Carol F Elias

List of Publications by Year
in descending order

61 papers	7,488 citations	159585 30 h-index	144013 57 g-index
62 all docs	62 docs citations	62 times ranked	5487 citing authors

#	Article	IF	Citations
1	Ablation of Growth Hormone Receptor in GABAergic Neurons Leads to Increased Pulsatile Growth Hormone Secretion. Endocrinology, 2022, 163, .	2.8	7
2	Protocol to extract actively translated mRNAs from mouse hypothalamus by translating ribosome affinity purification. STAR Protocols, 2021, 2, 100589.	1.2	0
3	Distribution of androgen receptor mRNA in the prepubertal male and female mouse brain. Journal of Neuroendocrinology, 2021, 33, e13063.	2.6	14
4	Hypothalamic and Cell-Specific Transcriptomes Unravel a Dynamic Neuropil Remodeling in Leptin-Induced and Typical Pubertal Transition in Female Mice. IScience, 2020, 23, 101563.	4.1	10
5	Dissociated Pmch and Cre Expression in Lactating Pmch-Cre BAC Transgenic Mice. Frontiers in Neuroanatomy, 2020, 14, 60.	1.7	5
6	ERÎ± Signaling in GHRH/Kiss1 Dual-Phenotype Neurons Plays Sex-Specific Roles in Growth and Puberty. Journal of Neuroscience, 2020, 40, 9455-9466.	3.6	8
7	Tyrosine Hydroxylase Neurons Regulate Growth Hormone Secretion via Short-Loop Negative Feedback. Journal of Neuroscience, 2020, 40, 4309-4322.	3.6	28
8	Lack of AR in LepRb Cells Disrupts Ambulatory Activity and Neuroendocrine Axes in a Sex-Specific Manner in Mice. Endocrinology, 2020, 161, .	2.8	1
9	Exome Sequencing Reveals the POLR3H Gene as a Novel Cause of Primary Ovarian Insufficiency. Journal of Clinical Endocrinology and Metabolism, 2019, 104, 2827-2841.	3.6	28
10	P110Î² in the ventromedial hypothalamus regulates glucose and energy metabolism. Experimental and Molecular Medicine, 2019, 51, 1-9.	7.7	10
11	<scp>PI</scp>3K signalling in leptin receptor cells: Role in growth and reproduction. Journal of Neuroendocrinology, 2019, 31, e12685.	2.6	15
12	Insulin signaling in LepR cells modulates fat and glucose homeostasis independent of leptin. American Journal of Physiology - Endocrinology and Metabolism, 2019, 316, E121-E134.	3.5	6
13	Obesity and High-Fat Diet Induce Distinct Changes in Placental Gene Expression and Pregnancy Outcome. Endocrinology, 2018, 159, 1718-1733.	2.8	34
14	Neuroanatomical Framework of the Metabolic Control of Reproduction. Physiological Reviews, 2018, 98, 2349-2380.	28.8	50
15	Sexually dimorphic distribution of Prokr2 neurons revealed by the Prokr2-Cre mouse model. Brain Structure and Function, 2017, 222, 4111-4129.	2.3	14
16	Obesity-Induced Infertility in Male Mice Is Associated With Disruption of Crisp4 Expression and Sperm Fertilization Capacity. Endocrinology, 2017, 158, 2930-2943.	2.8	26
17	Short-Term High-Fat Diet Increases Leptin Activation of CART Neurons and Advances Puberty in Female Mice. Endocrinology, 2017, 158, 3929-3942.	2.8	17
18	Editorial: Neuropeptides and Behavior: From Motivation to Psychopathology. Frontiers in Endocrinology, 2017, 8, 210.	3.5	2

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19	PI3KÎ± inactivation in leptin receptor cells increases leptin sensitivity but disrupts growth and reproduction. JCI Insight, 2017, 2, .	5.0	21
20	Loss of Fertility in the Absence of Progesterone Receptor Expression in Kisspeptin Neurons of Female Mice. PLoS ONE, 2016, 11, e0159534.	2.5	37
21	PI3K signaling: A molecular pathway associated with acute hypophagic response during inflammatory challenges. Molecular and Cellular Endocrinology, 2016, 438, 36-41.	3.2	9
22	AMPKÎ±2 in Kiss1 Neurons Is Required for Reproductive Adaptations to Acute Metabolic Challenges in Adult Female Mice. Endocrinology, 2016, 157, 4803-4816.	2.8	19
23	Leptin receptor null mice with reexpression of LepR in GnRHR expressing cells display elevated FSH levels but remain in a prepubertal state. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2016, 310, R1258-R1266.	1.8	17
24	PI3K p110Î² subunit in leptin receptor expressing cells is required for the acute hypophagia induced by endotoxemia. Molecular Metabolism, 2016, 5, 379-391.	6.5	23
25	ERÎ± in Tac2 Neurons Regulates Puberty Onset in Female Mice. Endocrinology, 2016, 157, 1555-1565.	2.8	36
26	Insulin and Leptin Signaling Interact in the Mouse Kiss1 Neuron during the Peripubertal Period. PLoS ONE, 2015, 10, e0121974.	2.5	45
27	The centrally projecting Edingerâ€"Westphal nucleusâ€"I: Efferents in the rat brain. Journal of Chemical Neuroanatomy, 2015, 68, 22-38.	2.1	41
28	Protein tyrosine phosphatase-1B contributes to LPS-induced leptin resistance in male rats. American Journal of Physiology - Endocrinology and Metabolism, 2015, 308, E40-E50.	3.5	16
29	GABAergic Transmission to Kisspeptin Neurons Is Differentially Regulated by Time of Day and Estradiol in Female Mice. Journal of Neuroscience, 2014, 34, 16296-16308.	3.6	49
30	Role of the adipocyte-derived hormone leptin in reproductive control. Hormone Molecular Biology and Clinical Investigation, 2014, 19, 141-149.	0.7	25
31	Minireview: Metabolic control of the reproductive physiology: Insights from genetic mouse models. Hormones and Behavior, 2014, 66, 7-14.	2.1	16
32	A critical view of the use of genetic tools to unveil neural circuits: the case of leptin action in reproduction. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2014, 306, R1-R9.	1.8	15
33	Estradiol modulates Kiss1 neuronal response to ghrelin. American Journal of Physiology - Endocrinology and Metabolism, 2014, 306, E606-E614.	3.5	74
34	Inactivation of SOCS3 in leptin receptor-expressing cells protects mice from diet-induced insulin resistance but does not prevent obesity. Molecular Metabolism, 2014, 3, 608-618.	6.5	81
35	Chemical identity of hypothalamic neurons engaged by leptin in reproductive control. Journal of Chemical Neuroanatomy, 2014, 61-62, 233-238.	2.1	30
36	Leptin signaling and circuits in puberty and fertility. Cellular and Molecular Life Sciences, 2013, 70, 841-862.	5.4	142

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37	From Precocious Puberty to Infertility: Metabolic Control of the Reproductive Function. Frontiers in Endocrinology, 2013, 4, 43.	3.5	7
38	Delayed Puberty but Normal Fertility in Mice With Selective Deletion of Insulin Receptors From Kiss1 Cells. Endocrinology, 2013, 154, 1337-1348.	2.8	94
39	Shift in Kiss1 Cell Activity Requires Estrogen Receptor Î±. Journal of Neuroscience, 2013, 33, 2807-2820.	3.6	74
40	Leptin Signaling in Kiss1 Neurons Arises after Pubertal Development. PLoS ONE, 2013, 8, e58698.	2.5	120
41	Leptin action in pubertal development: recent advances and unanswered questions. Trends in Endocrinology and Metabolism, 2012, 23, 9-15.	7.1	122
42	Leptinâ€™s effect on puberty in mice is relayed by the ventral premammillary nucleus and does not require signaling in Kiss1 neurons. Journal of Clinical Investigation, 2011, 121, 355-368.	8.2	281
43	Hypothalamic Sites of Leptin Action Linking Metabolism and Reproduction. Neuroendocrinology, 2011, 93, 9-18.	2.5	113
44	The Acute Effects of Leptin Require PI3K Signaling in the Hypothalamic Ventral Premammillary Nucleus. Journal of Neuroscience, 2011, 31, 13147-13156.	3.6	66
45	Segregation of Acute Leptin and Insulin Effects in Distinct Populations of Arcuate Proopiomelanocortin Neurons. Journal of Neuroscience, 2010, 30, 2472-2479.	3.6	288
46	Leptin Induces Phosphorylation of Neuronal Nitric Oxide Synthase in Defined Hypothalamic Neurons. Endocrinology, 2010, 151, 5415-5427.	2.8	56
47	Direct Insulin and Leptin Action on Pro-opiomelanocortin Neurons Is Required for Normal Glucose Homeostasis and Fertility. Cell Metabolism, 2010, 11, 286-297.	16.2	321
48	Leptin targets in the mouse brain. Journal of Comparative Neurology, 2009, 514, 518-532.	1.6	417
49	The Ventral Premammillary Nucleus Links Fasting-Induced Changes in Leptin Levels and Coordinated Luteinizing Hormone Secretion. Journal of Neuroscience, 2009, 29, 5240-5250.	3.6	112
50	Hypothalamic pathways linking energy balance and reproduction. American Journal of Physiology - Endocrinology and Metabolism, 2008, 294, E827-E832.	3.5	291
51	Female odors stimulate CART neurons in the ventral premammillary nucleus of male rats. Physiology and Behavior, 2006, 88, 160-166.	2.1	45
52	Characterization of CART neurons in the rat and human hypothalamus. Journal of Comparative Neurology, 2001, 432, 1-19.	1.6	368
53	Chemical characterization of leptin-activated neurons in the rat brain. Journal of Comparative Neurology, 2000, 423, 261-281.	1.6	335
54	Chemical characterization of leptin-activated neurons in the rat brain. , 2000, 423, 261.		1

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55	From Lesions to Leptin. Neuron, 1999, 22, 221-232.	8.1	1,065
56	Leptin Differentially Regulates NPY and POMC Neurons Projecting to the Lateral Hypothalamic Area. Neuron, 1999, 23, 775-786.	8.1	817
57	Chemically defined projections linking the mediobasal hypothalamus and the lateral hypothalamic area. Journal of Comparative Neurology, 1998, 402, 442-459.	1.6	783
58	Leptin Activates Hypothalamic CART Neurons Projecting to the Spinal Cord. Neuron, 1998, 21, 1375-1385.	8.1	717
59	Chemically defined projections linking the mediobasal hypothalamus and the lateral hypothalamic area. , 1998, 402, 442.		3
60	Chemically defined projections linking the mediobasal hypothalamus and the lateral hypothalamic area. , 1998, 402, 442.		1
61	Chemically defined projections linking the mediobasal hypothalamus and the lateral hypothalamic area. Journal of Comparative Neurology, 1998, 402, 442-459.	1.6	19