

Jeffrey M Zigman

List of Publications by Year in descending order

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98
papers

11,907
citations

36303

51
h-index

33894

99
g-index

100
all docs

100
docs citations

100
times ranked

9591
citing authors

#	ARTICLE	IF	CITATIONS
1	Expression of ghrelin receptor mRNA in the rat and the mouse brain. <i>Journal of Comparative Neurology</i> , 2006, 494, 528-548.	1.6	900
2	Ghrelin. <i>Molecular Metabolism</i> , 2015, 4, 437-460.	6.5	810
3	Leptin Directly Activates SF1 Neurons in the VMH, and This Action by Leptin Is Required for Normal Body-Weight Homeostasis. <i>Neuron</i> , 2006, 49, 191-203.	8.1	703
4	Mice lacking ghrelin receptors resist the development of diet-induced obesity. <i>Journal of Clinical Investigation</i> , 2005, 115, 3564-3572.	8.2	537
5	The orexigenic hormone ghrelin defends against depressive symptoms of chronic stress. <i>Nature Neuroscience</i> , 2008, 11, 752-753.	14.8	534
6	Synaptic Glutamate Release by Ventromedial Hypothalamic Neurons Is Part of the Neurocircuitry that Prevents Hypoglycemia. <i>Cell Metabolism</i> , 2007, 5, 383-393.	16.2	358
7	Minireview: From Anorexia to Obesity—The Yin and Yang of Body Weight Control. <i>Endocrinology</i> , 2003, 144, 3749-3756.	2.8	347
8	Serotonin Reciprocally Regulates Melanocortin Neurons to Modulate Food Intake. <i>Neuron</i> , 2006, 51, 239-249.	8.1	345
9	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.	16.2	321
10	Ghrelin Increases the Rewarding Value of High-Fat Diet in an Orexin-Dependent Manner. <i>Biological Psychiatry</i> , 2010, 67, 880-886.	1.3	314
11	Characterization of Kiss1 neurons using transgenic mouse models. <i>Neuroscience</i> , 2011, 173, 37-56.	2.3	286
12	5-HT ₂ CRs Expressed by Pro-Opiomelanocortin Neurons Regulate Energy Homeostasis. <i>Neuron</i> , 2008, 60, 582-589.	8.1	284
13	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.	8.2	281
14	Ghrelin mediates stress-induced food-reward behavior in mice. <i>Journal of Clinical Investigation</i> , 2011, 121, 2684-2692.	8.2	279
15	A Major Lineage of Enteroendocrine Cells Coexpress CCK, Secretin, GIP, GLP-1, PYY, and Neurotensin but Not Somatostatin. <i>Endocrinology</i> , 2012, 153, 5782-5795.	2.8	269
16	Seven transmembrane G protein-coupled receptor repertoire of gastric ghrelin cells. <i>Molecular Metabolism</i> , 2013, 2, 376-392.	6.5	261
17	Ghrelin Promotes and Protects Nigrostriatal Dopamine Function via a UCP2-Dependent Mitochondrial Mechanism. <i>Journal of Neuroscience</i> , 2009, 29, 14057-14065.	3.6	245
18	Estradiol-Dependent Decrease in the Orexigenic Potency of Ghrelin in Female Rats. <i>Diabetes</i> , 2007, 56, 1051-1058.	0.6	232

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19	Arcuate AgRP neurons mediate orexigenic and gluco regulatory actions of ghrelin. <i>Molecular Metabolism</i> , 2014, 3, 64-72.	6.5	206
20	High-fat feeding promotes obesity via insulin receptor/PI3K-dependent inhibition of SF-1 VMH neurons. <i>Nature Neuroscience</i> , 2011, 14, 911-918.	14.8	205
21	Ghrelin secretion stimulated by β_1 -adrenergic receptors in cultured ghrelinoma cells and in fasted mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 15868-15873.	7.1	170
22	Central Serotonin and Melanocortin Pathways Regulating Energy Homeostasis. <i>Annals of the New York Academy of Sciences</i> , 2003, 994, 169-174.	3.8	150
23	Ghrelin Induces Abdominal Obesity Via GHS-R-Dependent Lipid Retention. <i>Molecular Endocrinology</i> , 2009, 23, 914-924.	3.7	140
24	Neuroanatomical characterization of a growth hormone secretagogue receptor-green fluorescent protein reporter mouse. <i>Journal of Comparative Neurology</i> , 2014, 522, 3644-3666.	1.6	131
25	LEAP2 changes with body mass and food intake in humans and mice. <i>Journal of Clinical Investigation</i> , 2019, 129, 3909-3923.	8.2	130
26	The Role of Ghrelin in Reward-Based Eating. <i>Biological Psychiatry</i> , 2012, 72, 347-353.	1.3	120
27	Leptin Signaling in Kiss1 Neurons Arises after Pubertal Development. <i>PLoS ONE</i> , 2013, 8, e58698.	2.5	120
28	The P7C3 class of neuroprotective compounds exerts antidepressant efficacy in mice by increasing hippocampal neurogenesis. <i>Molecular Psychiatry</i> , 2015, 20, 500-508.	7.9	119
29	Colocalization of ghrelin-O-acyltransferase and ghrelin in gastric mucosal cells. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2009, 297, E134-E141.	3.5	109
30	Obesity Impairs the Action of the Neuroendocrine Ghrelin System. <i>Trends in Endocrinology and Metabolism</i> , 2016, 27, 54-63.	7.1	109
31	Ghrelin Directly Stimulates Glucagon Secretion from Pancreatic δ -Cells. <i>Molecular Endocrinology</i> , 2011, 25, 1600-1611.	3.7	108
32	Central Nervous System Regulation of Energy Metabolism. <i>Annals of the New York Academy of Sciences</i> , 2008, 1126, 14-19.	3.8	105
33	Chronic social defeat stress disrupts regulation of lipid synthesis. <i>Journal of Lipid Research</i> , 2010, 51, 1344-1353.	4.2	104
34	A β_1 -Adrenergic-Leptin-Melanocortin Circuit Regulates Behavioral and Metabolic Changes Induced by Chronic Stress. <i>Biological Psychiatry</i> , 2010, 67, 1075-1082.	1.3	104
35	Genetic tracing of Nav1.8-expressing vagal afferents in the mouse. <i>Journal of Comparative Neurology</i> , 2011, 519, 3085-3101.	1.6	100
36	Ghrelin as a Survival Hormone. <i>Trends in Endocrinology and Metabolism</i> , 2017, 28, 843-854.	7.1	100

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37	PI3K Signaling in the Ventromedial Hypothalamic Nucleus Is Required for Normal Energy Homeostasis. <i>Cell Metabolism</i> , 2010, 12, 88-95.	16.2	96
38	Ghrelin's Roles in Stress, Mood, and Anxiety Regulation. <i>International Journal of Peptides</i> , 2010, 2010, 1-5.	0.7	91
39	Ghrelin Indirectly Activates Hypophysiotropic CRF Neurons in Rodents. <i>PLoS ONE</i> , 2012, 7, e31462.	2.5	89
40	5-HT2CRs expressed by pro-opiomelanocortin neurons regulate insulin sensitivity in liver. <i>Nature Neuroscience</i> , 2010, 13, 1457-1459.	14.8	87
41	Characterization of a novel ghrelin cell reporter mouse. <i>Regulatory Peptides</i> , 2009, 155, 91-98.	1.9	84
42	Glucose-mediated control of ghrelin release from primary cultures of gastric mucosal cells. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2012, 302, E1300-E1310.	3.5	84
43	Functional implications of limited leptin receptor and ghrelin receptor coexpression in the brain. <i>Journal of Comparative Neurology</i> , 2012, 520, 281-294.	1.6	76
44	Shift in Kiss1 Cell Activity Requires Estrogen Receptor $\hat{\pm}$. <i>Journal of Neuroscience</i> , 2013, 33, 2807-2820.	3.6	74
45	G protein-coupled receptor 120 signaling regulates ghrelin secretion in vivo and in vitro. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2014, 306, E28-E35.	3.5	74
46	Estradiol modulates Kiss1 neuronal response to ghrelin. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2014, 306, E606-E614.	3.5	74
47	The Central Nervous System Sites Mediating the Orexigenic Actions of Ghrelin. <i>Annual Review of Physiology</i> , 2014, 76, 519-533.	13.1	72
48	Disruption of cue-potentiated feeding in mice with blocked ghrelin signaling. <i>Physiology and Behavior</i> , 2012, 108, 34-43.	2.1	65
49	A solitary hyperfunctioning thyroid nodule harboring thyroid carcinoma: review of the literature. <i>Thyroid Research</i> , 2013, 6, 7.	1.5	65
50	Monitoring FoxO1 Localization in Chemically Identified Neurons. <i>Journal of Neuroscience</i> , 2008, 28, 13640-13648.	3.6	64
51	Ghrelin's Relationship to Blood Glucose. <i>Endocrinology</i> , 2019, 160, 1247-1261.	2.8	61
52	GOAT induced ghrelin acylation regulates hedonic feeding. <i>Hormones and Behavior</i> , 2012, 62, 598-604.	2.1	53
53	Hindbrain Ghrelin Receptor Signaling Is Sufficient to Maintain Fasting Glucose. <i>PLoS ONE</i> , 2012, 7, e44089.	2.5	52
54	$\hat{\beta}$ 1-Adrenergic receptor deficiency in ghrelin-expressing cells causes hypoglycemia in susceptible individuals. <i>Journal of Clinical Investigation</i> , 2016, 126, 3467-3478.	8.2	51

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55	Differential effects of chronic social stress and fluoxetine on meal patterns in mice. <i>Appetite</i> , 2013, 64, 81-88.	3.7	46
56	Ghrelin and eating behavior: evidence and insights from genetically-modified mouse models. <i>Frontiers in Neuroscience</i> , 2013, 7, 121.	2.8	46
57	The role of ghrelin-responsive mediobasal hypothalamic neurons in mediating feeding responses to fasting. <i>Molecular Metabolism</i> , 2017, 6, 882-896.	6.5	46
58	Ghrelin activates hypophysiotropic corticotropin-releasing factor neurons independently of the arcuate nucleus. <i>Psychoneuroendocrinology</i> , 2016, 67, 27-39.	2.7	45
59	Disrupted hippocampal growth hormone secretagogue receptor 1 \pm interaction with dopamine receptor D1 plays a role in Alzheimer's disease. <i>Science Translational Medicine</i> , 2019, 11, .	12.4	45
60	Altered ghrelin secretion in mice in response to diet-induced obesity and Roux-en-Y gastric bypass. <i>Molecular Metabolism</i> , 2014, 3, 717-730.	6.5	42
61	Research Resource: A Chromogranin A Reporter for Serotonin and Histamine Secreting Enteroendocrine Cells. <i>Molecular Endocrinology</i> , 2015, 29, 1658-1671.	3.7	39
62	LEAP2 deletion in mice enhances ghrelin's actions as an orexigen and growth hormone secretagogue. <i>Molecular Metabolism</i> , 2021, 53, 101327.	6.5	37
63	Ghrelin mediates exercise endurance and the feeding response post-exercise. <i>Molecular Metabolism</i> , 2018, 9, 114-130.	6.5	34
64	Circulating Ghrelin Acts on GABA Neurons of the Area Postrema and Mediates Gastric Emptying in Male Mice. <i>Endocrinology</i> , 2017, 158, 1436-1449.	2.8	33
65	Proton- and ammonium-sensing by histaminergic neurons controlling wakefulness. <i>Frontiers in Systems Neuroscience</i> , 2012, 6, 23.	2.5	31
66	Metabolic insights from a GHSR-A203E mutant mouse model. <i>Molecular Metabolism</i> , 2020, 39, 101004.	6.5	28
67	Distribution and neurochemical characterization of protein kinase C-theta and -delta in the rodent hypothalamus. <i>Neuroscience</i> , 2010, 170, 1065-1079.	2.3	27
68	Hypoglycemic Effect of Combined Ghrelin and Glucagon Receptor Blockade. <i>Diabetes</i> , 2017, 66, 1847-1857.	0.6	27
69	“LEAP 2 conclusions? Targeting the ghrelin system to treat obesity and diabetes” <i>Molecular Metabolism</i> , 2021, 46, 101128.	6.5	27
70	Neuroanatomical and functional characterization of CRF neurons of the amygdala using a novel transgenic mouse model. <i>Neuroscience</i> , 2015, 289, 153-165.	2.3	25
71	A Role for \hat{F} FosB in Calorie Restriction-Induced Metabolic Changes. <i>Biological Psychiatry</i> , 2011, 70, 204-207.	1.3	24
72	An eGFP-expressing subpopulation of growth hormone secretagogue receptor cells are distinct from kisspeptin, tyrosine hydroxylase, and RFamide-related peptide neurons in mice. <i>Peptides</i> , 2013, 47, 45-53.	2.4	24

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73	Ghrelin Receptor signaling targets segregated clusters of neurons within the nucleus of the solitary tract. <i>Brain Structure and Function</i> , 2018, 223, 3133-3147.	2.3	23
74	β 1-adrenergic receptors mediate plasma acyl-ghrelin elevation and depressive-like behavior induced by chronic psychosocial stress. <i>Neuropsychopharmacology</i> , 2019, 44, 1319-1327.	5.4	23
75	Disrupting the ghrelin-growth hormone axis limits ghrelin's orexigenic but not glucoregulatory actions. <i>Molecular Metabolism</i> , 2021, 53, 101258.	6.5	22
76	Ghrelin Receptor Agonist Rescues Excess Neonatal Mortality in a Prader-Willi Syndrome Mouse Model. <i>Endocrinology</i> , 2018, 159, 4006-4022.	2.8	20
77	Role of Calcium and EPAC in Norepinephrine-Induced Ghrelin Secretion. <i>Endocrinology</i> , 2014, 155, 98-107.	2.8	19
78	Characterization of Gastric and Neuronal Histaminergic Populations Using a Transgenic Mouse Model. <i>PLoS ONE</i> , 2013, 8, e60276.	2.5	18
79	Brain imaging demonstrates a reduced neural impact of eating in obesity. <i>Obesity</i> , 2016, 24, 829-836.	3.0	17
80	Acyl-ghrelin Is Permissive for the Normal Counterregulatory Response to Insulin-Induced Hypoglycemia. <i>Diabetes</i> , 2020, 69, 228-237.	0.6	17
81	A closer look at alcohol-induced changes in the ghrelin system: novel insights from preclinical and clinical data. <i>Addiction Biology</i> , 2022, 27, e13033.	2.6	17
82	In search of an effective obesity treatment: A shot in the dark or a shot in the arm?. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 12961-12962.	7.1	16
83	High Coexpression of the Ghrelin and LEAP2 Receptor GHSR With Pancreatic Polypeptide in Mouse and Human Islets. <i>Endocrinology</i> , 2021, 162, .	2.8	14
84	Expression of Serum Retinol Binding Protein and Transthyretin within Mouse Gastric Ghrelin Cells. <i>PLoS ONE</i> , 2013, 8, e64882.	2.5	12
85	A Strong Stomach for Somatostatin. <i>Endocrinology</i> , 2015, 156, 3876-3879.	2.8	11
86	Hypothalamic loss of Snord116 and Prader-Willi syndrome hyperphagia: the buck stops here?. <i>Journal of Clinical Investigation</i> , 2018, 128, 900-902.	8.2	11
87	Novel Regulator of Acylated Ghrelin, CF801, Reduces Weight Gain, Rebound Feeding after a Fast, and Adiposity in Mice. <i>Frontiers in Endocrinology</i> , 2015, 6, 144.	3.5	10
88	Ghrelin cell-expressed insulin receptors mediate meal- and obesity-induced declines in plasma ghrelin. <i>JCI Insight</i> , 2021, 6, .	5.0	10
89	Genetic deletion of the ghrelin receptor (GHSR) impairs growth and blunts endocrine response to fasting in <i>Ghsr</i> -IRES-Cre mice. <i>Molecular Metabolism</i> , 2021, 51, 101223.	6.5	10
90	Impact of Thyroxine-Binding Globulin on Thyroid Hormone Economy During Pregnancy. <i>Thyroid</i> , 2003, 13, 1169-1175.	4.5	9

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91	Lowering oxidative stress in ghrelin cells stimulates ghrelin secretion. American Journal of Physiology - Endocrinology and Metabolism, 2020, 319, E330-E337.	3.5	9
92	Melanocortin regulation of histaminergic neurons via perifornical lateral hypothalamic melanocortin 4 receptors. Molecular Metabolism, 2020, 35, 100956.	6.5	7
93	Ghrelin Protects Against Insulin-Induced Hypoglycemia in a Mouse Model of Type 1 Diabetes Mellitus. Frontiers in Endocrinology, 2020, 11, 606.	3.5	6
94	Electrophysiological Properties of Genetically Identified Histaminergic Neurons. Neuroscience, 2020, 444, 183-195.	2.3	6
95	Molecular Determinants of Energy Homeostasis. American Journal of Psychiatry, 2006, 163, 1137.	7.2	6
96	The effect of glutamate on ghrelin release in mice. Cell Biology International, 2017, 41, 320-327.	3.0	5
97	Growth hormone secretagogue receptor signaling in the supramammillary nucleus targets nitric oxide-producing neurons and controls recognition memory in mice. Psychoneuroendocrinology, 2022, 139, 105716.	2.7	5
98	Combined Loss of Ghrelin Receptor and Cannabinoid CB1 Receptor in Mice Decreases Survival but does not Additively Reduce Body Weight or Eating. Neuroscience, 2020, 447, 53-62.	2.3	3