

Malcolm J Low

List of Publications by Year in Descending Order

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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.

166
papers

14,945
citations

56
h-index

121
g-index

177
ext. papers

16,119
ext. citations

8.5
avg, IF

5.96
L-index

#	Paper	IF	Citations
166	Mice lacking PC1/3 expression in POMC-expressing cells do not develop obesity. <i>Endocrinology</i> , 2021 ,	4.8	1
165	Adult-born proopiomelanocortin neurons derived from Rax-expressing precursors mitigate the metabolic effects of congenital hypothalamic proopiomelanocortin deficiency. <i>Molecular Metabolism</i> , 2021 , 53, 101312	8.8	0
164	Hypothalamic POMC deficiency increases circulating adiponectin despite obesity. <i>Molecular Metabolism</i> , 2020 , 35, 100957	8.8	7
163	The transcriptional regulator PRDM12 is critical for Pomc expression in the mouse hypothalamus and controlling food intake, adiposity, and body weight. <i>Molecular Metabolism</i> , 2020 , 34, 43-53	8.8	3
162	Expression of a hypomorphic Pomc allele alters leptin dynamics during late pregnancy. <i>Journal of Endocrinology</i> , 2020 , 245, 115-127	4.7	3
161	SAT-299 Chronic Treatment Of Juvenile Hypothalamic Pomc-deficient Mice With RM-493 Prevents The Development Of Obesity. <i>Journal of the Endocrine Society</i> , 2020 , 4,	0.4	78
160	OR16-03 Metabolic Effects Of Hypothalamic Pomc Neurons Generated Postnatally From Tanycytes On A Pomc Null Genetic Background. <i>Journal of the Endocrine Society</i> , 2020 , 4,	0.4	78
159	Decreased sensitivity to the anorectic effects of leptin in mice that lack a Pomc-specific neural enhancer. <i>PLoS ONE</i> , 2020 , 15, e0244793	3.7	1
158	Sex differences in the effect of bupropion and naltrexone combination on alcohol drinking in mice. <i>Pharmacology Biochemistry and Behavior</i> , 2019 , 181, 28-36	3.9	8
157	The Homeodomain Transcription Factor NKX2.1 Is Essential for the Early Specification of Melanocortin Neuron Identity and Activates Expression in the Developing Hypothalamus. <i>Journal of Neuroscience</i> , 2019 , 39, 4023-4035	6.6	10
156	2019 ,		3
155	Nuclear transcriptional changes in hypothalamus of Pomc enhancer knockout mice after excessive alcohol drinking. <i>Genes, Brain and Behavior</i> , 2019 , 18, e12600	3.6	7
154	Reduced Stability and pH-Dependent Activity of a Common Obesity-Linked PCSK1 Polymorphism, N221D. <i>Endocrinology</i> , 2019 , 160, 2630-2645	4.8	4
153	Selective Restoration of Expression in Glutamatergic POMC Neurons: Evidence for a Dynamic Hypothalamic Neurotransmitter Network. <i>ENeuro</i> , 2019 , 6,	3.9	13
152	Hypothalamic POMC or MC4R deficiency impairs counterregulatory responses to hypoglycemia in mice. <i>Molecular Metabolism</i> , 2019 , 20, 194-204	8.8	12
151	Ruboxistaurin Reduces Cocaine-Stimulated Increases in Extracellular Dopamine by Modifying Dopamine-Autoreceptor Activity. <i>ACS Chemical Neuroscience</i> , 2019 , 10, 1960-1969	5.7	11
150	Hypothalamic ER-associated degradation regulates POMC maturation, feeding, and age-associated obesity. <i>Journal of Clinical Investigation</i> , 2018 , 128, 1125-1140	15.9	26

149	17β-Estradiol acts through hypothalamic pro-opiomelanocortin expressing neurons to reduce feeding behavior. <i>Aging Cell</i> , 2018 , 17, e12703	9.9	21
148	V1b Receptor Antagonist SSR149415 and Naltrexone Synergistically Decrease Excessive Alcohol Drinking in Male and Female Mice. <i>Alcoholism: Clinical and Experimental Research</i> , 2018 , 42, 195-205	3.7	12
147	Electrical stimulation of renal nerves for modulating urine glucose excretion in rats. <i>Bioelectronic Medicine</i> , 2018 , 4, 7	5.4	3
146	Lorcaserin improves glycemic control via a melanocortin neurocircuit. <i>Molecular Metabolism</i> , 2017 , 6, 1092-1102	8.8	26
145	Reduced renal sympathetic nerve activity contributes to elevated glycosuria and improved glucose tolerance in hypothalamus-specific Pomc knockout mice. <i>Molecular Metabolism</i> , 2017 , 6, 1274-1285	8.8	20
144	Molecular and functional genetics of the proopiomelanocortin gene, food intake regulation and obesity. <i>FEBS Letters</i> , 2017 , 591, 2593-2606	3.8	21
143	Gastrin Induces Nuclear Export and Proteasome Degradation of Menin in Enteric Glial Cells. <i>Gastroenterology</i> , 2017 , 153, 1555-1567.e15	13.3	14
142	Somatostatin triggers rhythmic electrical firing in hypothalamic GHRH neurons. <i>Scientific Reports</i> , 2016 , 6, 24394	4.9	12
141	Brain Regulation of Feeding and Energy Homeostasis 2016 , 347-368		2
140	Hypothalamic POMC Deficiency Improves Glucose Tolerance Despite Insulin Resistance by Increasing Glycosuria. <i>Diabetes</i> , 2016 , 65, 660-72	0.9	34
139	Neuroendocrinology 2016 , 109-175		2
138	Essential function of the transcription factor Rax in the early patterning of the mammalian hypothalamus. <i>Developmental Biology</i> , 2016 , 416, 212-224	3.1	21
137	Sex difference in physical activity, energy expenditure and obesity driven by a subpopulation of hypothalamic POMC neurons. <i>Molecular Metabolism</i> , 2016 , 5, 245-252	8.8	51
136	Neuroendocrinology: New hormone treatment for obesity caused by POMC-deficiency. <i>Nature Reviews Endocrinology</i> , 2016 , 12, 627-628	15.2	6
135	Reprogramming the body weight set point by a reciprocal interaction of hypothalamic leptin sensitivity and Pomc gene expression reverts extreme obesity. <i>Molecular Metabolism</i> , 2016 , 5, 869-881	8.8	29
134	Partially redundant enhancers cooperatively maintain Mammalian pomc expression above a critical functional threshold. <i>PLoS Genetics</i> , 2015 , 11, e1004935	6	69
133	Islet 1 specifies the identity of hypothalamic melanocortin neurons and is critical for normal food intake and adiposity in adulthood. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, E1861-70	11.5	40
132	Brain Regulation of Feeding and Energy Homeostasis 2015 , 1-25		

131	Rapid Glucocorticoid Feedback Inhibition of ACTH Secretion Involves Ligand-Dependent Membrane Association of Glucocorticoid Receptors. <i>Endocrinology</i> , 2015 , 156, 3215-27	4.8	47
130	Gene expression profiling reveals a possible role for somatostatin in the innate immune response of the liver. <i>Genomics Data</i> , 2015 , 5, 42-45		0
129	Somatostatin is essential for the sexual dimorphism of GH secretion, corticosteroid-binding globulin production, and corticosterone levels in mice. <i>Endocrinology</i> , 2015 , 156, 1052-65	4.8	27
128	Conditional expression of Pomc in the Lepr-positive subpopulation of POMC neurons is sufficient for normal energy homeostasis and metabolism. <i>Endocrinology</i> , 2015 , 156, 1292-302	4.8	30
127	Temporal changes in nutritional state affect hypothalamic POMC peptide levels independently of leptin in adult male mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2014 , 306, E904-15	6	21
126	Glucose rapidly induces different forms of excitatory synaptic plasticity in hypothalamic POMC neurons. <i>PLoS ONE</i> , 2014 , 9, e105080	3.7	15
125	5-HT obesity medication efficacy via POMC activation is maintained during aging. <i>Endocrinology</i> , 2014 , 155, 3732-8	4.8	31
124	Enhancer turnover and conserved regulatory function in vertebrate evolution. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2013 , 368, 20130027	5.8	27
123	Central dopamine D2 receptors regulate growth-hormone-dependent body growth and pheromone signaling to conspecific males. <i>Journal of Neuroscience</i> , 2013 , 33, 5834-42	6.6	33
122	Unraveling the central proopiomelanocortin neural circuits. <i>Frontiers in Neuroscience</i> , 2013 , 7, 19	5.1	69
121	Mouse models in gastroenterology research. <i>Gastroenterology</i> , 2012 , 143, 1410-2	13.3	5
120	Neural Control of the Intermediate Lobe of the Pituitary Gland (Pars Intermedia) and Proopiomelanocortin 2012 , 157-173		
119	Positive selection of co-opted mobile genetic elements in a mammalian gene: If you can't beat them, join them. <i>Mobile Genetic Elements</i> , 2012 , 2, 106-109		4
118	Obesity-programmed mice are rescued by early genetic intervention. <i>Journal of Clinical Investigation</i> , 2012 , 122, 4203-12	15.9	78
117	Cocaine supersensitivity and enhanced motivation for reward in mice lacking dopamine D2 autoreceptors. <i>Nature Neuroscience</i> , 2011 , 14, 1033-8	25.5	246
116	The smoking gun in nicotine-induced anorexia. <i>Cell Metabolism</i> , 2011 , 14, 145-7	24.6	2
115	The estrogen receptor α localizes with proopiomelanocortin in hypothalamic neurons and binds to a conserved motif present in the neuron-specific enhancer nPE2. <i>European Journal of Pharmacology</i> , 2011 , 660, 181-7	5.3	56
114	Meal pattern analysis in neural-specific proopiomelanocortin-deficient mice. <i>European Journal of Pharmacology</i> , 2011 , 660, 131-8	5.3	19

113	Convergent evolution of two mammalian neuronal enhancers by sequential exaptation of unrelated retroposons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 15270-5	11.5	58
112	Reciprocal regulation of TREK-1 channels by arachidonic acid and CRH in mouse corticotropes. <i>Endocrinology</i> , 2011 , 152, 1901-10	4.8	26
111	Agnostic about in vivo inverse agonism of agouti-related peptide. <i>Endocrinology</i> , 2011 , 152, 1731-3	4.8	5
110	Neuroendocrinology 2011 , 103-174		5
109	Neurotransmitter modulation of the GHRH-GH axis. <i>Frontiers of Hormone Research</i> , 2010 , 38, 59-69	3.5	10
108	beta-Endorphin expression in the mouse retina. <i>Journal of Comparative Neurology</i> , 2010 , 518, 3130-48	3.4	16
107	Somatostatin secreted by islet delta-cells fulfills multiple roles as a paracrine regulator of islet function. <i>Diabetes</i> , 2009 , 58, 403-11	0.9	208
106	Proopiomelanocortin expression in both GABA and glutamate neurons. <i>Journal of Neuroscience</i> , 2009 , 29, 13684-90	6.6	122
105	A tale of two carboxypeptidases. <i>Cell Metabolism</i> , 2009 , 10, 339-41	24.6	1
104	In vivo evidence for inverse agonism of Agouti-related peptide in the central nervous system of proopiomelanocortin-deficient mice. <i>Diabetes</i> , 2008 , 57, 86-94	0.9	80
103	Contributions of dopamine D1, D2, and D3 receptor subtypes to the disruptive effects of cocaine on prepulse inhibition in mice. <i>Neuropsychopharmacology</i> , 2008 , 33, 2648-56	8.7	43
102	Signal transducer and activator of transcription-3 is required in hypothalamic agouti-related protein/neuropeptide Y neurons for normal energy homeostasis. <i>Endocrinology</i> , 2008 , 149, 3346-54	4.8	64
101	Role of dopamine D1 and D2 receptors in CRF-induced disruption of sensorimotor gating. <i>Pharmacology Biochemistry and Behavior</i> , 2007 , 86, 550-8	3.9	17
100	Ancient exaptation of a CORE-SINE retroposon into a highly conserved mammalian neuronal enhancer of the proopiomelanocortin gene. <i>PLoS Genetics</i> , 2007 , 3, 1813-26	6	103
99	Central dysregulation of the hypothalamic-pituitary-adrenal axis in neuron-specific proopiomelanocortin-deficient mice. <i>Endocrinology</i> , 2007 , 148, 647-59	4.8	19
98	Transcriptional regulation of pituitary POMC is conserved at the vertebrate extremes despite great promoter sequence divergence. <i>Molecular Endocrinology</i> , 2007 , 21, 2738-49		22
97	Delineation of a novel direct pathway from the hypothalamic proopiomelanocortin (POMC) neurons projecting to the brainstem raphe pallidus (RPa) melanocortin 4 receptor (MC4R) neurons. <i>FASEB Journal</i> , 2007 , 21, A460	0.9	
96	Dopaminergic D2 receptor knockout mouse: an animal model of prolactinoma. <i>Frontiers of Hormone Research</i> , 2006 , 35, 50-63	3.5	27

95	Differential contributions of dopamine D1, D2, and D3 receptors to MDMA-induced effects on locomotor behavior patterns in mice. <i>Neuropsychopharmacology</i> , 2006 , 31, 2349-58	8.7	85
94	GH in the dwarf dopaminergic D2 receptor knockout mouse: somatotrope population, GH release, and responsiveness to GH-releasing factors and somatostatin. <i>Journal of Endocrinology</i> , 2006 , 190, 611-9	4.7	21
93	Should you count your mice before they're weaned? Start counting. <i>Lab Animal</i> , 2006 , 35, 17	0.4	
92	Reduced basal and ethanol stimulation of striatal extracellular dopamine concentrations in dopamine D2 receptor knockout mice. <i>Synapse</i> , 2006 , 60, 158-64	2.4	10
91	Glucocorticoids exacerbate obesity and insulin resistance in neuron-specific proopiomelanocortin-deficient mice. <i>Journal of Clinical Investigation</i> , 2006 , 116, 495-505	15.9	79
90	Naloxone suppression of spontaneous and food-conditioned locomotor activity is diminished in mice lacking either the dopamine D(2) receptor or enkephalin. <i>Molecular Brain Research</i> , 2005 , 140, 91-8		13
89	Subfunctionalization of expression and peptide domains following the ancient duplication of the proopiomelanocortin gene in teleost fishes. <i>Molecular Biology and Evolution</i> , 2005 , 22, 2417-27	8.3	81
88	Preservation of eumelanin hair pigmentation in proopiomelanocortin-deficient mice on a nonagouti (a/a) genetic background. <i>Endocrinology</i> , 2005 , 146, 1245-53	4.8	100
87	Differential regulation of synaptic inputs by constitutively released endocannabinoids and exogenous cannabinoids. <i>Journal of Neuroscience</i> , 2005 , 25, 9746-51	6.6	123
86	Proopiomelanocortin neurons in nucleus tractus solitarius are activated by visceral afferents: regulation by cholecystikinin and opioids. <i>Journal of Neuroscience</i> , 2005 , 25, 3578-85	6.6	140
85	Identification of neuronal enhancers of the proopiomelanocortin gene by transgenic mouse analysis and phylogenetic footprinting. <i>Molecular and Cellular Biology</i> , 2005 , 25, 3076-86	4.8	71
84	GABA release from proopiomelanocortin neurons. <i>Journal of Neuroscience</i> , 2004 , 24, 1578-83	6.6	120
83	A transgenic marker for newly born granule cells in dentate gyrus. <i>Journal of Neuroscience</i> , 2004 , 24, 3251-9	6.6	171
82	Operant self-administration of ethanol in C57BL/6 mice lacking beta-endorphin and enkephalin. <i>Pharmacology Biochemistry and Behavior</i> , 2004 , 79, 171-81	3.9	25
81	Comparative phenotypic resolution of spontaneous, D2-like and D1-like agonist-induced orofacial movement topographies in congenic mutants with dopamine D2 vs. D3 receptor "knockout". <i>Synapse</i> , 2004 , 51, 71-81	2.4	19
80	Strategies for cellular identification in nucleus tractus solitarius slices. <i>Journal of Neuroscience Methods</i> , 2004 , 137, 37-48	3	53
79	Genes, environment, neuroendocrine circuits, and energy balance. <i>Drug Discovery Today: Disease Models</i> , 2004 , 1, 365-372	1.3	1
78	Clinical endocrinology and metabolism. The somatostatin neuroendocrine system: physiology and clinical relevance in gastrointestinal and pancreatic disorders. <i>Best Practice and Research in Clinical Endocrinology and Metabolism</i> , 2004 , 18, 607-22	6.5	77

77	Altered Patterns of Growth Hormone Secretion in Somatostatin Knockout Mice 2004 , 65-80		1
76	Treatment of Helicobacter gastritis with IL-4 requires somatostatin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 12944-9	11.5	83
75	A role for the endogenous opioid beta-endorphin in energy homeostasis. <i>Endocrinology</i> , 2003 , 144, 1753-160	4.0	129
74	Hypothalamic proopiomelanocortin neurons are glucose responsive and express K(ATP) channels. <i>Endocrinology</i> , 2003 , 144, 1331-40	4.8	304
73	Somatostatin 2003 , 379-388		1
72	Effects of a Drd2 deletion mutation on ethanol-induced locomotor stimulation and sensitization suggest a role for epistasis. <i>Behavior Genetics</i> , 2003 , 33, 311-24	3.2	45
71	Cocaine-induced locomotor activity and cocaine discrimination in dopamine D4 receptor mutant mice. <i>Psychopharmacology</i> , 2003 , 170, 108-14	4.7	37
70	The mapping of quantitative trait loci underlying strain differences in locomotor activity between 129S6 and C57BL/6J mice. <i>Mammalian Genome</i> , 2003 , 14, 692-702	3.2	32
69	Transgenic mice engineered to target Cre/loxP-mediated DNA recombination into catecholaminergic neurons. <i>Genesis</i> , 2003 , 36, 196-202	1.9	41
68	Central serotonin and melanocortin pathways regulating energy homeostasis. <i>Annals of the New York Academy of Sciences</i> , 2003 , 994, 169-74	6.5	136
67	State-dependent modulation of feeding behavior by proopiomelanocortin-derived beta-endorphin. <i>Annals of the New York Academy of Sciences</i> , 2003 , 994, 192-201	6.5	35
66	Lack of proopiomelanocortin peptides results in obesity and defective adrenal function but normal melanocyte pigmentation in the murine C57BL/6 genetic background. <i>Annals of the New York Academy of Sciences</i> , 2003 , 994, 202-10	6.5	50
65	The distribution and mechanism of action of ghrelin in the CNS demonstrates a novel hypothalamic circuit regulating energy homeostasis. <i>Neuron</i> , 2003 , 37, 649-61	13.9	1299
64	Involvement of bone morphogenetic protein 4 (BMP-4) in pituitary prolactinoma pathogenesis through a Smad/estrogen receptor crosstalk. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 1034-9	11.5	154
63	Failure of intravenous morphine to serve as an effective instrumental reinforcer in dopamine D2 receptor knock-out mice. <i>Journal of Neuroscience</i> , 2002 , 22, RC224	6.6	75
62	Selective reward deficit in mice lacking beta-endorphin and enkephalin. <i>Journal of Neuroscience</i> , 2002 , 22, 8251-8	6.6	121
61	Increased splenocyte proliferative response and cytokine production in beta-endorphin-deficient mice. <i>Journal of Neuroimmunology</i> , 2002 , 131, 126-34	3.5	31
60	Cocaine-induced locomotor activity and cocaine discrimination in dopamine D2 receptor mutant mice. <i>Psychopharmacology</i> , 2002 , 163, 54-61	4.7	58

59	Absence of dopamine D4 receptors results in enhanced reactivity to unconditioned, but not conditioned, fear. <i>European Journal of Neuroscience</i> , 2002 , 15, 158-64	3.5	75
58	Heightened seizure severity in somatostatin knockout mice. <i>Epilepsy Research</i> , 2002 , 48, 43-56	3	52
57	Gut hormone PYY(3-36) physiologically inhibits food intake. <i>Nature</i> , 2002 , 418, 650-4	50.4	1812
56	Brain somatostatin receptors are up-regulated in somatostatin-deficient mice. <i>Molecular Endocrinology</i> , 2002 , 16, 1951-63		53
55	Thrittene, homologous with somatostatin-28((1-13)), is a novel peptide in mammalian gut and circulation. <i>Endocrinology</i> , 2002 , 143, 2599-609	4.8	15
54	Activation of central melanocortin pathways by fenfluramine. <i>Science</i> , 2002 , 297, 609-11	33.3	408
53	Dysfunctional light-evoked regulation of cAMP in photoreceptors and abnormal retinal adaptation in mice lacking dopamine D4 receptors. <i>Journal of Neuroscience</i> , 2002 , 22, 2063-73	6.6	92
52	Differential effects of direct and indirect dopamine agonists on prepulse inhibition: a study in D1 and D2 receptor knock-out mice. <i>Journal of Neuroscience</i> , 2002 , 22, 9604-11	6.6	95
51	Lack of prolactin receptor signaling in mice results in lactotroph proliferation and prolactinomas by dopamine-dependent and -independent mechanisms. <i>Journal of Clinical Investigation</i> , 2002 , 110, 973-981	15.9	88
50	Lack of prolactin receptor signaling in mice results in lactotroph proliferation and prolactinomas by dopamine-dependent and -independent mechanisms. <i>Journal of Clinical Investigation</i> , 2002 , 110, 973-81	15.9	34
49	Analysis of Dopamine D4 Receptor Function in Gene Knockout Mice: A Role in Cortical Excitability. <i>Advances in Behavioral Biology</i> , 2002 , 171-174		
48	Constitutive expression of functional GABA(B) receptors in mL-tsA58 cells requires both GABA(B(1)) and GABA(B(2)) genes. <i>Journal of Neurochemistry</i> , 2001 , 77, 1237-47	6	22
47	The D2 receptor is critical in mediating opiate motivation only in opiate-dependent and withdrawn mice. <i>European Journal of Neuroscience</i> , 2001 , 13, 995-1001	3.5	44
46	Leptin activates anorexigenic POMC neurons through a neural network in the arcuate nucleus. <i>Nature</i> , 2001 , 411, 480-4	50.4	1740
45	Comparative, topographically-based evaluation of behavioural phenotype and specification of D(1)-like:D(2) interactions in a line of incipient congenic mice with D(2) dopamine receptor knockout. <i>Neuropsychopharmacology</i> , 2001 , 25, 527-36	8.7	34
44	The effect of naloxone on operant behavior for food reinforcers in DBA/2 mice. <i>Brain Research Bulletin</i> , 2001 , 56, 537-43	3.9	28
43	Dopamine D4 receptor-deficient mice display cortical hyperexcitability. <i>Journal of Neuroscience</i> , 2001 , 21, 3756-63	6.6	116
42	Somatostatin is required for masculinization of growth hormone-regulated hepatic gene expression but not of somatic growth. <i>Journal of Clinical Investigation</i> , 2001 , 107, 1571-80	15.9	130

41	Spontaneous and Induced Genetic Mutations of The Pomc System. <i>Growth Hormone</i> , 2001 , 175-194		
40	Transgenic Analysis of the Proopiomelanocortin Neuroendocrine System 2001 , 319-337		
39	Quantitative analysis of the dopamine D4 receptor in the mouse brain 2000 , 59, 202-208		26
38	Abnormal adaptations to stress and impaired cardiovascular function in mice lacking corticotropin-releasing hormone receptor-2. <i>Nature Genetics</i> , 2000 , 24, 403-9	36.3	522
37	Naltrexone and alcohol drinking in mice lacking beta-endorphin by site-directed mutagenesis. <i>Pharmacology Biochemistry and Behavior</i> , 2000 , 67, 759-66	3.9	24
36	Ethanol-conditioned place preference is reduced in dopamine D2 receptor-deficient mice. <i>Pharmacology Biochemistry and Behavior</i> , 2000 , 67, 693-9	3.9	107
35	Lack of operant ethanol self-administration in dopamine D2 receptor knockout mice. <i>Psychopharmacology</i> , 2000 , 152, 343-50	4.7	85
34	Functional uncoupling of adenosine A(2A) receptors and reduced response to caffeine in mice lacking dopamine D2 receptors. <i>Journal of Neuroscience</i> , 2000 , 20, 5949-57	6.6	80
33	Effect of the mu-opioid agonist DAMGO on medial basal hypothalamic neurons in beta-endorphin knockout mice. <i>Neuroendocrinology</i> , 2000 , 72, 208-17	5.6	22
32	Selective increase of Nurr1 mRNA expression in mesencephalic dopaminergic neurons of D2 dopamine receptor-deficient mice. <i>Molecular Brain Research</i> , 2000 , 80, 1-6		17
31	Transgenic Approaches to Study Developmental Expression and Regulation of the Gonadotropin Genes 2000 , 217-237		
30	The dopamine D2, but not D3 or D4, receptor subtype is essential for the disruption of prepulse inhibition produced by amphetamine in mice. <i>Journal of Neuroscience</i> , 1999 , 19, 4627-33	6.6	158
29	Dopamine D4 receptor-knock-out mice exhibit reduced exploration of novel stimuli. <i>Journal of Neuroscience</i> , 1999 , 19, 9550-6	6.6	356
28	Pituitary lactotroph adenomas develop after prolonged lactotroph hyperplasia in dopamine D2 receptor-deficient mice. <i>Endocrinology</i> , 1999 , 140, 5348-55	4.8	137
27	Dopamine D2 receptor-deficient mice exhibit decreased dopamine transporter function but no changes in dopamine release in dorsal striatum. <i>Journal of Neurochemistry</i> , 1999 , 72, 148-56	6	179
26	K+ channel modulation in rodent neurohypophysial nerve terminals by sigma receptors and not by dopamine receptors. <i>Journal of Physiology</i> , 1999 , 517 (Pt 2), 391-406	3.9	53
25	Ethanol oral self-administration is increased in mutant mice with decreased beta-endorphin expression. <i>Brain Research</i> , 1999 , 835, 62-7	3.7	77
24	Targeted mutagenesis of the murine opioid system. <i>Results and Problems in Cell Differentiation</i> , 1999 , 26, 169-91	1.4	8

23	Alcohol preference and sensitivity are markedly reduced in mice lacking dopamine D2 receptors. <i>Nature Neuroscience</i> , 1998 , 1, 610-5	25.5	213
22	Intravenous Self-Administration of Ethanol in μ Endorphin-Deficient Mice. <i>Alcoholism: Clinical and Experimental Research</i> , 1998 , 22, 1093-1098	3.7	52
21	Authentic cell-specific and developmentally regulated expression of pro-opiomelanocortin genomic fragments in hypothalamic and hindbrain neurons of transgenic mice. <i>Journal of Neuroscience</i> , 1998 , 18, 6631-40	6.6	64
20	Locomotor activity in D2 dopamine receptor-deficient mice is determined by gene dosage, genetic background, and developmental adaptations. <i>Journal of Neuroscience</i> , 1998 , 18, 3470-9	6.6	346
19	Two distinct pituitary cell lines from mouse intermediate lobe tumors: a cell that produces prolactin-regulating factor and a melanotroph [seecomments]. <i>Endocrinology</i> , 1997 , 138, 5589-96	4.8	19
18	Pituitary lactotroph hyperplasia and chronic hyperprolactinemia in dopamine D2 receptor-deficient mice. <i>Neuron</i> , 1997 , 19, 103-13	13.9	367
17	Mice lacking dopamine D4 receptors are supersensitive to ethanol, cocaine, and methamphetamine. <i>Cell</i> , 1997 , 90, 991-1001	56.2	406
16	Exocrine gland dysfunction in MC5-R-deficient mice: evidence for coordinated regulation of exocrine gland function by melanocortin peptides. <i>Cell</i> , 1997 , 91, 789-98	56.2	415
15	Hormonal regulation of human follicle-stimulating hormone-beta subunit gene expression: GnRH stimulation and GnRH-independent androgen inhibition. <i>Neuroendocrinology</i> , 1995 , 61, 628-37	5.6	37
14	Receptors for the melanocortin peptides in the central nervous system. <i>Current Opinion in Endocrinology, Diabetes and Obesity</i> , 1994 , 1, 79-88		46
13	Rat and mouse proopiomelanocortin gene sequences target tissue-specific expression to the pituitary gland but not to the hypothalamus of transgenic mice. <i>Neuroendocrinology</i> , 1993 , 58, 373-80	5.6	40
12	Introduction of a point mutation into the mouse genome by homologous recombination in embryonic stem cells using a replacement type vector with a selectable marker. <i>Nucleic Acids Research</i> , 1993 , 21, 2613-7	20.1	20
11	Targeted expression of somatostatin in vasopressinergic magnocellular hypothalamic neurons of transgenic mice. <i>Molecular and Cellular Neurosciences</i> , 1992 , 3, 152-61	4.8	15
10	The Identification of Neuropeptide Gene Regulatory Elements in Transgenic Mice 1992 , 181-204		
9	Histological, immunohistochemical, and ultrastructural features of a rat medullary thyroid carcinoma transfected with a corticotropin-releasing hormone cDNA expression vector. <i>Endocrine Pathology</i> , 1992 , 3, 39-46	4.2	1
8	Identification of DNA elements cooperatively activating proopiomelanocortin gene expression in the pituitary glands of transgenic mice. <i>Molecular and Cellular Biology</i> , 1992 , 12, 3978-3990	4.8	18
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6	Cryptic human growth hormone gene sequences direct gonadotroph-specific expression in transgenic mice. <i>Molecular Endocrinology</i> , 1989 , 3, 2028-33		20

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