

Julie A Chowen

List of Publications by Citations

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181
papers

6,832
citations

44
h-index

75
g-index

186
ext. papers

7,638
ext. citations

5.4
avg, IF

5.71
L-index

#	Paper	IF	Citations
181	Synaptic input organization of the melanocortin system predicts diet-induced hypothalamic reactive gliosis and obesity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 14875-80	11.5	304
180	Gonadal hormones as promoters of structural synaptic plasticity: cellular mechanisms. <i>Progress in Neurobiology</i> , 1994 , 44, 279-307	10.9	247
179	Estradiol upregulates Bcl-2 expression in adult brain neurons. <i>NeuroReport</i> , 1998 , 9, 593-7	1.7	227
178	Leptin signaling in astrocytes regulates hypothalamic neuronal circuits and feeding. <i>Nature Neuroscience</i> , 2014 , 17, 908-10	25.5	218
177	Role of astroglia in estrogen regulation of synaptic plasticity and brain repair 1999 , 40, 574-584		192
176	The expression of GLP-1 receptor mRNA and protein allows the effect of GLP-1 on glucose metabolism in the human hypothalamus and brainstem. <i>Journal of Neurochemistry</i> , 2005 , 92, 798-806	6	183
175	Colocalization of glucagon-like peptide-1 (GLP-1) receptors, glucose transporter GLUT-2, and glucokinase mRNAs in rat hypothalamic cells: evidence for a role of GLP-1 receptor agonists as an inhibitory signal for food and water intake. <i>Journal of Neurochemistry</i> , 1996 , 67, 1982-91	6	169
174	Endocrine glia: roles of glial cells in the brain actions of steroid and thyroid hormones and in the regulation of hormone secretion. <i>Frontiers in Neuroendocrinology</i> , 1996 , 17, 180-211	8.9	144
173	Leptin regulates glutamate and glucose transporters in hypothalamic astrocytes. <i>Journal of Clinical Investigation</i> , 2012 , 122, 3900-13	15.9	143
172	Peripheral versus central effects of glucagon-like peptide-1 receptor agonists on satiety and body weight loss in Zucker obese rats. <i>Metabolism: Clinical and Experimental</i> , 2000 , 49, 709-17	12.7	133
171	Expression of the glucagon-like peptide-1 receptor gene in rat brain. <i>Journal of Neurochemistry</i> , 1996 , 66, 920-7	6	132
170	CB1 cannabinoid receptor antagonist-induced opiate withdrawal in morphine-dependent rats. <i>NeuroReport</i> , 1998 , 9, 3397-402	1.7	121
169	Ghrelin levels from fetal life through early adulthood: relationship with endocrine and metabolic and anthropometric measures. <i>Journal of Pediatrics</i> , 2004 , 144, 30-5	3.6	120
168	Gonadal hormone regulation of insulin-like growth factor-I-like immunoreactivity in hypothalamic astroglia of developing and adult rats. <i>Neuroendocrinology</i> , 1994 , 59, 528-38	5.6	119
167	Growth hormone (GH) and GH-releasing peptide-6 increase brain insulin-like growth factor-I expression and activate intracellular signaling pathways involved in neuroprotection. <i>Endocrinology</i> , 2002 , 143, 4113-22	4.8	109
166	Mutations in pregnancy-associated plasma protein A2 cause short stature due to low IGF-I availability. <i>EMBO Molecular Medicine</i> , 2016 , 8, 363-74	12	108
165	Role of astrocytes, microglia, and tanycytes in brain control of systemic metabolism. <i>Nature Neuroscience</i> , 2019 , 22, 7-14	25.5	108

164	Multiple Endocrine Abnormalities of the Growth Hormone and Insulin-Like Growth Factor Axis in Patients with Anorexia Nervosa: Effect of Short- and Long-Term Weight Recuperation. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1997 , 82, 2084-2092	5.6	106
163	Sexual dimorphism of growth hormone-releasing hormone and somatostatin gene expression in the hypothalamus of the rat during development. <i>Endocrinology</i> , 1991 , 128, 2369-75	4.8	94
162	Multiple Endocrine Abnormalities of the Growth Hormone and Insulin-Like Growth Factor Axis in Prepubertal Children with Exogenous Obesity: Effect of Short- and Long-Term Weight Reduction. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1997 , 82, 2076-2083	5.6	94
161	Sex differences in adipose tissue: It is not only a question of quantity and distribution. <i>Adipocyte</i> , 2013 , 2, 128-34	3.2	88
160	Neuropeptide S reinstates cocaine-seeking behavior and increases locomotor activity through corticotropin-releasing factor receptor 1 in mice. <i>Journal of Neuroscience</i> , 2009 , 29, 4155-61	6.6	87
159	Metabolic signals in human puberty: effects of over and undernutrition. <i>Molecular and Cellular Endocrinology</i> , 2010 , 324, 70-81	4.4	84
158	Differential acute and chronic effects of leptin on hypothalamic astrocyte morphology and synaptic protein levels. <i>Endocrinology</i> , 2011 , 152, 1809-18	4.8	84
157	Role of astroglia and insulin-like growth factor-I in gonadal hormone-dependent synaptic plasticity. <i>Brain Research Bulletin</i> , 1997 , 44, 525-31	3.9	84
156	Trophic effects of estradiol on fetal rat hypothalamic neurons. <i>Neuroendocrinology</i> , 1992 , 56, 895-901	5.6	84
155	Insulin-like growth factor-I receptors and estrogen receptors interact in the promotion of neuronal survival and neuroprotection. <i>Journal of Neurocytology</i> , 2000 , 29, 425-37		82
154	The regulation of GH secretion by sex steroids. <i>European Journal of Endocrinology</i> , 2004 , 151 Suppl 3, U95-100	6.5	79
153	SAT-593 Sex-Specific Modifications in MicroRNAs Contained in Exosomes of Astrocytes in Response to Palmitic Acid. <i>Journal of the Endocrine Society</i> , 2020 , 4,	0.4	78
152	Leptin plasma levels in healthy Spanish children and adolescents, children with obesity, and adolescents with anorexia nervosa and bulimia nervosa. <i>Journal of Pediatrics</i> , 1997 , 131, 833-8	3.6	78
151	Plasma profile of pro-inflammatory cytokines and chemokines in cocaine users under outpatient treatment: influence of cocaine symptom severity and psychiatric co-morbidity. <i>Addiction Biology</i> , 2015 , 20, 756-72	4.6	71
150	Defective minor spliceosome mRNA processing results in isolated familial growth hormone deficiency. <i>EMBO Molecular Medicine</i> , 2014 , 6, 299-306	12	71
149	Pro-opiomelanocortin messenger RNA in hypothalamic neurons is increased by testosterone through aromatization to estradiol. <i>Neuroendocrinology</i> , 1990 , 52, 581-8	5.6	69
148	Gender differences in the long-term effects of chronic prenatal stress on the HPA axis and hypothalamic structure in rats. <i>Psychoneuroendocrinology</i> , 2010 , 35, 1525-35	5	63
147	Astroglia play a key role in the neuroprotective actions of estrogen. <i>Progress in Brain Research</i> , 2001 , 132, 469-78	2.9	61

146	Estradiol and progesterone regulate the expression of insulin-like growth factor-I receptor and insulin-like growth factor binding protein-2 in the hypothalamus of adult female rats. <i>Journal of Neurobiology</i> , 2000 , 43, 269-81		59
145	Estrogen, astrocytes and the neuroendocrine control of metabolism. <i>Reviews in Endocrine and Metabolic Disorders</i> , 2013 , 14, 331-8	10.5	57
144	Activation of microglia in specific hypothalamic nuclei and the cerebellum of adult rats exposed to neonatal overnutrition. <i>Journal of Neuroendocrinology</i> , 2011 , 23, 365-70	3.8	57
143	Sexual dimorphism and sex steroid modulation of glial fibrillary acidic protein messenger RNA and immunoreactivity levels in the rat hypothalamus. <i>Neuroscience</i> , 1995 , 69, 519-32	3.9	55
142	Evidence that glucokinase regulatory protein is expressed and interacts with glucokinase in rat brain. <i>Journal of Neurochemistry</i> , 2002 , 80, 45-53	6	54
141	A role for astrocytes in the central control of metabolism. <i>Neuroendocrinology</i> , 2011 , 93, 143-9	5.6	49
140	Sex differences in the phagocytic and migratory activity of microglia and their impairment by palmitic acid. <i>Glia</i> , 2018 , 66, 522-537	9	46
139	Ghrelin Regulates Glucose and Glutamate Transporters in Hypothalamic Astrocytes. <i>Scientific Reports</i> , 2016 , 6, 23673	4.9	45
138	Role of non-neuronal cells in body weight and appetite control. <i>Frontiers in Endocrinology</i> , 2015 , 6, 42	5.7	44
137	Maternal deprivation induces a rapid decline in circulating leptin levels and sexually dimorphic modifications in hypothalamic trophic factors and cell turnover. <i>Hormones and Behavior</i> , 2010 , 57, 405-14	2.7	44
136	Reduction in the number of astrocytes and their projections is associated with increased synaptic protein density in the hypothalamus of poorly controlled diabetic rats. <i>Endocrinology</i> , 2006 , 147, 5314-24	4.8	44
135	Expression of glucose transporter isoform GLUT-2 and glucokinase genes in human brain. <i>Journal of Neurochemistry</i> , 2004 , 88, 1203-10	6	44
134	Increased glucagon-like peptide-1 receptor expression in glia after mechanical lesion of the rat brain. <i>Neuropeptides</i> , 1999 , 33, 212-5	3.3	44
133	Emerging role of glial cells in the control of body weight. <i>Molecular Metabolism</i> , 2012 , 1, 37-46	8.8	43
132	Response of circulating ghrelin levels to insulin therapy in children with newly diagnosed type 1 diabetes mellitus. <i>Pediatric Research</i> , 2004 , 55, 830-5	3.2	43
131	Maternal deprivation has sexually dimorphic long-term effects on hypothalamic cell-turnover, body weight and circulating hormone levels. <i>Hormones and Behavior</i> , 2010 , 58, 808-19	3.7	41
130	Effect of oral glucose administration on ghrelin levels in obese children. <i>European Journal of Endocrinology</i> , 2004 , 151, 119-21	6.5	41
129	The role of astrocytes in the hypothalamic response and adaptation to metabolic signals. <i>Progress in Neurobiology</i> , 2016 , 144, 68-87	10.9	40

128	One level up: abnormal proteolytic regulation of IGF activity plays a role in human pathophysiology. <i>EMBO Molecular Medicine</i> , 2017 , 9, 1338-1345	12	40
127	In vivo and in vitro regulation of pituitary transcription factor-1 (Pit-1) by changes in the hormone environment. <i>Neuroendocrinology</i> , 1996 , 63, 3-15	5.6	37
126	Neuroprotective actions of ghrelin and growth hormone secretagogues. <i>Frontiers in Molecular Neuroscience</i> , 2011 , 4, 23	6.1	36
125	Treatment With Recombinant Human Insulin-Like Growth Factor-1 Improves Growth in Patients With PAPP-A2 Deficiency. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016 , 101, 3879-3883	5.6	35
124	Ontogeny of pituitary transcription factor-1 (Pit-1), growth hormone (GH) and prolactin (PRL) mRNA levels in male and female rats and the differential expression of Pit-1 in lactotrophs and somatotrophs. <i>Journal of Neuroendocrinology</i> , 1996 , 8, 211-25	3.8	34
123	Maternal deprivation exacerbates the response to a high fat diet in a sexually dimorphic manner. <i>PLoS ONE</i> , 2012 , 7, e48915	3.7	33
122	Activation of the intrinsic cell death pathway, increased apoptosis and modulation of astrocytes in the cerebellum of diabetic rats. <i>Neurobiology of Disease</i> , 2006 , 23, 290-9	7.5	33
121	Glial cells and energy balance. <i>Journal of Molecular Endocrinology</i> , 2017 , 58, R59-R71	4.5	31
120	Sex steroid effects on the development and functioning of the growth hormone axis. <i>Cellular and Molecular Neurobiology</i> , 1996 , 16, 297-310	4.6	31
119	Coexpression of glucagon-like peptide-1 (GLP-1) receptor, vasopressin, and oxytocin mRNAs in neurons of the rat hypothalamic supraoptic and paraventricular nuclei: effect of GLP-1(7-36)amide on vasopressin and oxytocin release. <i>Journal of Neurochemistry</i> , 1999 , 72, 10-6	6	30
118	Hypothalamic inflammation without astrogliosis in response to high sucrose intake is modulated by neonatal nutrition in male rats. <i>Endocrinology</i> , 2013 , 154, 2318-30	4.8	29
117	A proteomic approach to obesity and type 2 diabetes. <i>Journal of Cellular and Molecular Medicine</i> , 2015 , 19, 1455-70	5.6	27
116	Sex differences in psychiatric comorbidity and plasma biomarkers for cocaine addiction in abstinent cocaine-addicted subjects in outpatient settings. <i>Frontiers in Psychiatry</i> , 2015 , 6, 17	5	27
115	Agonist-specific and sexual stage-dependent inhibition of gonadotropin-releasing hormone-stimulated gonadotropin and growth hormone release by ryanodine: relationship to sexual stage-dependent caffeine-sensitive hormone release. <i>Journal of Neuroendocrinology</i> , 2002 , 14, 144-55	3.8	27
114	The Hypothalamic Inflammatory/Gliosis Response to Neonatal Overnutrition Is Sex and Age Dependent. <i>Endocrinology</i> , 2018 , 159, 368-387	4.8	26
113	Early nutritional changes induce sexually dimorphic long-term effects on body weight gain and the response to sucrose intake in adult rats. <i>Metabolism: Clinical and Experimental</i> , 2012 , 61, 812-22	12.7	26
112	Uncovering novel roles of nonneuronal cells in body weight homeostasis and obesity. <i>Endocrinology</i> , 2013 , 154, 3001-7	4.8	26
111	Effects of acute changes in neonatal leptin levels on food intake and long-term metabolic profiles in rats. <i>Endocrinology</i> , 2011 , 152, 4116-26	4.8	26

110	Leptin in early life: a key factor for the development of the adult metabolic profile. <i>Obesity Facts</i> , 2012 , 5, 138-50	5.1	26
109	Circadian feeding drive of metabolic activity in adipose tissue and not hyperphagia triggers overweight in mice: is there a role of the pentose-phosphate pathway?. <i>Endocrinology</i> , 2012 , 153, 690-9	4.8	26
108	Sex differences in the neuroendocrine control of metabolism and the implication of astrocytes. <i>Frontiers in Neuroendocrinology</i> , 2018 , 48, 3-12	8.9	25
107	Growth hormone releasing peptide-6 acts as a survival factor in glutamate-induced excitotoxicity. <i>Journal of Neurochemistry</i> , 2006 , 99, 839-49	6	25
106	Cellular composition of the adult rat anterior pituitary is influenced by the neonatal sex steroid environment. <i>Neuroendocrinology</i> , 1998 , 68, 152-62	5.6	24
105	Activation of caspase 8 in the pituitaries of streptozotocin-induced diabetic rats: implication in increased apoptosis of lactotrophs. <i>Endocrinology</i> , 2005 , 146, 4417-24	4.8	23
104	rhIGF-1 Treatment Increases Bone Mineral Density and Trabecular Bone Structure in Children with PAPP-A2 Deficiency. <i>Hormone Research in Paediatrics</i> , 2018 , 89, 200-204	3.3	22
103	Age and sex dependent effects of early overnutrition on metabolic parameters and the role of neonatal androgens. <i>Biology of Sex Differences</i> , 2016 , 7, 26	9.3	22
102	Non-Neuronal Cells in the Hypothalamic Adaptation to Metabolic Signals. <i>Frontiers in Endocrinology</i> , 2017 , 8, 51	5.7	22
101	Morphological changes in glial fibrillary acidic protein immunopositive astrocytes in the hippocampus of dietary-induced obese mice. <i>NeuroReport</i> , 2014 , 25, 819-822	1.7	22
100	Chronic central leptin infusion modifies the response to acute central insulin injection by reducing the interaction of the insulin receptor with IRS2 and increasing its association with SOCS3. <i>Journal of Neurochemistry</i> , 2011 , 117, 175-85	6	22
99	Early postnatal overnutrition increases adipose tissue accrual in response to a sucrose-enriched diet. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2012 , 302, E1586-98	6	22
98	Glucagon-like peptide-1 (7-36) amide as a novel neuropeptide. <i>Molecular Neurobiology</i> , 1998 , 18, 157-73	6.2	22
97	Differential effects of the neonatal and adult sex steroid environments on the organization and activation of hypothalamic growth hormone-releasing hormone and somatostatin neurons		22
96	Prenatal stress induces long-term effects in cell turnover in the hippocampus-hypothalamus-pituitary axis in adult male rats. <i>PLoS ONE</i> , 2011 , 6, e27549	3.7	22
95	Resveratrol Intake During Pregnancy and Lactation Modulates the Early Metabolic Effects of Maternal Nutrition Differently in Male and Female Offspring. <i>Endocrinology</i> , 2018 , 159, 810-825	4.8	21
94	Long Term Hippocampal and Cortical Changes Induced by Maternal Deprivation and Neonatal Leptin Treatment in Male and Female Rats. <i>PLoS ONE</i> , 2015 , 10, e0137283	3.7	21
93	17Beta-estradiol protects depletion of rat temporal cortex somatostatinergic system by beta-amyloid. <i>Neurobiology of Aging</i> , 2007 , 28, 1396-409	5.6	20

92	Growth hormone-releasing peptide-6 inhibits cerebellar cell death in aged rats. <i>NeuroReport</i> , 2003 , 14, 1633-5	1.7	20
91	The opposing effects of ghrelin on hypothalamic and systemic inflammatory processes are modulated by its acylation status and food intake in male rats. <i>Endocrinology</i> , 2014 , 155, 2868-80	4.8	19
90	Plasma concentrations of BDNF and IGF-1 in abstinent cocaine users with high prevalence of substance use disorders: relationship to psychiatric comorbidity. <i>PLoS ONE</i> , 2015 , 10, e0118610	3.7	19
89	Adipokines in childhood obesity. <i>Vitamins and Hormones</i> , 2013 , 91, 107-42	2.5	19
88	Ghrelin treatment protects lactotrophs from apoptosis in the pituitary of diabetic rats. <i>Molecular and Cellular Endocrinology</i> , 2009 , 309, 67-75	4.4	19
87	Interaction between neonatal maternal deprivation and serum leptin levels on metabolism, pubertal development, and sexual behavior in male and female rats. <i>Biology of Sex Differences</i> , 2016 , 7, 2	9.3	18
86	Plasma Chemokines in Patients with Alcohol Use Disorders: Association of CCL11 (Eotaxin-1) with Psychiatric Comorbidity. <i>Frontiers in Psychiatry</i> , 2016 , 7, 214	5	18
85	Gene expression of the insulin-like growth factor system during postnatal development of the rat pituitary gland. <i>Journal of Neuroendocrinology</i> , 2001 , 13, 86-93	3.8	18
84	Neonatal treatment with a pegylated leptin antagonist has a sexually dimorphic effect on hypothalamic trophic factors and neuropeptide levels. <i>Journal of Neuroendocrinology</i> , 2012 , 24, 756-65	3.8	17
83	Evaluation of plasma cytokines in patients with cocaine use disorders in abstinence identifies transforming growth factor alpha (TGF α) as a potential biomarker of consumption and dual diagnosis. <i>PeerJ</i> , 2017 , 5, e3926	3.1	17
82	Blockage of the Neonatal Leptin Surge Affects the Gene Expression of Growth Factors, Glial Proteins, and Neuropeptides Involved in the Control of Metabolism and Reproduction in Peripubertal Male and Female Rats. <i>Endocrinology</i> , 2015 , 156, 2571-81	4.8	16
81	The weight gain response to stress during adulthood is conditioned by both sex and prenatal stress exposure. <i>Psychoneuroendocrinology</i> , 2010 , 35, 403-13	5	16
80	Growth hormone-releasing peptide-6 increases insulin-like growth factor-I mRNA levels and activates Akt in RCA-6 cells as a model of neuropeptide Y neurones. <i>Journal of Neuroendocrinology</i> , 2005 , 17, 701-10	3.8	16
79	Microglia, neurodegeneration and loss of neuroendocrine control. <i>Progress in Neurobiology</i> , 2020 , 184, 101720	10.9	16
78	The absence of GH signaling affects the susceptibility to high-fat diet-induced hypothalamic inflammation in male mice. <i>Endocrinology</i> , 2014 , 155, 4856-67	4.8	15
77	Differential insulin receptor substrate-1 (IRS1)-related modulation of neuropeptide Y and proopiomelanocortin expression in nondiabetic and diabetic IRS2 $^{-/-}$ mice. <i>Endocrinology</i> , 2012 , 153, 1129-40	4.8	15
76	Growth hormone-releasing peptide 6 protection of hypothalamic neurons from glutamate excitotoxicity is caspase independent and not mediated by insulin-like growth factor I. <i>European Journal of Neuroscience</i> , 2009 , 29, 2115-24	3.5	15
75	Basic physiology of the growth hormone/insulin-like growth factor axis. <i>Advances in Experimental Medicine and Biology</i> , 2005 , 567, 1-25	3.6	15

74	Heterozygous rare genetic variants in non-syndromic early-onset obesity. <i>International Journal of Obesity</i> , 2020 , 44, 830-841	5.5	15
73	Estradiol Uses Different Mechanisms in Astrocytes from the Hippocampus of Male and Female Rats to Protect against Damage Induced by Palmitic Acid. <i>Frontiers in Molecular Neuroscience</i> , 2017 , 10, 330	6.1	14
72	Leptin-induced downregulation of the rat hippocampal somatostatinergic system may potentiate its anorexigenic effects. <i>Neurochemistry International</i> , 2012 , 61, 1385-96	4.4	14
71	Increased oxidative stress and apoptosis in the hypothalamus of diabetic male mice in the insulin receptor substrate-2 knockout model. <i>DMM Disease Models and Mechanisms</i> , 2016 , 9, 573-83	4.1	14
70	Involvement of Astrocytes in Mediating the Central Effects of Ghrelin. <i>International Journal of Molecular Sciences</i> , 2017 , 18,	6.3	13
69	Differential effects of GH and GH-releasing peptide-6 on astrocytes. <i>Journal of Endocrinology</i> , 2013 , 218, 263-74	4.7	13
68	Regional and temporal differences in leptin signaling in rat brain. <i>General and Comparative Endocrinology</i> , 2010 , 167, 143-52	3	13
67	Sexually dimorphic interaction of insulin-like growth factor (IGF)-I and sex steroids in lactotrophs. <i>Journal of Neuroendocrinology</i> , 1998 , 10, 493-502	3.8	13
66	Anatomically specific changes in the expression of somatostatin, growth hormone-releasing hormone and growth hormone receptor mRNA in diabetic rats. <i>Journal of Neuroendocrinology</i> , 2000 , 12, 29-39	3.8	13
65	Hypothalamic Leptin and Ghrelin Signaling as Targets for Improvement in Metabolic Control. <i>Current Pharmaceutical Design</i> , 2015 , 21, 3596-605	3.3	13
64	Interaction between malnutrition and ovarian hormones on the systemic IGF-I axis. <i>European Journal of Endocrinology</i> , 2002 , 147, 417-24	6.5	12
63	Control of the transcription of the growth hormone-releasing hormone and somatostatin genes by sex steroids. <i>Hormone Research</i> , 1993 , 40, 48-53		12
62	Neurobiological characteristics underlying metabolic differences between males and females. <i>Progress in Neurobiology</i> , 2019 , 176, 18-32	10.9	12
61	Death of hypothalamic astrocytes in poorly controlled diabetic rats is associated with nuclear translocation of apoptosis inducing factor. <i>Journal of Neuroendocrinology</i> , 2008 , 20, 1348-60	3.8	11
60	Cell-specific expression of X-linked inhibitor of apoptosis in the anterior pituitary of streptozotocin-induced diabetic rats. <i>Journal of Endocrinology</i> , 2007 , 192, 215-27	4.7	11
59	Specific Deletion of the Astrocyte Leptin Receptor Induces Changes in Hippocampus Glutamate Metabolism, Synaptic Transmission and Plasticity. <i>Neuroscience</i> , 2020 , 447, 182-190	3.9	11
58	Chronic central leptin infusion modulates the glycemia response to insulin administration in male rats through regulation of hepatic glucose metabolism. <i>Molecular and Cellular Endocrinology</i> , 2015 , 415, 157-72	4.4	10
57	Reduction in Aβ-induced cell death in the hippocampus of 17β-estradiol-treated female rats is associated with an increase in IGF-I signaling and somatostatinergic tone. <i>Journal of Neurochemistry</i> , 2015 , 135, 1257-71	6	10

56	Oestrogen requires the insulin-like growth factor-I receptor for stimulation of prolactin synthesis via mitogen-activated protein kinase. <i>Journal of Neuroendocrinology</i> , 2005 , 17, 97-104	3.8	10
55	Blockage of neonatal leptin signaling induces changes in the hypothalamus associated with delayed pubertal onset and modifications in neuropeptide expression during adulthood in male rats. <i>Peptides</i> , 2016 , 86, 63-71	3.8	9
54	The positive effects of growth hormone-releasing peptide-6 on weight gain and fat mass accrual depend on the insulin/glucose status. <i>Endocrinology</i> , 2010 , 151, 2008-18	4.8	9
53	Circannual somatostatin gene and somatostatin receptor gene expression in the early post-natal rat pineal gland. <i>Neuroendocrinology</i> , 1997 , 66, 368-74	5.6	9
52	Differential vulnerability to adverse nutritional conditions in male and female rats: Modulatory role of estradiol during development. <i>Frontiers in Neuroendocrinology</i> , 2018 , 48, 13-22	8.9	9
51	Physiological and brain alterations produced by high-fat diet in male and female rats can be modulated by increased levels of estradiol during critical periods of development. <i>Nutritional Neuroscience</i> , 2019 , 22, 29-39	3.6	9
50	Sex differences in the peripubertal response to a short-term, high-fat diet intake. <i>Journal of Neuroendocrinology</i> , 2020 , 32, e12756	3.8	9
49	Improvement in glycemia after glucose or insulin overload in leptin-infused rats is associated with insulin-related activation of hepatic glucose metabolism. <i>Nutrition and Metabolism</i> , 2016 , 13, 19	4.6	8
48	Sex, puberty, and ethnicity have a strong influence on growth and metabolic comorbidities in children and adolescents with obesity: Report on 1300 patients (the Madrid Cohort). <i>Pediatric Obesity</i> , 2019 , 14, e12565	4.6	8
47	Ghrelin: A Link Between Energy Homeostasis and the Immune System. <i>Endocrinology</i> , 2017 , 158, 2077-2088	4.8	8
46	Insulin and growth hormone-releasing peptide-6 (GHRP-6) have differential beneficial effects on cell turnover in the pituitary, hypothalamus and cerebellum of streptozotocin (STZ)-induced diabetic rats. <i>Molecular and Cellular Endocrinology</i> , 2011 , 337, 101-13	4.4	8
45	Brain Ac39/physophilin: cloning, coexpression and colocalization with synaptophysin. <i>European Journal of Neuroscience</i> , 1998 , 10, 1153-66	3.5	8
44	Effects of Adolescent Intermittent Alcohol Exposure on the Expression of Endocannabinoid Signaling-Related Proteins in the Spleen of Young Adult Rats. <i>PLoS ONE</i> , 2016 , 11, e0163752	3.7	8
43	Cholecystokinin is involved in triglyceride fatty acid uptake by rat adipose tissue. <i>Journal of Endocrinology</i> , 2018 , 236, 137-150	4.7	7
42	The increase in fiber size in male rat gastrocnemius after chronic central leptin infusion is related to activation of insulin signaling. <i>Molecular and Cellular Endocrinology</i> , 2018 , 470, 48-59	4.4	7
41	Acute up-regulation of the rat brain somatostatin receptor-effector system by leptin is related to activation of insulin signaling and may counteract central leptin actions. <i>Neuroscience</i> , 2013 , 252, 289-301	3.9	7
40	Principles and pitfalls in the differential diagnosis and management of childhood obesity. <i>Advances in Nutrition</i> , 2014 , 5, 299S-305S	10	7
39	Increased apoptosis of lactotrophs in streptozotocin-induced diabetic rats is followed by increased proliferation. <i>Journal of Endocrinology</i> , 2006 , 191, 55-63	4.7	7

38	Role of glial cells in the generation of sex differences in neurodegenerative diseases and brain aging. <i>Mechanisms of Ageing and Development</i> , 2021 , 196, 111473	5.6	7
37	Physiological and pathophysiological roles of hypothalamic astrocytes in metabolism. <i>Journal of Neuroendocrinology</i> , 2019 , 31, e12671	3.8	7
36	Increased prepubertal body weight enhances leptin sensitivity in proopiomelanocortin and neuropeptide y neurons before puberty onset in female rats. <i>Endocrinology</i> , 2015 , 156, 1272-82	4.8	6
35	The Protective Effects of IGF-I against β Amyloid-related Downregulation of Hippocampal Somatostatinergic System Involve Activation of Akt and Protein Kinase A. <i>Neuroscience</i> , 2018 , 374, 104-118	3.8	6
34	Inverse correlation between insulin-like growth factor (IGF)-binding protein-5 and IGF-I and II during postnatal development of the anterior pituitary gland. <i>Hormone Research in Paediatrics</i> , 2002 , 57, 10-4	3.3	6
33	The metabolic response to postnatal leptin in rats varies with age and may be litter dependent. <i>Hormone and Metabolic Research</i> , 2014 , 46, 462-70	3.1	5
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