Tamas L Horvath

List of Publications by Year
in descending order

252 papers	35,830 citations	4146 87 h-index	3487 182 g-index
280 all docs	280 docs citations	280 times ranked	34030 citing authors

#	Article	IF	Citations
1	Leptin activates anorexigenic POMC neurons through a neural network in the arcuate nucleus. Nature, 2001, 411, 480-484.	27.8	2,008
2	The Distribution and Mechanism of Action of Ghrelin in the CNS Demonstrates a Novel Hypothalamic Circuit Regulating Energy Homeostasis. Neuron, 2003, 37, 649-661.	8.1	1,465
3	Obesity is associated with hypothalamic injury in rodents and humans. Journal of Clinical Investigation, 2012, 122, 153-162.	8.2	1,448
4	The ketone metabolite Î²-hydroxybutyrate blocks NLRP3 inflammasomeâ€“mediated inflammatory disease. Nature Medicine, 2015, 21, 263-269.	30.7	1,400
5	Interacting Appetite-Regulating Pathways in the Hypothalamic Regulation of Body Weight*. Endocrine Reviews, 1999, 20, 68-100.	20.1	1,203
6	Mitochondrial ROS Signaling in Organismal Homeostasis. Cell, 2015, 163, 560-569.	28.9	915
7	Rapid Rewiring of Arcuate Nucleus Feeding Circuits by Leptin. Science, 2004, 304, 110-115.	12.6	890
8	Ghrelin modulates the activity and synaptic input organization of midbrain dopamine neurons while promoting appetite. Journal of Clinical Investigation, 2006, 116, 3229-3239.	8.2	836
9	Ghrelin controls hippocampal spine synapse density and memory performance. Nature Neuroscience, 2006, 9, 381-388.	14.8	738
10	Neuroinvasion of SARS-CoV-2 in human and mouse brain. Journal of Experimental Medicine, 2021, 218, .	8.5	677
11	Agouti-related peptideâ€“expressing neurons are mandatory for feeding. Nature Neuroscience, 2005, 8, 1289-1291.	14.8	663
12	Hypocretin (orexin) activation and synaptic innervation of the locus coeruleus noradrenergic system. Journal of Comparative Neurology, 1999, 415, 145-159.	1.6	636
13	UCP2 mediates ghrelinâ€™s action on NPY/AgRP neurons by lowering free radicals. Nature, 2008, 454, 846-851.	27.8	633
14	A Serotonin-Dependent Mechanism Explains the Leptin Regulation of Bone Mass, Appetite, and Energy Expenditure. Cell, 2009, 138, 976-989.	28.9	565
15	Minireview: Ghrelin and the Regulation of Energy Balanceâ€”A Hypothalamic Perspective. Endocrinology, 2001, 142, 4163-4169.	2.8	523
16	Synaptic Interaction between Hypocretin (Orexin) and Neuropeptide Y Cells in the Rodent and Primate Hypothalamus: A Novel Circuit Implicated in Metabolic and Endocrine Regulations. Journal of Neuroscience, 1999, 19, 1072-1087.	3.6	471
17	Mitofusin 2 in POMC Neurons Connects ER Stress with Leptin Resistance and Energy Imbalance. Cell, 2013, 155, 172-187.	28.9	429
18	Interaction between the Corticotropin-Releasing Factor System and Hypocretins (Orexins): A Novel Circuit Mediating Stress Response. Journal of Neuroscience, 2004, 24, 11439-11448.	3.6	406

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19	SARSâ€“CoV-2 infection of the placenta. Journal of Clinical Investigation, 2020, 130, 4947-4953.	8.2	387
20	Molecular interrogation of hypothalamic organization reveals distinct dopamine neuronal subtypes. Nature Neuroscience, 2017, 20, 176-188.	14.8	384
21	Astrocytic Insulin Signaling Couples Brain Glucose Uptake with Nutrient Availability. Cell, 2016, 166, 867-880.	28.9	382
22	Anorectic estrogen mimics leptin's effect on the rewiring of melanocortin cells and Stat3 signaling in obese animals. Nature Medicine, 2007, 13, 89-94.	30.7	373
23	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
24	Synaptic input organization of the melanocortin system predicts diet-induced hypothalamic reactive gliosis and obesity. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 14875-14880.	7.1	370
25	Vaginal Exposure to Zika Virus during Pregnancy Leads to Fetal Brain Infection. Cell, 2016, 166, 1247-1256.e4.	28.9	347
26	Serotonin Reciprocally Regulates Melanocortin Neurons to Modulate Food Intake. Neuron, 2006, 51, 239-249.	8.1	345
27	Disruption of neural signal transducer and activator of transcription 3 causes obesity, diabetes, infertility, and thermal dysregulation. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 4661-4666.	7.1	341
28	Hypothalamic POMC neurons promote cannabinoid-induced feeding. Nature, 2015, 519, 45-50.	27.8	336
29	Leptin and insulin pathways in POMC and AgRP neurons that modulate energy balance and glucose homeostasis. EMBO Reports, 2012, 13, 1079-1086.	4.5	325
30	Mitochondrial uncoupling proteins in the cns: in support of function and survival. Nature Reviews Neuroscience, 2005, 6, 829-840.	10.2	321
31	Neurobiology of Feeding and Energy Expenditure. Annual Review of Neuroscience, 2007, 30, 367-398.	10.7	312
32	An Oscillatory Switch in mTOR Kinase Activity Sets Regulatory T Cell Responsiveness. Immunity, 2010, 33, 929-941.	14.3	312
33	Neuronal Regulation of Energy Homeostasis: Beyond the Hypothalamus and Feeding. Cell Metabolism, 2015, 22, 962-970.	16.2	304
34	Neonatal Insulin Action Impairs Hypothalamic Neurocircuit Formation in Response to Maternal High-Fat Feeding. Cell, 2014, 156, 495-509.	28.9	299
35	Cannabinoids, opioids and eating behavior: The molecular face of hedonism?. Brain Research Reviews, 2006, 51, 85-107.	9.0	288
36	Enhanced PIP3 signaling in POMC neurons causes KATP channel activation and leads to diet-sensitive obesity. Journal of Clinical Investigation, 2006, 116, 1886-1901.	8.2	281

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37	Leptin signaling in astrocytes regulates hypothalamic neuronal circuits and feeding. Nature Neuroscience, 2014, 17, 908-910.	14.8	268
38	Heterogeneity in the neuropeptide Y-containing neurons of the rat arcuate nucleus: GABAergic and non-GABAergic subpopulations. Brain Research, 1997, 756, 283-286.	2.2	266
39	A Central Thermogenic-like Mechanism in Feeding Regulation: An Interplay between Arcuate Nucleus T3 and UCP2. Cell Metabolism, 2007, 5, 21-33.	16.2	264
40	Zika Virus Disrupts Phospho-TBK1 Localization and Mitosis in Human Neuroepithelial Stem Cells and Radial Glia. Cell Reports, 2016, 16, 2576-2592.	6.4	253
41	Mitochondrial Dynamics Controlled by Mitofusins Regulate Agrp Neuronal Activity and Diet-Induced Obesity. Cell, 2013, 155, 188-199.	28.9	249
42	Ghrelin Promotes and Protects Nigrostriatal Dopamine Function via a UCP2-Dependent Mitochondrial Mechanism. Journal of Neuroscience, 2009, 29, 14057-14065.	3.6	245
43	Peroxisome proliferationâ€“associated control of reactive oxygen species sets melanocortin tone and feeding in diet-induced obesity. Nature Medicine, 2011, 17, 1121-1127.	30.7	239
44	O-GlcNAc Transferase Enables AgRP Neurons to Suppress Browning of White Fat. Cell, 2014, 159, 306-317.	28.9	233
45	Hypothalamic Agrp Neurons Drive Stereotypic Behaviors beyond Feeding. Cell, 2015, 160, 1222-1232.	28.9	217
46	The hardship of obesity: a soft-wired hypothalamus. Nature Neuroscience, 2005, 8, 561-565.	14.8	216
47	Type I interferons instigate fetal demise after Zika virus infection. Science Immunology, 2018, 3, .	11.9	212
48	Evidence for a direct neuronal pathway from the suprachiasmatic nucleus to the gonadotropin-releasing hormone system: Combined tracing and light and electron microscopic immunocytochemical studies. Journal of Comparative Neurology, 1997, 384, 569-579.	1.6	210
49	High-fat feeding promotes obesity via insulin receptor/PI3K-dependent inhibition of SF-1 VMH neurons. Nature Neuroscience, 2011, 14, 911-918.	14.8	205
50	Role of astrocytes, microglia, and tanycytes in brain control of systemic metabolism. Nature Neuroscience, 2019, 22, 7-14.	14.8	200
51	Central Administration of Ghrelin and Agouti-Related Protein (83â€“132) Increases Food Intake and Decreases Spontaneous Locomotor Activity in Rats. Endocrinology, 2004, 145, 4645-4652.	2.8	199
52	Agrp Neurons Mediate Sirt1's Action on the Melanocortin System and Energy Balance: Roles for Sirt1 in Neuronal Firing and Synaptic Plasticity. Journal of Neuroscience, 2010, 30, 11815-11825.	3.6	194
53	Molecular and cellular reorganization of neural circuits in the human lineage. Science, 2017, 358, 1027-1032.	12.6	192
54	Hypothalamic control of energy balance: insights into the role of synaptic plasticity. Trends in Neurosciences, 2013, 36, 65-73.	8.6	190

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55	Input organization and plasticity of hypocretin neurons. Cell Metabolism, 2005, 1, 279-286.	16.2	185
56	Minireview: Ghrelin and the Regulation of Energy Balance--A Hypothalamic Perspective. Endocrinology, 2001, 142, 4163-4169.	2.8	182
57	Uncoupling Protein-2 Is Critical for Nigral Dopamine Cell Survival in a Mouse Model of Parkinson's Disease. Journal of Neuroscience, 2005, 25, 184-191.	3.6	181
58	Mitochondrial uncoupling protein 2 (UCP2) in glucose and lipid metabolism. Trends in Molecular Medicine, 2012, 18, 52-58.	6.7	180
59	Single-cell longitudinal analysis of SARS-CoV-2 infection in human airway epithelium identifies target cells, alterations in gene expression, and cell state changes. PLoS Biology, 2021, 19, e3001143.	5.6	180
60	Uncoupling Protein 2 Prevents Neuronal Death Including that Occurring during Seizures: A Mechanism for Preconditioning. Endocrinology, 2003, 144, 5014-5021.	2.8	177
61	Limitations in anti-obesity drug development: the critical role of hunger-promoting neurons. Nature Reviews Drug Discovery, 2012, 11, 675-691.	46.4	174
62	Regulatory T cells in obesity: the leptin connection. Trends in Molecular Medicine, 2010, 16, 247-256.	6.7	171
63	Brain Uncoupling Protein 2: Uncoupled Neuronal Mitochondria Predict Thermal Synapses in Homeostatic Centers. Journal of Neuroscience, 1999, 19, 10417-10427.	3.6	163
64	Early-Life Experience Reduces Excitation to Stress-Responsive Hypothalamic Neurons and Reprograms the Expression of Corticotropin-Releasing Hormone. Journal of Neuroscience, 2010, 30, 703-713.	3.6	150
65	Evidence that NPY Y1 receptors are involved in stimulation of feeding by orexins (hypocretins) in sated rats. Regulatory Peptides, 2000, 87, 19-24.	1.9	149
66	Loss of Autophagy in Pro-opiomelanocortin Neurons Perturbs Axon Growth and Causes Metabolic Dysregulation. Cell Metabolism, 2012, 15, 247-255.	16.2	149
67	Exercise-Induced Synaptogenesis in the Hippocampus Is Dependent on UCP2-Regulated Mitochondrial Adaptation. Journal of Neuroscience, 2008, 28, 10766-10771.	3.6	147
68	Discovery and functional interrogation of SARS-CoV-2 RNA-host protein interactions. Cell, 2021, 184, 2394-2411.e16.	28.9	141
69	AgRP neurons regulate development of dopamine neuronal plasticity and nonfood-associated behaviors. Nature Neuroscience, 2012, 15, 1108-1110.	14.8	136
70	Estrogen and microglia: A regulatory system that affects the brain. , 1999, 40, 484-496.		135
71	Brain circuits regulating energy homeostasis. Regulatory Peptides, 2008, 149, 3-10.	1.9	129
72	Fuel utilization by hypothalamic neurons: roles for ROS. Trends in Endocrinology and Metabolism, 2009, 20, 78-87.	7.1	129

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73	Mitochondrial dynamics in the central regulation of metabolism. Nature Reviews Endocrinology, 2014, 10, 650-658.	9.6	125
74	Fasting-Induced Increase in Type II Iodothyronine Deiodinase Activity and Messenger Ribonucleic Acid Levels Is Not Reversed by Thyroxine in the Rat Hypothalamus1. Endocrinology, 1998, 139, 2879-2884.	2.8	124
75	Feeding signals and brain circuitry. European Journal of Neuroscience, 2009, 30, 1688-1696.	2.6	121
76	Neuronal control of energy homeostasis. FEBS Letters, 2008, 582, 132-141.	2.8	114
77	Coenzyme Q Induces Nigral Mitochondrial Uncoupling and Prevents Dopamine Cell Loss in a Primate Model of Parkinsonâ€™s Disease. Endocrinology, 2003, 144, 2757-2760.	2.8	112
78	Brain mitochondrial uncoupling protein 2 (UCP2): a protective stress signal in neuronal injury. Biochemical Pharmacology, 2002, 64, 363-367.	4.4	111
79	Mediation of the Acute Stress Response by the Skeleton. Cell Metabolism, 2019, 30, 890-902.e8.	16.2	110
80	Mitochondrial Dynamics Mediated by Mitofusin 1 Is Required for POMC Neuron Glucose-Sensing and Insulin Release Control. Cell Metabolism, 2017, 25, 1390-1399.e6.	16.2	106
81	Fasting Activates the Nonhuman Primate Hypocretin (Orexin) System and Its Postsynaptic Targets. Endocrinology, 2003, 144, 3774-3778.	2.8	105
82	The floating blueprint of hypothalamic feeding circuits. Nature Reviews Neuroscience, 2004, 5, 662-667.	10.2	103
83	Prolonged wakefulness induces experience-dependent synaptic plasticity in mouse hypocretin/orexin neurons. Journal of Clinical Investigation, 2007, 117, 4022-4033.	8.2	103
84	Uncoupling proteinâ€ƒ2 protects dopaminergic neurons from acute 1,2,3,6-methyl-phenyl-tetrahydropyridine toxicity. Journal of Neurochemistry, 2005, 93, 493-501.	3.9	99
85	Thoughts for Food: Brain Mechanisms and Peripheral Energy Balance. Neuron, 2006, 51, 691-702.	8.1	99
86	Uncoupling protein-2 regulates lifespan in mice. American Journal of Physiology - Endocrinology and Metabolism, 2009, 296, E621-E627.	3.5	98
87	Leptin receptors in estrogen receptor-containing neurons of the female rat hypothalamus. Brain Research, 1998, 812, 256-259.	2.2	96
88	A Novel Growth Hormone Secretagogue-1a Receptor Antagonist That Blocks Ghrelin-Induced Growth Hormone Secretion but Induces Increased Body Weight Gain. Neuroendocrinology, 2005, 81, 339-349.	2.5	91
89	Prolongevity hormone FGF21 protects against immune senescence by delaying age-related thymic involution. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 1026-1031.	7.1	91
90	Absence of ANGPTL4 in adipose tissue improves glucose tolerance and attenuates atherogenesis. JCI Insight, 2018, 3, .	5.0	91

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91	Leptin Receptor Immunoreactivity is Associated with the Golgi Apparatus of Hypothalamic Neurones and Glial Cells. Journal of Neuroendocrinology, 1998, 10, 647-650.	2.6	85
92	Insulin regulates POMC neuronal plasticity to control glucose metabolism. ELife, 2018, 7, .	6.0	85
93	Synaptic Plasticity in Energy Balance Regulation. Obesity, 2006, 14, 228S-233S.	3.0	81
94	Estrogen-Induced Hypothalamic Synaptic Plasticity and Pituitary Sensitization in the Control of the Estrogen-Induced Gonadotrophin Surge. Reproductive Sciences, 2007, 14, 101-116.	2.5	80
95	Brown adipose tissue derived ANGPTL4 controls glucose and lipid metabolism and regulates thermogenesis. Molecular Metabolism, 2018, 11, 59-69.	6.5	80
96	Orexin neuronal changes in the locus coeruleus of the aging rhesus macaque. Neurobiology of Aging, 2007, 28, 1286-1295.	3.1	78
97	Caloric restriction of db/db mice reverts hepatic steatosis and body weight with divergent hepatic metabolism. Scientific Reports, 2016, 6, 30111.	3.3	78
98	Mitochondrial uncoupling protein 2 in the central nervous system: neuromodulator and neuroprotector. Biochemical Pharmacology, 2003, 65, 1917-1921.	4.4	77
99	GLP-1 Receptor Signaling in Astrocytes Regulates Fatty Acid Oxidation, Mitochondrial Integrity, and Function. Cell Metabolism, 2020, 31, 1189-1205.e13.	16.2	76
100	Corticosterone Regulates Synaptic Input Organization of POMC and NPY/AgRP Neurons in Adult Mice. Endocrinology, 2010, 151, 5395-5402.	2.8	74
101	The Interactive Language of the Hypothalamus for the Gonadotropin Releasing Hormone (GNRH) System. Journal of Neuroendocrinology, 2003, 9, 569-576.	2.6	73
102	Reproductive aging is associated with changes in oocyte mitochondrial dynamics, function, and mtDNA quantity. Maturitas, 2016, 93, 121-130.	2.4	72
103	Mitochondrial unfolded protein response gene Clpp is required to maintain ovarian follicular reserve during aging, for oocyte competence, and development of preâ€implantation embryos. Aging Cell, 2018, 17, e12784.	6.7	71
104	Mitofusin 1 is required for female fertility and to maintain ovarian follicular reserve. Cell Death and Disease, 2019, 10, 560.	6.3	71
105	Developmental programming of the hypothalamus: a matter of fat. Nature Medicine, 2006, 12, 52-53.	30.7	70
106	Hypothalamic TLR2 triggers sickness behavior via a microglia-neuronal axis. Scientific Reports, 2016, 6, 29424.	3.3	70
107	Obesity-associated hyperleptinemia alters the gliovascular interface of the hypothalamus to promote hypertension. Cell Metabolism, 2021, 33, 1155-1170.e10.	16.2	68
108	Ghrelin as a Potential Anti-Obesity Target. Current Pharmaceutical Design, 2003, 9, 1383-1395.	1.9	68

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109	Novel analogs of ghrelin: physiological and clinical implications. European Journal of Endocrinology, 2004, 151 Suppl 1, S71-S75.	3.7	66
110	Gender-specific apposition between vasoactive intestinal peptide-containing axons and gonadotrophin-releasing hormone-producing neurons in the rat. Brain Research, 1998, 795, 277-281.	2.2	64
111	Overexpression of UCP2 Protects Thalamic Neurons following Global Ischemia in the Mouse. Journal of Cerebral Blood Flow and Metabolism, 2008, 28, 1186-1195.	4.3	64
112	Brain Circuits Regulating Energy Homeostasis. Neuroscientist, 2004, 10, 235-246.	3.5	63
113	Neuroendocrine Interactions between Galanin, Opioids, and Neuropeptide Y in the Control of Reproduction and Appetite a. Annals of the New York Academy of Sciences, 1998, 863, 236-240.	3.8	61
114	Suprachiasmatic Efferents Avoid Phenestrated Capillaries but Innervate Neuroendocrine Cells, Including Those Producing Dopamine*. Endocrinology, 1997, 138, 1312-1320.	2.8	60
115	Regulation of body weight and energy homeostasis by neuronal cell adhesion molecule 1. Nature Neuroscience, 2017, 20, 1096-1103.	14.8	59
116	Naloxone reduces the feeding evoked by intracerebroventricular galanin injection. Physiology and Behavior, 1994, 56, 811-813.	2.1	58
117	Viral Spread to Enteric Neurons Links Genital HSV-1 Infection to Toxic Megacolon and Lethality. Cell Host and Microbe, 2016, 19, 788-799.	11.0	58
118	Kv3.3 Channels Bind Hax-1 and Arp2/3 to Assemble a Stable Local Actin Network that Regulates Channel Gating. Cell, 2016, 165, 434-448.	28.9	57
119	Mitofusin 2 plays a role in oocyte and follicle development, and is required to maintain ovarian follicular reserve during reproductive aging. Aging, 2019, 11, 3919-3938.	3.1	57
120	Endocannabinoids and the regulation of body fat: the smoke is clearing. Journal of Clinical Investigation, 2003, 112, 323-326.	8.2	57
121	Obesity and the Neuroendocrine Control of Energy Homeostasis: The Role of Spontaneous Locomotor Activity. Journal of Nutrition, 2005, 135, 1314-1319.	2.9	56
122	Ageâ€related calcium dysregulation linked with tau pathology and impaired cognition in nonâ€human primates. Alzheimer's and Dementia, 2021, 17, 920-932.	0.8	55
123	An Alternate Pathway for Visual Signal Integration into the Hypothalamo-Pituitary Axis: Retinorecipient Intergeniculate Neurons Project to Various Regions of the Hypothalamus and Innervate Neuroendocrine Cells Including Those Producing Dopamine. Journal of Neuroscience, 1998, 18, 1546-1558.	3.6	54
124	Altered Cortical and Hippocampal Excitability in TgF344-AD Rats Modeling Alzheimerâ€™s Disease Pathology. Cerebral Cortex, 2019, 29, 2716-2727.	2.9	54
125	The role of mitochondrial uncoupling proteins in lifespan. Pflugers Archiv European Journal of Physiology, 2010, 459, 269-275.	2.8	53
126	HSV-2 enhances ZIKV infection of the placenta and induces apoptosis in first-trimester trophoblast cells. American Journal of Reproductive Immunology, 2016, 76, 348-357.	1.2	53

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127	Ucp2 Induced by Natural Birth Regulates Neuronal Differentiation of the Hippocampus and Related Adult Behavior. PLoS ONE, 2012, 7, e42911.	2.5	52
128	Monosynaptic Pathway Between the Arcuate Nucleus Expressing Glial Type II Iodothyronine 5â€²-Deiodinase mRNA and the Median Eminence-Projective TRH Cells of the Rat Paraventricular Nucleus. Journal of Neuroendocrinology, 2001, 10, 731-742.	2.6	51
129	Luteinizing Hormone-Releasing Hormone and Gamma-Aminobutyric Acid Neurons in the Medial Preoptic Area are Synaptic Targets of Dopamine Axons Originating in Anterior Periventricular Areas. Journal of Neuroendocrinology, 1993, 5, 71-79.	2.6	50
130	Synaptic Plasticity of Feeding Circuits: Hormones and Hysteresis. Cell, 2011, 146, 863-865.	28.9	50
131	Cortical Glial Fibrillary Acidic Protein-Positive Cells Generate Neurons after Perinatal Hypoxic Injury. Journal of Neuroscience, 2011, 31, 9205-9221.	3.6	50
132	Mitochondrial unfolded protein response: a stress response with implications for fertility and reproductive aging. Fertility and Sterility, 2019, 111, 197-204.	1.0	50
133	Mitofusin 2 in Mature Adipocytes Controls Adiposity and Body Weight. Cell Reports, 2019, 26, 2849-2858.e4.	6.4	50
134	PPARÎ³ ablation sensitizes proopiomelanocortin neurons to leptin during high-fat feeding. Journal of Clinical Investigation, 2014, 124, 4017-4027.	8.2	50
135	AgRP Neurons Regulate Bone Mass. Cell Reports, 2015, 13, 8-14.	6.4	48
136	The role of astrocytes in the hypothalamic response and adaptation to metabolic signals. Progress in Neurobiology, 2016, 144, 68-87.	5.7	47
137	Function and Dysfunction of Hypocretin/Orexin: An Energetics Point of View. Annual Review of Neuroscience, 2014, 37, 101-116.	10.7	46
138	The 7q11.23 Protein DNAJC30 Interacts with ATP Synthase and Links Mitochondria to Brain Development. Cell, 2018, 175, 1088-1104.e23.	28.9	46
139	Hepatocyte-specific suppression of ANGPTL4 improves obesity-associated diabetes and mitigates atherosclerosis in mice. Journal of Clinical Investigation, 2021, 131, .	8.2	46
140	Lack of Gonadotropin-Positive Feedback in the Male Rat Is Associated with Lack of Estrogen-Induced Synaptic Plasticity in the Arcuate Nucleus. Neuroendocrinology, 1997, 65, 136-140.	2.5	45
141	Mitochondrial Uncoupling Protein 2 (UCP2) in the Nonhuman Primate Brain and Pituitary**This work was supported by NSF Grant IBN-9728581, NIH Grants NS-36111, MH-59847, RR-00163, HD-29186, and HD-37186.. Endocrinology, 2000, 141, 4226-4238.	2.8	45
142	AgRP neurons control compulsive exercise and survival in an activity-based anorexia model. Nature Metabolism, 2020, 2, 1204-1211.	11.9	45
143	Uncoupling Protein-2 Decreases the Lipogenic Actions of Ghrelin. Endocrinology, 2010, 151, 2078-2086.	2.8	44
144	CD301b + Mononuclear Phagocytes Maintain Positive Energy Balance through Secretion of Resistin-like Molecule Alpha. Immunity, 2016, 45, 583-596.	14.3	44

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145	Fetal Growth Restriction Caused by Sexual Transmission of Zika Virus in Mice. Journal of Infectious Diseases, 2017, 215, 1720-1724.	4.0	44
146	Repeated in vivo exposure of cocaine induces longâ€lasting synaptic plasticity in hypocretin/orexinâ€producing neurons in the lateral hypothalamus in mice. Journal of Physiology, 2013, 591, 1951-1966.	2.9	43
147	Morphological Evidence for a Galanin-Opiate Interaction in the Rat Mediobasal Hypothalamus. Journal of Neuroendocrinology, 1995, 7, 579-588.	2.6	41
148	Tracing of the entorhinal-hippocampal pathway in vitro. , 1998, 8, 57-68.		41
149	Antibodies to cannabinoid type 1 receptor coâ€react with stomatinâ€like protein 2 in mouse brain mitochondria. European Journal of Neuroscience, 2013, 38, 2341-2348.	2.6	39
150	Hunger-promoting AgRP neurons trigger an astrocyte-mediated feed-forward autoactivation loop in mice. Journal of Clinical Investigation, 2021, 131, .	8.2	38
151	Adiponectin preserves metabolic fitness during aging. ELife, 2021, 10, .	6.0	37
152	Ketogenic diet restrains aging-induced exacerbation of coronavirus infection in mice. ELife, 2021, 10, .	6.0	37
153	Segregation of the intra- and extrahypothalamic neuropeptide Y and catecholaminergic inputs on paraventricular neurons, including those producing thyrotropin-releasing hormone. Regulatory Peptides, 1998, 75-76, 117-126.	1.9	36
154	Uncoupling protein-2 promotes nigrostriatal dopamine neuronal function. European Journal of Neuroscience, 2006, 24, 32-36.	2.6	35
155	Kainate Glutamate Receptors (GluR5â€“7) in the Rat Arcuate Nucleus: Relationship to Tanycytes, Astrocytes, Neurons and Gonadal Steroid Receptors. Journal of Neuroendocrinology, 1998, 10, 239-247.	2.6	35
156	Ghrelin is Supressed by Intravenous Alcohol and is Related to Stimulant and Sedative Effects of Alcohol. Alcohol and Alcoholism, 2017, 52, 431-438.	1.6	35
157	Ghrelin is Related to Personality Differences in Reward Sensitivity and Impulsivity. Alcohol and Alcoholism, 2018, 53, 52-56.	1.6	35
158	Therapy for Alzheimerâ€™s disease: Missing targets and functional markers?. Ageing Research Reviews, 2021, 68, 101318.	10.9	34
159	Aromatase in axonal processes of early postnatal hypothalamic and limbic areas including the cingulate cortex. Journal of Steroid Biochemistry and Molecular Biology, 1997, 61, 349-357.	2.5	33
160	Estrogen receptor-Ã in the raphe serotonergic and supramammillary area calretinin-containing neurons of the female rat. Experimental Brain Research, 1999, 128, 417-420.	1.5	33
161	Ghrelin in Hypothalamic Regulation of Energy Balance. Current Topics in Medicinal Chemistry, 2003, 3, 921-927.	2.1	33
162	Hypothalamic <scp>CNTF</scp> volume transmission shapes cortical noradrenergic excitability upon acute stress. EMBO Journal, 2018, 37, .	7.8	33

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163	Mitochondrial cristae-remodeling protein OPA1 in POMC neurons couples Ca2+ homeostasis with adipose tissue lipolysis. Cell Metabolism, 2021, 33, 1820-1835.e9.	16.2	32
164	Uncoupling protein 2 (UCP2) lowers alcohol sensitivity and pain threshold. Biochemical Pharmacology, 2002, 64, 369-374.	4.4	31
165	(S)Pot on Mitochondria: Cannabinoids Disrupt Cellular Respiration to Limit Neuronal Activity. Cell Metabolism, 2017, 25, 8-10.	16.2	31
166	Hunger-promoting hypothalamic neurons modulate effector and regulatory T-cell responses. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 6193-6198.	7.1	29
167	Neurophysiological signals as predictive translational biomarkers for Alzheimerâ€™s disease treatment: effects of donepezil on neuronal network oscillations in TgF344-AD rats. Alzheimer's Research and Therapy, 2018, 10, 105.	6.2	29
168	A GABA-neuropeptide Y (NPY) interplay in LH release. Peptides, 2001, 22, 473-481.	2.4	26
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