting via suppression of leptin levels. *ELife*, **2018**, 7,	8.9	51
67	Hepatocyte toll-like receptor 4 deficiency protects against alcohol-induced fatty liver disease. *Molecular Metabolism*, **2018**, 14, 121-129	8.8	27
66	Short-Term Versus Long-Term Effects of Adipocyte Toll-Like Receptor 4 Activation on Insulin Resistance in Male Mice. *Endocrinology*, **2017**, 158, 1260-1270	4.8	24
65	An adipo-biliary-uridine axis that regulates energy homeostasis. *Science*, **2017**, 355,	33.3	55
64	The hypothalamic regulation of metabolic adaptations to exercise. *Journal of Neuroendocrinology*, **2017**, 29, e12533	3.8	8

63	Nutritional conditions regulate transcriptional activity of SF-1 by controlling sumoylation and ubiquitination. *Scientific Reports*, **2016**, 6, 19143	4.9	7
62	SF-1 expression in the hypothalamus is required for beneficial metabolic effects of exercise. *ELife*, **2016**, 5,	8.9	27
61	Author response: SF-1 expression in the hypothalamus is required for beneficial metabolic effects of exercise **2016**,		2
60	Leptin and insulin engage specific PI3K subunits in hypothalamic SF1 neurons. *Molecular Metabolism*, **2016**, 5, 669-679	8.8	34
59	A neural basis for melanocortin-4 receptor-regulated appetite. *Nature Neuroscience*, **2015**, 18, 863-71	25.5	238
58	Neural control of energy balance: translating circuits to therapies. *Cell*, **2015**, 161, 133-145	56.2	149
57	Meta-chlorophenylpiperazine enhances leptin sensitivity in diet-induced obese mice. *British Journal of Pharmacology*, **2015**, 172, 3510-21	8.6	11
56	Loss of the liver X receptor LXR□in peripheral sensory neurons modifies energy expenditure. *ELife*, **2015**, 4,	8.9	16
55	PPAR□in vagal neurons regulates high-fat diet induced thermogenesis. *Cell Metabolism*, **2014**, 19, 722-30	24.6	49
54	MC4R-expressing glutamatergic neurons in the paraventricular hypothalamus regulate feeding and are synaptically connected to the parabrachial nucleus. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 13193-8	11.5	136
53	Xbp1s in Pomc neurons connects ER stress with energy balance and glucose homeostasis. *Cell Metabolism*, **2014**, 20, 471-82	24.6	169
52	Hepatocyte Toll-like receptor 4 regulates obesity-induced inflammation and insulin resistance. *Nature Communications*, **2014**, 5, 3878	17.4	192
51	Circuits controlling energy balance and mood: inherently intertwined or just complicated intersections?. *Cell Metabolism*, **2014**, 19, 902-9	24.6	21
50	Arcuate AgRP neurons mediate orexigenic and glucoregulatory actions of ghrelin. *Molecular Metabolism*, **2014**, 3, 64-72	8.8	173
49	Melanocortin 4 receptors in autonomic neurons regulate thermogenesis and glycemia. *Nature Neuroscience*, **2014**, 17, 911-3	25.5	94
48	Serotonin 2C receptors in pro-opiomelanocortin neurons regulate energy and glucose homeostasis. *Journal of Clinical Investigation*, **2013**, 123, 5061-70	15.9	148
47	The cover. Neuroendocrine and endocrine pathways of obesity. *JAMA - Journal of the American Medical Association*, **2012**, 308, 1070-1	27.4	11
46	Direct leptin action on POMC neurons regulates glucose homeostasis and hepatic insulin sensitivity in mice. *Journal of Clinical Investigation*, **2012**, 122, 1000-9	15.9	239

45	FOXO1 in the ventromedial hypothalamus regulates energy balance. *Journal of Clinical Investigation*, **2012**, 122, 2578-89	15.9	102
44	Distinct hypothalamic neurons mediate estrogenic effects on energy homeostasis and reproduction. *Cell Metabolism*, **2011**, 14, 453-65	24.6	402
43	SF-1 in the ventral medial hypothalamic nucleus: a key regulator of homeostasis. *Molecular and Cellular Endocrinology*, **2011**, 336, 219-23	4.4	47
42	Steroidogenic factor 1 directs programs regulating diet-induced thermogenesis and leptin action in the ventral medial hypothalamic nucleus. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 10673-8	11.5	127
41	5-HT2CRs expressed by pro-opiomelanocortin neurons regulate insulin sensitivity in liver. *Nature Neuroscience*, **2010**, 13, 1457-9	25.5	75
40	Segregation of acute leptin and insulin effects in distinct populations of arcuate proopiomelanocortin neurons. *Journal of Neuroscience*, **2010**, 30, 2472-9	6.6	253
39	Direct insulin and leptin action on pro-opiomelanocortin neurons is required for normal glucose homeostasis and fertility. *Cell Metabolism*, **2010**, 11, 286-97	24.6	278
38	PI3K signaling in the ventromedial hypothalamic nucleus is required for normal energy homeostasis. *Cell Metabolism*, **2010**, 12, 88-95	24.6	92
37	Leptin targets in the mouse brain. *Journal of Comparative Neurology*, **2009**, 514, 518-32	3.4	357
36	5-HT2CRs expressed by pro-opiomelanocortin neurons regulate energy homeostasis. *Neuron*, **2008**, 60, 582-9	13.9	245
35	Synaptic glutamate release by ventromedial hypothalamic neurons is part of the neurocircuitry that prevents hypoglycemia. *Cell Metabolism*, **2007**, 5, 383-93	24.6	286
34	Enhanced leptin sensitivity and improved glucose homeostasis in mice lacking suppressor of cytokine signaling-3 in POMC-expressing cells. *Cell Metabolism*, **2006**, 4, 123-32	24.6	187
33	Leptin directly activates SF1 neurons in the VMH, and this action by leptin is required for normal body-weight homeostasis. *Neuron*, **2006**, 49, 191-203	13.9	594
32	Divergence of melanocortin pathways in the control of food intake and energy expenditure. *Cell*, **2005**, 123, 493-505	56.2	820
31	Identifying hypothalamic pathways controlling food intake, body weight, and glucose homeostasis. *Journal of Comparative Neurology*, **2005**, 493, 63-71	3.4	332
30	Neuroscience. The fat-brain axis enters a new dimension. *Science*, **2004**, 304, 63-4	33.3	82
29	Leptin receptor signaling in POMC neurons is required for normal body weight homeostasis. *Neuron*, **2004**, 42, 983-91	13.9	721
28	Glucagon-like peptide-1-responsive catecholamine neurons in the area postrema link peripheral glucagon-like peptide-1 with central autonomic control sites. *Journal of Neuroscience*, **2003**, 23, 2939-46	6.6	228

27	Glucagon-like peptide-1 receptor stimulation increases blood pressure and heart rate and activates autonomic regulatory neurons. *Journal of Clinical Investigation*, **2002**, 110, 43-52	15.9	360
26	Glucagon-like peptide-1 receptor stimulation increases blood pressure and heart rate and activates autonomic regulatory neurons. *Journal of Clinical Investigation*, **2002**, 110, 43-52	15.9	189
25	Characterization of CART neurons in the rat and human hypothalamus. *Journal of Comparative Neurology*, **2001**, 432, 1-19	3.4	336
24	Differential expression of orexin receptors 1 and 2 in the rat brain. *Journal of Comparative Neurology*, **2001**, 435, 6-25	3.4	1295
23	Hypothalamic pathways underlying the endocrine, autonomic, and behavioral effects of leptin. *International Journal of Obesity*, **2001**, 25 Suppl 5, S78-82	5.5	107
22	Chemical characterization of leptin-activated neurons in the rat brain. *Journal of Comparative Neurology*, **2000**, 423, 261-281	3.4	322
21	Relationship of EP(1-4) prostaglandin receptors with rat hypothalamic cell groups involved in lipopolysaccharide fever responses. *Journal of Comparative Neurology*, **2000**, 428, 20-32	3.4	117
20	Anatomic basis of leptin action in the hypothalamus. *Frontiers of Hormone Research*, **2000**, 26, 21-41	3.5	32
19	Chemical characterization of leptin-activated neurons in the rat brain **2000**, 423, 261		1
18	Relationship of EP1-4 prostaglandin receptors with rat hypothalamic cell groups involved in lipopolysaccharide fever responses **2000**, 428, 20		1
17	Distinct physiologic and neuronal responses to decreased leptin and mild hyperleptinemia. *Endocrinology*, **1999**, 140, 4923-31	4.8	219
16	Unraveling the central nervous system pathways underlying responses to leptin. *Nature Neuroscience*, **1998**, 1, 445-50	25.5	431
15	Distributions of leptin receptor mRNA isoforms in the rat brain. *Journal of Comparative Neurology*, **1998**, 395, 535-547	3.4	867
14	Chemically defined projections linking the mediobasal hypothalamus and the lateral hypothalamic area. *Journal of Comparative Neurology*, **1998**, 402, 442-459	3.4	737
13	Leptin activates distinct projections from the dorsomedial and ventromedial hypothalamic nuclei. *Proceedings of the National Academy of Sciences of the United States of America*, **1998**, 95, 741-6	11.5	329
12	Distributions of leptin receptor mRNA isoforms in the rat brain **1998**, 395, 535		2
11	Chemically defined projections linking the mediobasal hypothalamus and the lateral hypothalamic area **1998**, 402, 442		2
10	Chemically defined projections linking the mediobasal hypothalamus and the lateral hypothalamic area **1998**, 402, 442		1

9	Chemically defined projections linking the mediobasal hypothalamus and the lateral hypothalamic area **1998**, 402, 442		18
8	Distributions of leptin receptor mRNA isoforms in the rat brain. *Journal of Comparative Neurology*, **1998**, 395, 535-47	3.4	323
7	CNS regulation of energy balance and body weight: insights from rodent models. *Laboratory Animal Science*, **1998**, 48, 630-7		9
6	Intravenous lipopolysaccharide induces cyclooxygenase 2-like immunoreactivity in rat brain perivascular microglia and meningeal macrophages. *Journal of Comparative Neurology*, **1997**, 381, 119-29	3.4	218
5	Characterization and ontogeny of synapse-associated proteins in the developing facial and hypoglossal motor nuclei of the Brazilian opossum. *Journal of Comparative Neurology*, **1996**, 368, 270-84	3.4	8
4	Distribution of Fos-like immunoreactivity in the rat brain following intravenous lipopolysaccharide administration. *Journal of Comparative Neurology*, **1996**, 371, 85-103	3.4	271
3	Activation of neurons projecting to the paraventricular hypothalamic nucleus by intravenous lipopolysaccharide. *Journal of Comparative Neurology*, **1996**, 374, 315-31	3.4	131
2	Reduced physeal area and chondrocyte proliferation in Pasteurella multocida toxin-treated rats. *Veterinary Pathology*, **1995**, 32, 674-82	2.8	7
1	Activation of SOCS-3 Messenger Ribonucleic Acid in the Hypothalamus by Ciliary Neurotrophic Factor		34