

Young-Hwan Jo

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

37
papers

2,602
citations

24
h-index

39
g-index

39
ext. papers

2,909
ext. citations

8.3
avg, IF

4.88
L-index

#	Paper	IF	Citations
37	Leptin acts via leptin receptor-expressing lateral hypothalamic neurons to modulate the mesolimbic dopamine system and suppress feeding. <i>Cell Metabolism</i> , 2009 , 10, 89-98	24.6	315
36	Synaptic corelease of ATP and GABA in cultured spinal neurons. <i>Nature Neuroscience</i> , 1999 , 2, 241-5	25.5	302
35	Leptin action via neurotensin neurons controls orexin, the mesolimbic dopamine system and energy balance. <i>Cell Metabolism</i> , 2011 , 14, 313-23	24.6	241
34	Nicotinic receptor-mediated effects on appetite and food intake. <i>Journal of Neurobiology</i> , 2002 , 53, 618-32		239
33	Integration of endocannabinoid and leptin signaling in an appetite-related neural circuit. <i>Neuron</i> , 2005 , 48, 1055-66	13.9	190
32	Mediobasal hypothalamic leucine sensing regulates food intake through activation of a hypothalamus-brainstem circuit. <i>Journal of Neuroscience</i> , 2009 , 29, 8302-11	6.6	170
31	Direct innervation of GnRH neurons by metabolic- and sexual odorant-sensing leptin receptor neurons in the hypothalamic ventral premammillary nucleus. <i>Journal of Neuroscience</i> , 2009 , 29, 3138-47	6.6	124
30	Coordinate release of ATP and GABA at in vitro synapses of lateral hypothalamic neurons. <i>Journal of Neuroscience</i> , 2002 , 22, 4794-804	6.6	122
29	Central action of FGF19 reduces hypothalamic AGRP/NPY neuron activity and improves glucose metabolism. <i>Molecular Metabolism</i> , 2014 , 3, 19-28	8.8	92
28	Oxytocin modulates glutamatergic synaptic transmission between cultured neonatal spinal cord dorsal horn neurons. <i>Journal of Neuroscience</i> , 1998 , 18, 2377-86	6.6	81
27	Oleic acid directly regulates POMC neuron excitability in the hypothalamus. <i>Journal of Neurophysiology</i> , 2009 , 101, 2305-16	3.2	79
26	Effects of leptin and melanocortin signaling interactions on pubertal development and reproduction. <i>Endocrinology</i> , 2012 , 153, 2408-19	4.8	77
25	Cholinergic neurons in the dorsomedial hypothalamus regulate food intake. <i>Molecular Metabolism</i> , 2017 , 6, 306-312	8.8	49
24	Cholinergic modulation of appetite-related synapses in mouse lateral hypothalamic slice. <i>Journal of Neuroscience</i> , 2005 , 25, 11133-44	6.6	45
23	Cross-talk between P2X4 and gamma-aminobutyric acid, type A receptors determines synaptic efficacy at a central synapse. <i>Journal of Biological Chemistry</i> , 2011 , 286, 19993-20004	5.4	44
22	Clusterin and LRP2 are critical components of the hypothalamic feeding regulatory pathway. <i>Nature Communications</i> , 2013 , 4, 1862	17.4	43
21	Cholinergic modulation of purinergic and GABAergic co-transmission at in vitro hypothalamic synapses. <i>Journal of Neurophysiology</i> , 2002 , 88, 2501-8	3.2	37

20	Cholinergic neurons in the dorsomedial hypothalamus regulate mouse brown adipose tissue metabolism. <i>Molecular Metabolism</i> , 2015 , 4, 483-92	8.8	36
19	Activation of temperature-sensitive TRPV1-like receptors in ARC POMC neurons reduces food intake. <i>PLoS Biology</i> , 2018 , 16, e2004399	9.7	35
18	A gut-brain axis regulating glucose metabolism mediated by bile acids and competitive fibroblast growth factor actions at the hypothalamus. <i>Molecular Metabolism</i> , 2018 , 8, 37-50	8.8	34
17	Intracellular glycolysis in brown adipose tissue is essential for optogenetically induced nonshivering thermogenesis in mice. <i>Scientific Reports</i> , 2018 , 8, 6672	4.9	34
16	TXNIP in <i>Agrp</i> neurons regulates adiposity, energy expenditure, and central leptin sensitivity. <i>Journal of Neuroscience</i> , 2012 , 32, 9870-7	6.6	33
15	Steroidogenic factor 1 regulates expression of the cannabinoid receptor 1 in the ventromedial hypothalamic nucleus. <i>Molecular Endocrinology</i> , 2008 , 22, 1950-61		28
14	Interplay between glucose and leptin signalling determines the strength of GABAergic synapses at POMC neurons. <i>Nature Communications</i> , 2015 , 6, 6618	17.4	24
13	Single-Cell Gene Expression Analysis of Cholinergic Neurons in the Arcuate Nucleus of the Hypothalamus. <i>PLoS ONE</i> , 2016 , 11, e0162839	3.7	18
12	Transcription factors in the development of medial hypothalamic structures. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2009 , 297, E563-7	6	17
11	pRb is an obesity suppressor in hypothalamus and high-fat diet inhibits pRb in this location. <i>EMBO Journal</i> , 2013 , 32, 844-57	13	16
10	Endogenous BDNF regulates inhibitory synaptic transmission in the ventromedial nucleus of the hypothalamus. <i>Journal of Neurophysiology</i> , 2012 , 107, 42-9	3.2	14
9	Overnight fasting regulates inhibitory tone to cholinergic neurons of the dorsomedial nucleus of the hypothalamus. <i>PLoS ONE</i> , 2013 , 8, e60828	3.7	13
8	Apelin-13 enhances arcuate POMC neuron activity via inhibiting M-current. <i>PLoS ONE</i> , 2015 , 10, e0119457	3.7	12
7	Activation of the ARC-MeA Projection Reduces Food Intake. <i>Frontiers in Neural Circuits</i> , 2020 , 14, 595783	3.5	9
6	The brain-liver connection between BDNF and glucose control. <i>Diabetes</i> , 2013 , 62, 1367-8	0.9	8
5	Optogenetic stimulation of the liver-projecting melanocortineric pathway promotes hepatic glucose production. <i>Nature Communications</i> , 2020 , 11, 6295	17.4	7
4	Why leptin keeps you warm. <i>Molecular Metabolism</i> , 2014 , 3, 779-80	8.8	4
3	Interplay between ionotropic receptors modulates inhibitory synaptic strength. <i>Communicative and Integrative Biology</i> , 2011 , 4, 706-9	1.7	4

2	Electrophysiological characterization of non-NMDA glutamate receptors on cultured intermediate lobe cells of the rat pituitary. <i>Neuroendocrinology</i> , 1996 , 64, 162-8	5.6	4
1	Hydrocarboxylic acid receptor 1 in BAT regulates glucose uptake in mice fed a high-fat diet. <i>PLoS ONE</i> , 2020 , 15, e0228320	3.7	1