

Carol F Elias

List of Publications by Year in descending order

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61
papers

7,488
citations

159358

30
h-index

143772

57
g-index

62
all docs

62
docs citations

62
times ranked

5487
citing authors

#	ARTICLE	IF	CITATIONS
1	From Lesions to Leptin. <i>Neuron</i> , 1999, 22, 221-232.	3.8	1,065
2	Leptin Differentially Regulates NPY and POMC Neurons Projecting to the Lateral Hypothalamic Area. <i>Neuron</i> , 1999, 23, 775-786.	3.8	817
3	Chemically defined projections linking the mediobasal hypothalamus and the lateral hypothalamic area. <i>Journal of Comparative Neurology</i> , 1998, 402, 442-459.	0.9	783
4	Leptin Activates Hypothalamic CART Neurons Projecting to the Spinal Cord. <i>Neuron</i> , 1998, 21, 1375-1385.	3.8	717
5	Leptin targets in the mouse brain. <i>Journal of Comparative Neurology</i> , 2009, 514, 518-532.	0.9	417
6	Characterization of CART neurons in the rat and human hypothalamus. <i>Journal of Comparative Neurology</i> , 2001, 432, 1-19.	0.9	368
7	Chemical characterization of leptin-activated neurons in the rat brain. <i>Journal of Comparative Neurology</i> , 2000, 423, 261-281.	0.9	335
8	Direct Insulin and Leptin Action on Pro-opiomelanocortin Neurons Is Required for Normal Glucose Homeostasis and Fertility. <i>Cell Metabolism</i> , 2010, 11, 286-297.	7.2	321
9	Hypothalamic pathways linking energy balance and reproduction. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2008, 294, E827-E832.	1.8	291
10	Segregation of Acute Leptin and Insulin Effects in Distinct Populations of Arcuate Proopiomelanocortin Neurons. <i>Journal of Neuroscience</i> , 2010, 30, 2472-2479.	1.7	288
11	Leptin's effect on puberty in mice is relayed by the ventral premammillary nucleus and does not require signaling in Kiss1 neurons. <i>Journal of Clinical Investigation</i> , 2011, 121, 355-368.	3.9	281
12	Leptin signaling and circuits in puberty and fertility. <i>Cellular and Molecular Life Sciences</i> , 2013, 70, 841-862.	2.4	142
13	Leptin action in pubertal development: recent advances and unanswered questions. <i>Trends in Endocrinology and Metabolism</i> , 2012, 23, 9-15.	3.1	122
14	Leptin Signaling in Kiss1 Neurons Arises after Pubertal Development. <i>PLoS ONE</i> , 2013, 8, e58698.	1.1	120
15	Hypothalamic Sites of Leptin Action Linking Metabolism and Reproduction. <i>Neuroendocrinology</i> , 2011, 93, 9-18.	1.2	113
16	The Ventral Premammillary Nucleus Links Fasting-Induced Changes in Leptin Levels and Coordinated Luteinizing Hormone Secretion. <i>Journal of Neuroscience</i> , 2009, 29, 5240-5250.	1.7	112
17	Delayed Puberty but Normal Fertility in Mice With Selective Deletion of Insulin Receptors From Kiss1 Cells. <i>Endocrinology</i> , 2013, 154, 1337-1348.	1.4	94
18	Inactivation of SOCS3 in leptin receptor-expressing cells protects mice from diet-induced insulin resistance but does not prevent obesity. <i>Molecular Metabolism</i> , 2014, 3, 608-618.	3.0	81

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19	Shift in Kiss1 Cell Activity Requires Estrogen Receptor $\hat{\pm}$. Journal of Neuroscience, 2013, 33, 2807-2820.	1.7	74
20	Estradiol modulates Kiss1 neuronal response to ghrelin. American Journal of Physiology - Endocrinology and Metabolism, 2014, 306, E606-E614.	1.8	74
21	The Acute Effects of Leptin Require PI3K Signaling in the Hypothalamic Ventral Premammillary Nucleus. Journal of Neuroscience, 2011, 31, 13147-13156.	1.7	66
22	Leptin Induces Phosphorylation of Neuronal Nitric Oxide Synthase in Defined Hypothalamic Neurons. Endocrinology, 2010, 151, 5415-5427.	1.4	56
23	Neuroanatomical Framework of the Metabolic Control of Reproduction. Physiological Reviews, 2018, 98, 2349-2380.	13.1	50
24	GABAergic Transmission to Kisspeptin Neurons Is Differentially Regulated by Time of Day and Estradiol in Female Mice. Journal of Neuroscience, 2014, 34, 16296-16308.	1.7	49
25	Female odors stimulate CART neurons in the ventral premammillary nucleus of male rats. Physiology and Behavior, 2006, 88, 160-166.	1.0	45
26	Insulin and Leptin Signaling Interact in the Mouse Kiss1 Neuron during the Peripubertal Period. PLoS ONE, 2015, 10, e0121974.	1.1	45
27	The centrally projecting Edingerâ€™Westphal nucleusâ€™: Efferents in the rat brain. Journal of Chemical Neuroanatomy, 2015, 68, 22-38.	1.0	41
28	Loss of Fertility in the Absence of Progesterone Receptor Expression in Kisspeptin Neurons of Female Mice. PLoS ONE, 2016, 11, e0159534.	1.1	37
29	ER $\hat{\pm}$ in Tac2 Neurons Regulates Puberty Onset in Female Mice. Endocrinology, 2016, 157, 1555-1565.	1.4	36
30	Obesity and High-Fat Diet Induce Distinct Changes in Placental Gene Expression and Pregnancy Outcome. Endocrinology, 2018, 159, 1718-1733.	1.4	34
31	Chemical identity of hypothalamic neurons engaged by leptin in reproductive control. Journal of Chemical Neuroanatomy, 2014, 61-62, 233-238.	1.0	30
32	Exome Sequencing Reveals the POLR3H Gene as a Novel Cause of Primary Ovarian Insufficiency. Journal of Clinical Endocrinology and Metabolism, 2019, 104, 2827-2841.	1.8	28
33	Tyrosine Hydroxylase Neurons Regulate Growth Hormone Secretion via Short-Loop Negative Feedback. Journal of Neuroscience, 2020, 40, 4309-4322.	1.7	28
34	Obesity-Induced Infertility in Male Mice Is Associated With Disruption of Crisp4 Expression and Sperm Fertilization Capacity. Endocrinology, 2017, 158, 2930-2943.	1.4	26
35	Role of the adipocyte-derived hormone leptin in reproductive control. Hormone Molecular Biology and Clinical Investigation, 2014, 19, 141-149.	0.3	25
36	PI3K p110 $\hat{2}$ subunit in leptin receptor expressing cells is required for the acute hypophagia induced by endotoxemia. Molecular Metabolism, 2016, 5, 379-391.	3.0	23

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37	PI3K β inactivation in leptin receptor cells increases leptin sensitivity but disrupts growth and reproduction. JCI Insight, 2017, 2, .	2.3	21
38	AMPK β 2 in Kiss1 Neurons Is Required for Reproductive Adaptations to Acute Metabolic Challenges in Adult Female Mice. Endocrinology, 2016, 157, 4803-4816.	1.4	19
39	Chemically defined projections linking the mediobasal hypothalamus and the lateral hypothalamic area. Journal of Comparative Neurology, 1998, 402, 442-459.	0.9	19
40	Leptin receptor null mice with reexpression of LepR in GnRH 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.	0.9	17
41	Short-Term High-Fat Diet Increases Leptin Activation of CART Neurons and Advances Puberty in Female Mice. Endocrinology, 2017, 158, 3929-3942.	1.4	17
42	Minireview: Metabolic control of the reproductive physiology: Insights from genetic mouse models. Hormones and Behavior, 2014, 66, 7-14.	1.0	16
43	Protein tyrosine phosphatase-1B contributes to LPS-induced leptin resistance in male rats. American Journal of Physiology - Endocrinology and Metabolism, 2015, 308, E40-E50.	1.8	16
44	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.	0.9	15
45	<sc>PI</sc>3K signalling in leptin receptor cells: Role in growth and reproduction. Journal of Neuroendocrinology, 2019, 31, e12685.	1.2	15
46	Sexually dimorphic distribution of Prokr2 neurons revealed by the Prokr2-Cre mouse model. Brain Structure and Function, 2017, 222, 4111-4129.	1.2	14
47	Distribution of androgen receptor mRNA in the prepubertal male and female mouse brain. Journal of Neuroendocrinology, 2021, 33, e13063.	1.2	14
48	P110 β in the ventromedial hypothalamus regulates glucose and energy metabolism. Experimental and Molecular Medicine, 2019, 51, 1-9.	3.2	10
49	Hypothalamic and Cell-Specific Transcriptomes Unravel a Dynamic Neuropil Remodeling in Leptin-Induced and Typical Pubertal Transition in Female Mice. IScience, 2020, 23, 101563.	1.9	10
50	PI3K signaling: A molecular pathway associated with acute hypophagic response during inflammatory challenges. Molecular and Cellular Endocrinology, 2016, 438, 36-41.	1.6	9
51	ER α Signaling in GHRH/Kiss1 Dual-Phenotype Neurons Plays Sex-Specific Roles in Growth and Puberty. Journal of Neuroscience, 2020, 40, 9455-9466.	1.7	8
52	From Precocious Puberty to Infertility: Metabolic Control of the Reproductive Function. Frontiers in Endocrinology, 2013, 4, 43.	1.5	7
53	Ablation of Growth Hormone Receptor in GABAergic Neurons Leads to Increased Pulsatile Growth Hormone Secretion. Endocrinology, 2022, 163, .	1.4	7
54	Insulin signaling in LepR cells modulates fat and glucose homeostasis independent of leptin. American Journal of Physiology - Endocrinology and Metabolism, 2019, 316, E121-E134.	1.8	6

#	ARTICLE	IF	CITATIONS
55	Dissociated Pmch and Cre Expression in Lactating Pmch-Cre BAC Transgenic Mice. <i>Frontiers in Neuroanatomy</i> , 2020, 14, 60.	0.9	5
56	Chemically defined projections linking the mediobasal hypothalamus and the lateral hypothalamic area. , 1998, 402, 442.		3
57	Editorial: Neuropeptides and Behavior: From Motivation to Psychopathology. <i>Frontiers in Endocrinology</i> , 2017, 8, 210.	1.5	2
58	Lack of AR in LepRb Cells Disrupts Ambulatory Activity and Neuroendocrine Axes in a Sex-Specific Manner in Mice. <i>Endocrinology</i> , 2020, 161, .	1.4	1
59	Chemically defined projections linking the mediobasal hypothalamus and the lateral hypothalamic area. , 1998, 402, 442.		1
60	Chemical characterization of leptin-activated neurons in the rat brain. , 2000, 423, 261.		1
61	Protocol to extract actively translated mRNAs from mouse hypothalamus by translating ribosome affinity purification. <i>STAR Protocols</i> , 2021, 2, 100589.	0.5	0