

# Denis G Baskin

## List of Publications by Year in descending order

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107  
papers

21,025  
citations

22153

59  
h-index

30087

103  
g-index

108  
all docs

108  
docs citations

108  
times ranked

14157  
citing authors

#	ARTICLE	IF	CITATIONS
1	Central nervous system control of food intake. <i>Nature</i> , 2000, 404, 661-671.	27.8	5,309
2	Obesity is associated with hypothalamic injury in rodents and humans. <i>Journal of Clinical Investigation</i> , 2012, 122, 153-162.	8.2	1,448
3	Coexpression of <i>Agrp</i> and <i>NPY</i> in fasting-activated hypothalamic neurons. <i>Nature Neuroscience</i> , 1998, 1, 271-272.	14.8	987
4	Leptin Increases Hypothalamic Pro-opiomelanocortin mRNA Expression in the Rostral Arcuate Nucleus. <i>Diabetes</i> , 1997, 46, 2119-2123.	0.6	785
5	Decreasing hypothalamic insulin receptors causes hyperphagia and insulin resistance in rats. <i>Nature Neuroscience</i> , 2002, 5, 566-572.	14.8	613
6	Insulin in the Brain: A Hormonal Regulator of Energy Balance*. <i>Endocrine Reviews</i> , 1992, 13, 387-414.	20.1	568
7	Hypothalamic proinflammatory lipid accumulation, inflammation, and insulin resistance in rats fed a high-fat diet. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2009, 296, E1003-E1012.	3.5	487
8	Melanocortin receptors in leptin effects. <i>Nature</i> , 1997, 390, 349-349.	27.8	456
9	Insulin Activation of Phosphatidylinositol 3-Kinase in the Hypothalamic Arcuate Nucleus. <i>Diabetes</i> , 2003, 52, 227-231.	0.6	441
10	Decreasing hypothalamic insulin receptors causes hyperphagia and insulin resistance in rats. <i>Nature Neuroscience</i> , 2002, 5, 566-572.	14.8	437
11	Localization of insulin receptor mRNA in rat brain by in situ hybridization. <i>Endocrinology</i> , 1990, 127, 3234-3236.	2.8	383
12	Evidence That the Caudal Brainstem Is a Target for the Inhibitory Effect of Leptin on Food Intake. <i>Endocrinology</i> , 2002, 143, 239-246.	2.8	349
13	Insulin and leptin: dual adiposity signals to the brain for the regulation of food intake and body weight. <i>Brain Research</i> , 1999, 848, 114-123.	2.2	341
14	Is the Energy Homeostasis System Inherently Biased Toward Weight Gain?. <i>Diabetes</i> , 2003, 52, 232-238.	0.6	323
15	Insulin Signaling in the Central Nervous System. <i>Diabetes</i> , 2005, 54, 1264-1276.	0.6	312
16	Food Intake and the Regulation of Body Weight. <i>Annual Review of Psychology</i> , 2000, 51, 255-277.	17.7	293
17	Insulin and the Blood-Brain Barrier. <i>Current Pharmaceutical Design</i> , 2003, 9, 795-800.	1.9	288
18	Insulin and insulin-like growth factors in the CNS. <i>Trends in Neurosciences</i> , 1988, 11, 107-111.	8.6	287

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19	Evidence that paraventricular nucleus oxytocin neurons link hypothalamic leptin action to caudal brain stem nuclei controlling meal size. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2004, 287, R87-R96.	1.8	285
20	Evidence that Intestinal Glucagon-Like Peptide-1 Plays a Physiological Role in Satiety. <i>Endocrinology</i> , 2009, 150, 1680-1687.	2.8	256
21	Model for the regulation of energy balance and adiposity by the central nervous system. <i>American Journal of Clinical Nutrition</i> , 1999, 69, 584-596.	4.7	236
22	Regional Concentrations of Insulin in the Rat Brain*. <i>Endocrinology</i> , 1983, 112, 898-903.	2.8	208
23	Leptin action in the forebrain regulates the hindbrain response to satiety signals. <i>Journal of Clinical Investigation</i> , 2005, 115, 703-710.	8.2	202
24	Controls for Immunohistochemistry. <i>Journal of Histochemistry and Cytochemistry</i> , 2014, 62, 693-697.	2.5	196
25	Insulin and its evolving partnership with leptin in the hypothalamic control of energy homeostasis. <i>Trends in Endocrinology and Metabolism</i> , 2004, 15, 362-369.	7.1	192
26	Localization of binding sites for insulin-like growth factor-I (IGF-I) in the rat brain by quantitative autoradiography. <i>Brain Research</i> , 1988, 444, 205-213.	2.2	183
27	Leptin Receptor Long-form Splice-variant Protein Expression in Neuron Cell Bodies of the Brain and Co-localization with Neuropeptide Y mRNA in the Arcuate Nucleus. <i>Journal of Histochemistry and Cytochemistry</i> , 1999, 47, 353-362.	2.5	181
28	Leptin and Insulin Action in the Central Nervous System. <i>Nutrition Reviews</i> , 2002, 60, S20-S29.	5.8	180
29	Peripheral oxytocin suppresses food intake and causes weight loss in diet-induced obese rats. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2012, 302, E134-E144.	3.5	172
30	Localization of 125I-insulin binding sites in the rat hypothalamus by quantitative autoradiography. <i>Neuroscience Letters</i> , 1986, 70, 17-22.	2.1	166
31	Leptin Regulation of the Anorexic Response to Glucagon-Like Peptide-1 Receptor Stimulation. <i>Diabetes</i> , 2006, 55, 3387-3393.	0.6	164
32	Hypothalamic Melanin-Concentrating Hormone and Estrogen-Induced Weight Loss. <i>Journal of Neuroscience</i> , 2000, 20, 8637-8642.	3.6	160
33	Effects of Hypothalamic Neurodegeneration on Energy Balance. <i>PLoS Biology</i> , 2005, 3, e415.	5.6	159
34	Arcuate Nucleus-Specific Leptin Receptor Gene Therapy Attenuates the Obesity Phenotype of Koletsy (fak/fak) Rats. <i>Endocrinology</i> , 2003, 144, 2016-2024.	2.8	155
35	Neuropeptide Y-like Gene Expression in the Salmon Brain Increases with Fasting. <i>General and Comparative Endocrinology</i> , 1998, 110, 157-165.	1.8	151
36	Oxytocin innervation of caudal brainstem nuclei activated by cholecystokinin. <i>Brain Research</i> , 2003, 993, 30-41.	2.2	151

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37	Chronic oxytocin administration inhibits food intake, increases energy expenditure, and produces weight loss in fructose-fed obese rhesus monkeys. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2015, 308, R431-R438.	1.8	141
38	Genetically obese Zucker rats have abnormally low brain insulin content. <i>Life Sciences</i> , 1985, 36, 627-633.	4.3	129
39	Characterization and localization of 3H-arginine8-vasopressin binding to rat kidney and brain tissue. <i>Peptides</i> , 1983, 4, 699-706.	2.4	124
40	Immunocytochemical Detection of Insulin in Rat Hypothalamus and Its Possible Uptake from Cerebrospinal Fluid. <i>Endocrinology</i> , 1983, 113, 1818-1825.	2.8	124
41	Localization of Type I Insulin-Like Growth Factor Receptor Messenger RNA in the Adult Rat Brain by <i>In Situ</i> Hybridization. <i>Molecular Endocrinology</i> , 1991, 5, 1158-1168.	3.7	123
42	Translational and therapeutic potential of oxytocin as an anti-obesity strategy: Insights from rodents, nonhuman primates and humans. <i>Physiology and Behavior</i> , 2015, 152, 438-449.	2.1	115
43	Differential effect of fasting on hypothalamic expression of genes encoding neuropeptide Y, galanin, and glutamic acid decarboxylase. <i>Brain Research Bulletin</i> , 1993, 31, 361-367.	3.0	113
44	Insulin binding to brain capillaries is reduced in genetically obese, hyperinsulinemic Zucker rats. <i>Peptides</i> , 1990, 11, 467-472.	2.4	111
45	Insulin Secretory Deficiency and Glucose Intolerance in Rab3A Null Mice. <i>Journal of Biological Chemistry</i> , 2003, 278, 9715-9721.	3.4	110
46	Immunocytochemical Detection of Phosphatidylinositol 3-kinase Activation by Insulin and Leptin. <i>Journal of Histochemistry and Cytochemistry</i> , 2003, 51, 275-283.	2.5	107
47	Hypothalamic, Metabolic, and Behavioral Responses to Pharmacological Inhibition of CNS Melanocortin Signaling in Rats. <i>Journal of Neuroscience</i> , 2001, 21, 3639-3645.	3.6	100
48	Development and characterization of a novel rat model of type 2 diabetes mellitus: the UC Davis type 2 diabetes mellitus UCD-T2DM rat. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2008, 295, R1782-R1793.	1.8	88
49	Autoradiographic localization of specific binding sites for [3H][Arg8]vasopressin in the septum of the rat brain with tritium-sensitive film. <i>European Journal of Pharmacology</i> , 1983, 90, 155-157.	3.5	86
50	Chronic CNS oxytocin signaling preferentially induces fat loss in high-fat diet-fed rats by enhancing satiety responses and increasing lipid utilization. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2016, 310, R640-R658.	1.8	82
51	Distribution of insulin receptor substrate-2 in brain areas involved in energy homeostasis. <i>Brain Research</i> , 2006, 1112, 169-178.	2.2	81
52	Reduced Effect of Experimental Peripheral Hyperinsulinemia to Elevate Cerebrospinal Fluid Insulin Concentrations of Obese Zucker Rats*. <i>Endocrinology</i> , 1987, 121, 1611-1615.	2.8	79
53	Effect of Fasting and Leptin Deficiency on Hypothalamic Neuropeptide Y Gene Transcription <i>In Vivo</i> Revealed by Expression of a <i>lacZ</i> Reporter Gene. <i>Endocrinology</i> , 1998, 139, 2629-2635.	2.8	75
54	IMMUNOREACTIVE INSULIN LEVELS ARE ELEVATED IN THE CEREBROSPINAL FLUID OF GENETICALLY OBESE ZUCKER RATS. <i>Endocrinology</i> , 1983, 113, 2299-2301.	2.8	74

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55	Effect of fasting on regional levels of neuropeptide Y mRNA and insulin receptors in the rat hypothalamus: An autoradiographic study. <i>Molecular and Cellular Neurosciences</i> , 1992, 3, 199-205.	2.2	74
56	A New Oxytocin-Saporin Cytotoxin for Lesioning Oxytocin-Receptive Neurons in the Rat Hindbrain. <i>Endocrinology</i> , 2010, 151, 4207-4213.	2.8	72
57	Hypothalamic-Brainstem Circuits Controlling Eating. <i>Forum of Nutrition</i> , 2010, 63, 133-140.	3.7	70
58	Distribution of somatostatin-14 and somatostatin-28 gastrointestinal-pancreatic cells of rats and humans. <i>Gastroenterology</i> , 1990, 99, 1283-1291.	1.3	63
59	Chronic Administration of the Glucagon-Like Peptide-1 Analog, Liraglutide, Delays the Onset of Diabetes and Lowers Triglycerides in UCD-T2DM Rats. <i>Diabetes</i> , 2010, 59, 2653-2661.	0.6	63
60	Forebrain melanocortin signaling enhances the hindbrain satiety response to CCK-8. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2009, 296, R476-R484.	1.8	61
61	Hindbrain Oxytocin Receptors Contribute to the Effects of Circulating Oxytocin on Food Intake in Male Rats. <i>Endocrinology</i> , 2014, 155, 2845-2857.	2.8	61
62	Ontogenetic changes in vasopressin binding site distribution in rat brain: An autoradiographic study. <i>Developmental Brain Research</i> , 1986, 28, 63-68.	1.7	60
63	Leptin binding in the arcuate nucleus is increased during fasting. <i>Brain Research</i> , 1999, 828, 154-158.	2.2	56
64	Immunocytochemical detection of insulin receptor substrate-1 (IRS-1) in rat brain: colocalization with phosphotyrosine. <i>Regulatory Peptides</i> , 1993, 48, 257-266.	1.9	55
65	Insulin, Neuropeptide Y, and Food Intake. <i>Annals of the New York Academy of Sciences</i> , 1993, 692, 60-71.	3.8	55
66	An inexpensive microcomputer digital imaging system for densitometry: quantitative autoradiography of insulin receptors with <sup>125</sup> I and LKB ultrafilm. <i>Journal of Neuroscience Methods</i> , 1986, 16, 119-129.	2.5	49
67	Characterization of Insulin-Like Growth Factor I Receptors in the Median Eminence of the Brain and Their Modulation by Food Restriction*. <i>Endocrinology</i> , 1988, 122, 1940-1947.	2.8	47
68	Somatostatin in epithelial cells of intestinal mucosa is present primarily as somatostatin 28. <i>Peptides</i> , 1984, 5, 615-621.	2.4	46
69	Hindbrain leptin receptor stimulation enhances the anorexic response to cholecystokinin. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2009, 297, R1238-R1246.	1.8	44
70	Dietary fructose accelerates the development of diabetes in UCD-T2DM rats: amelioration by the antioxidant, l- $\alpha$ -lipoic acid. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2010, 298, R1343-R1350.	1.8	44
71	Peptide signals regulating food intake and energy homeostasis. <i>Canadian Journal of Physiology and Pharmacology</i> , 2002, 80, 396-406.	1.4	43
72	SOCS-3 expression in leptin-sensitive neurons of the hypothalamus of fed and fasted rats. <i>Regulatory Peptides</i> , 2000, 92, 9-15.	1.9	42

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73	Localization of Insulin and Type 1 IGF Receptors in Rat Brain by in Vitro Autoradiography and in Situ Hybridization. <i>Advances in Experimental Medicine and Biology</i> , 1991, 293, 459-470.	1.6	40
74	Fluorescence In Situ Hybridization of Scarce Leptin Receptor mRNA using the Enzyme-Labeled Fluorescent Substrate Method and Tyramide Signal Amplification. <i>Journal of Histochemistry and Cytochemistry</i> , 2000, 48, 1593-1599.	2.5	39
75	A Historical Perspective on the Identification of Cell Types in Pancreatic Islets of Langerhans by Staining and Histochemical Techniques. <i>Journal of Histochemistry and Cytochemistry</i> , 2015, 63, 543-558.	2.5	39
76	High-fat diet feeding causes rapid, non-apoptotic cleavage of caspase-3 in astrocytes. <i>Brain Research</i> , 2013, 1512, 97-105.	2.2	36
77	The infracerebral gland ? a possible neuroendocrine complex in Nereis. <i>Journal of Morphology</i> , 1968, 124, 187-215.	1.2	33
78	Insulin binding in the hypothalamus of lean and genetically obese Zucker rats. <i>Peptides</i> , 1989, 10, 1159-1164.	2.4	33
79	Immunocytochemistry and Laser Capture Microdissection for Real-time Quantitative PCR Identify Hindbrain Neurons Activated by Interaction Between Leptin and Cholecystokinin. <i>Journal of Histochemistry and Cytochemistry</i> , 2008, 56, 285-293.	2.5	32
80	Calibration of [ <sup>14</sup> C]plastic standards for quantitative autoradiography of [ <sup>125</sup> I]labeled ligands with Amersham Hyperfilm <sup>125</sup> -max. <i>Neuroscience Letters</i> , 1989, 104, 171-177.	2.1	31
81	Fine structure, functional organization and supportive role of neuroglia in Nereis. <i>Tissue and Cell</i> , 1971, 3, 579-587.	2.2	30
82	Immunocytochemical identification of cells containing insulin, glucagon, somatostatin, and pancreatic polypeptide in the islets of langerhans of the guinea pig pancreas with light and electron microscopy. <i>The Anatomical Record</i> , 1984, 208, 567-578.	1.8	30
83	The fine structure of neuroglia in the central nervous system of nereid polychaetes. <i>Cell and Tissue Research</i> , 1971, 119, 295-308.	2.9	29
84	Effects of Ginkgolide B, A Platelet-Activating Factor Inhibitor on Insulinitis in the Spontaneously Diabetic Bb Rat. <i>Autoimmunity</i> , 1991, 9, 225-235.	2.6	24
85	Localization and Characterization of Binding Sites with High Affinity for [ <sup>3</sup> H]Ouabain in Cerebral Cortex of Rabbit Brain Using Quantitative Autoradiography. <i>Journal of Neurochemistry</i> , 1989, 52, 193-200.	3.9	22
86	Reduction of insulin binding in the arcuate nucleus of the rat hypothalamus after 6-hydroxydopamine treatment. <i>Brain Research</i> , 1989, 500, 149-155.	2.2	22
87	Leptin and the brain: then and now. <i>Journal of Clinical Investigation</i> , 2013, 123, 2344-2345.	8.2	22
88	Interleukin-1 $\beta$ regulation of islet and thyroid autoimmunity in the BB rat. <i>Journal of Autoimmunity</i> , 1991, 4, 717-732.	6.5	21
89	Metabolic, gastrointestinal, and CNS neuropeptide effects of brain leptin administration in the rat. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 1999, 276, R1425-R1433.	1.8	19
90	Thrittene, Homologous with Somatostatin-28(1 $\alpha$ € <sup>13</sup> ), Is a Novel Peptide in Mammalian Gut and Circulation. <i>Endocrinology</i> , 2002, 143, 2599-2609.	2.8	18

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91	Neurosecretion and the Endocrinology of Nereid Polychaetes. <i>American Zoologist</i> , 1976, 16, 107-124.	0.7	16
92	Evidence that galanin is a parasympathetic, rather than a sympathetic, neurotransmitter in the baboon pancreas. <i>Regulatory Peptides</i> , 1996, 67, 93-101.	1.9	14
93	Studies on the infracerebral gland of the polychaete annelid, <i>Nereis limnicola</i> , in relation to reproduction, salinity, and regeneration. <i>General and Comparative Endocrinology</i> , 1970, 15, 352-360.	1.8	13
94	Functional classification of cell types in the growth hormone- and prolactin-secreting rat MtTW15 mammosomatotropic tumor with ultrastructural immunocytochemistry. <i>American Journal of Anatomy</i> , 1980, 158, 455-461.	1.0	11
95	EXPERIMENTAL STUDIES ON THE ENDOCRINOLOGY AND REPRODUCTIVE BIOLOGY OF THE VIVIPAROUS POLYCHAETE ANNELID, NEREIS LIMNICOLA JOHNSON. <i>Biological Bulletin</i> , 1970, 139, 461-475.	1.8	10
96	Single-Minded View of Melanocortin Signaling in Energy Homeostasis. <i>Endocrinology</i> , 2006, 147, 4539-4541.	2.8	10
97	A possible neuroendocrine system in polynoid polychaetes. <i>Journal of Morphology</i> , 1971, 133, 93-103.	1.2	8
98	Effect of paraformaldehyde fixation on localization and characterization of insulin-like growth factor-I (IGF-I) receptors in the rat brain. <i>The Anatomical Record</i> , 1991, 231, 467-472.	1.8	8
99	Immuno-Laser Capture Microdissection of Rat Brain Neurons for Real Time Quantitative PCR. <i>Methods in Molecular Biology</i> , 2010, 588, 219-230.	0.9	8
100	Food intake and estradiol effects on insulin binding in brain and liver. <i>Physiology and Behavior</i> , 1993, 53, 757-762.	2.1	7
101	Galanin is localized in sympathetic neurons of the dog liver. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 1997, 273, E1194-E1202.	3.5	7
102	Improving the State of the Science of Immunohistochemistry. <i>Journal of Histochemistry and Cytochemistry</i> , 2014, 62, 691-692.	2.5	7
103	Protection from Bb Rat Diabetes by the Platelet-Activating Factor Inhibitor BN50730. <i>Autoimmunity</i> , 1993, 16, 259-266.	2.6	5
104	Insulin-Like Growth Factors as Regulatory Peptides in the Adult Rat Brain. , 1989, , 427-434.		3
105	Insulin in the Central Nervous System: A Regulator of Appetite and Body Weight. , 1987, , 151-162.		3
106	Regulation of Food Intake and Body Weight. , 1997, , 25-56.		1
107	Histochemical Insights into Pancreatic Islet Biology. <i>Journal of Histochemistry and Cytochemistry</i> , 2015, 63, 541-542.	2.5	0