

# Barbara C Hansen

## List of Publications by Year in descending order

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110  
papers

6,206  
citations

109137

35  
h-index

69108

77  
g-index

114  
all docs

114  
docs citations

114  
times ranked

8200  
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of omentin as a novel depot-specific adipokine in human adipose tissue: possible role in modulating insulin action. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2006, 290, E1253-E1261.	1.8	709
2	The Metabolic State of Diabetic Monkeys Is Regulated by Fibroblast Growth Factor-21. <i>Endocrinology</i> , 2007, 148, 774-781.	1.4	659
3	Low Urinary <i>chiro</i> -Inositol Excretion in Non-Insulin-Dependent Diabetes Mellitus. <i>New England Journal of Medicine</i> , 1990, 323, 373-378.	13.9	222
4	Does obesity cause type 2 diabetes mellitus (T2DM)? Or is it the opposite?. <i>Pediatric Diabetes</i> , 2019, 20, 5-9.	1.2	212
5	Mortality and Morbidity in Laboratory-maintained Rhesus Monkeys and Effects of Long-term Dietary Restriction. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2003, 58, B212-B219.	1.7	202
6	Plasma lipid profiling across species for the identification of optimal animal models of human dyslipidemia. <i>Journal of Lipid Research</i> , 2012, 53, 51-65.	2.0	169
7	Self-reportâ€based estimates of energy intake offer an inadequate basis for scientific conclusions. <i>American Journal of Clinical Nutrition</i> , 2013, 97, 1413-1415.	2.2	157
8	Rapid Oscillations in Plasma Insulin, Glucagon, and Glucose in Obese and Normal Weight Humans*. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1982, 54, 785-792.	1.8	152
9	Primary Prevention of Diabetes Mellitus by Prevention of Obesity in Monkeys. <i>Diabetes</i> , 1993, 42, 1809-1814.	0.3	147
10	Clinical Management of Metabolic Syndrome. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2004, 24, e19-24.	1.1	147
11	Loss of Î²-Cell Identity Occurs in Type 2 Diabetes and Is Associated With Islet Amyloid Deposits. <i>Diabetes</i> , 2015, 64, 2928-2938.	0.3	141
12	LY2405319, an Engineered FGF21 Variant, Improves the Metabolic Status of Diabetic Monkeys. <i>PLoS ONE</i> , 2013, 8, e65763.	1.1	139
13	cDNA Cloning, Genomic Structure, Chromosomal Mapping, and Functional Expression of a Novel Human Alanine Aminotransferase. <i>Genomics</i> , 2002, 79, 445-450.	1.3	111
14	Long-Term Dietary Restriction in Older-Aged Rhesus Monkeys: Effects on Insulin Resistance. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 1995, 50A, B142-B147.	1.7	109
15	Neutrophils Are Associated With Capillary Closure in Spontaneously Diabetic Monkey Retinas. <i>Diabetes</i> , 2005, 54, 1534-1542.	0.3	101
16	Galectin-12, an Adipose-expressed Galectin-like Molecule Possessing Apoptosis-inducing Activity. <i>Journal of Biological Chemistry</i> , 2001, 276, 34089-34097.	1.6	95
17	Differential hypertrophy and atrophy among all types of cutaneous innervation in the glabrous skin of the monkey hand during aging and naturally occurring type 2 diabetes. <i>Journal of Comparative Neurology</i> , 2007, 501, 543-567.	0.9	92
18	An Anti-PCSK9 Antibody Reduces LDL-Cholesterol On Top Of A Statin And Suppresses Hepatocyte SREBP-Regulated Genes. <i>International Journal of Biological Sciences</i> , 2012, 8, 310-327.	2.6	91

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19	Glomerular hypertrophy is associated with hyperinsulinemia and precedes overt diabetes in aging rhesus monkeys. <i>American Journal of Kidney Diseases</i> , 2002, 40, 1075-1085.	2.1	88
20	Metabolomics Reveals Attenuation of the SLC6A20 Kidney Transporter in Nonhuman Primate and Mouse Models of Type 2 Diabetes Mellitus. <i>Journal of Biological Chemistry</i> , 2011, 286, 19511-19522.	1.6	78
21	Skeletal Muscle Insulin Resistance in Obesity-Associated Type 2 Diabetes in Monkeys Is Linked to a Defect in Insulin Activation of Protein Kinase C- $\beta$ . <i>Diabetes</i> , 2002, 51, 2936-2943.	0.3	74
22	Brain Insulin Signaling Is Increased in Insulin-Resistant States and Decreases in FOXOs and PGC-1 $\alpha$ and Increases in Akt1 $\beta$ and Phospho-Tau May Affect Alzheimer Development. <i>Diabetes</i> , 2016, 65, 1892-1903.	0.3	72
23	Age-Related Changes in Metabolic Parameters of Nonhuman Primates. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2004, 59, 1081-1088.	1.7	62
24	Effects of fenofibrate on lipid parameters in obese rhesus monkeys. <i>Journal of Lipid Research</i> , 2001, 42, 1543-1551.	2.0	59
25	APOLIPOPROTEIN E IS ASSOCIATED WITH ISLET AMYLOID AND OTHER AMYLOIDOSES: IMPLICATIONS FOR ALZHEIMER'S DISEASE. <i>Journal of Pathology</i> , 1996, 179, 443-447.	2.1	55
26	Retinopathy in Monkeys with Spontaneous Type 2 Diabetes. , 2004, 45, 4543.		51
27	Prevention of Obesity in Middle-Aged Monkeys: Food Intake During Body Weight Clamp. <i>Obesity</i> , 1995, 3, 199s-204s.	4.0	46
28	Regulation of obese (ob) mRNA and Plasma Leptin Levels in Rhesus Monkeys. <i>Journal of Biological Chemistry</i> , 1996, 271, 25327-25331.	1.6	42
29	Exercise training and calorie restriction increase SREBP-1 expression and intramuscular triglyceride in skeletal muscle. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2006, 291, E90-E98.	1.8	41
30	Effects of D-Chiroinositol Added to a Meal on Plasma Glucose and Insulin in Hyperinsulinemic Rhesus Monkeys. <i>Obesity</i> , 1995, 3, 605S-608S.	4.0	39
31	Effects of aleglitazar, a balanced dual peroxisome proliferator-activated receptor $\alpha/\beta$ agonist on glycemic and lipid parameters in a primate model of the metabolic syndrome. <i>Cardiovascular Diabetology</i> , 2011, 10, 7.	2.7	38
32	Changes in Lipoprotein Concentrations during the Development of Noninsulin-Dependent Diabetes Mellitus in Obese Rhesus Monkeys ( <i>Macaca mulatta</i> ). <i>Journal of Clinical Endocrinology and Metabolism</i> , 1991, 72, 1067-1072.	1.8	37
33	PPAR $\alpha$ L162V underlies variation in serum triglycerides and subcutaneous fat volume in young males. <i>BMC Medical Genetics</i> , 2007, 8, 55.	2.1	37
34	Macrophages and pancreatic islet amyloidosis. <i>Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis</i> , 1998, 5, 247-254.	1.4	36
35	Biochemical and morphological effects of K-111, a peroxisome proliferator-activated receptor (PPAR) $\alpha$ activator, in non-human primates. <i>Biochemical Pharmacology</i> , 2004, 68, 239-251.	2.0	32
36	Antagonistic targeting of the histamine H3 receptor decreases caloric intake in higher mammalian species. <i>Biochemical Pharmacology</i> , 2007, 73, 1237-1242.	2.0	31

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37	Investigation and Treatment of Type 2 Diabetes in Nonhuman Primates. <i>Methods in Molecular Biology</i> , 2012, 933, 177-185.	0.4	31
38	The $\beta$ -adrenergic receptor in the obesity and diabetes prone rhesus monkey is very similar to human and contains arginine at codon 64. <i>Gene</i> , 1997, 188, 207-213.	1.0	30
39	Increased vimentin in human $\beta$ - and $\beta$ -cells in type 2 diabetes. <i>Journal of Endocrinology</i> , 2017, 233, 217-227.	1.2	30
40	Regulation of food intake in monkeys: Response to caloric dilution. <i>Physiology and Behavior</i> , 1981, 26, 479-486.	1.0	29
41	Nuclear magnetic resonance-determined lipoprotein abnormalities in nonhuman primates with the metabolic syndrome and type 2 diabetes mellitus. <i>Metabolism: Clinical and Experimental</i> , 2007, 56, 838-846.	1.5	28
42	Characterization of the Rhesus Monkey Ghrelin Gene and Factors Influencing Ghrelin Gene Expression and Fasting Plasma Levels. <i>Endocrinology</i> , 2004, 145, 2197-2205.	1.4	27
43	Chronic Calorie Restriction Alters Glycogen Metabolism in Rhesus Monkeys. <i>Obesity</i> , 1994, 2, 549-555.	4.0	26
44	Comparison between Surrogate Indexes of Insulin Sensitivity/Resistance and Hyperinsulinemic Euglycemic Glucose Clamps in Rhesus Monkeys. <i>Endocrinology</i> , 2011, 152, 414-423.	1.4	26
45	In vivo D-chiroinositol activates skeletal muscle glycogen synthase and inactivates glycogen phosphorylase in rhesus monkeys. <i>Journal of Nutritional Biochemistry</i> , 1995, 6, 499-503.	1.9	25
46	Control of food intake and meal patterns in monkeys. <i>Physiology and Behavior</i> , 1981, 27, 803-810.	1.0	21
47	Feeding behavior during experimentally induced obesity in monkeys. <i>Physiology and Behavior</i> , 1984, 33, 863-869.	1.0	19
48	Ensuring due process in the IACUC and animal welfare setting: considerations in developing noncompliance policies and procedures for institutional animal care and use committees and institutional officials. <i>FASEB Journal</i> , 2017, 31, 4216-4225.	0.2	19
49	Vasomotion Becomes Less Random as Diabetes Progresses in Monkeys. <i>Microcirculation</i> , 2011, 18, 429-439.	1.0	18
50	Atypical PKC, PKC $\delta$ , activates $\beta$ -secretase and increases A $\beta$ 40/42 and phospho-tau in mouse brain and isolated neuronal cells, and may link hyperinsulinemia and other aPKC activators to development of pathological and memory abnormalities in Alzheimer's disease. <i>Neurobiology of Aging</i> , 2018, 61, 225-237.	1.5	18
51	Determination of hemoglobin A1c and fasting blood glucose reference intervals in captive chimpanzees ( <i>Pan troglodytes</i> ). <i>Journal of the American Association for Laboratory Animal Science</i> , 2011, 50, 165-70.	0.6	18
52	Decreased Hepatic Insulin Extraction Precedes Overt Noninsulin Dependent (Type II) Diabetes in Obese Monkeys. <i>Obesity</i> , 1993, 1, 252-260.	4.0	17
53	Influence of somatostatin on gastric motility and meal absorption in rhesus monkeys, <i>Macaca mulatta</i> . <i>Metabolism: Clinical and Experimental</i> , 1981, 30, 335-339.	1.5	16
54	Endogenous and diet-induced hypercholesterolemia in nonhuman primates: effects of age, adiposity, and diabetes on lipoprotein profiles. <i>Metabolism: Clinical and Experimental</i> , 2011, 60, 1165-1177.	1.5	16

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55	Quantification of $\beta$ -cell insulin secretory function using a graded glucose infusion with C-peptide deconvolution in dysmetabolic, and diabetic cynomolgus monkeys. <i>Diabetology and Metabolic Syndrome</i> , 2013, 5, 40.	1.2	16
56	Xenograft of microencapsulated Sertoli cells restores glucose homeostasis in db/db mice with spontaneous diabetes mellitus. <i>Xenotransplantation</i> , 2016, 23, 429-439.	1.6	16
57	Diversity of Insulin Resistance in Monkeys with Normal Glucose Tolerance. <i>Obesity</i> , 1993, 1, 364-370.	4.0	14
58	A Thiazolidinedione Improves In Vivo Insulin Action on Skeletal Muscle Glycogen Synthase in Insulin-Resistant Monkeys. <i>International Journal of Experimental Diabetes Research</i> , 2000, 1, 195-202.	1.0	14
59	Prostaglandylinositol cyclic phosphate (cPIP): a novel second messenger of insulin action. Comparative analysis of two kinds of ?insulin mediators?. <i>Diabetes/Metabolism Research and Reviews</i> , 2001, 17, 273-284.	1.7	14
60	Age-Related Changes in Fasting Plasma Cortisol in Rhesus Monkeys: Implications of Individual Differences for Pathological Consequences. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2004, 59, B424-B432.	1.7	14
61	Role of Sertoli Cell Proteins in Immunomodulation. <i>Protein and Peptide Letters</i> , 2018, 25, 440-445.	0.4	14
62	An in vitro prototype of a porcine biomimetic testis-like cell culture system: a novel tool for the study of reassembled Sertoli and Leydig cells. <i>Asian Journal of Andrology</i> , 2018, 20, 160.	0.8	14
63	Immunohistochemical Staining and Morphometric Analysis of the Monkey Choroidal Vasculature. <i>Experimental Eye Research</i> , 2002, 75, 201-208.	1.2	13
64	A novel peroxisome proliferator-activated receptor $\alpha/\beta$ dual agonist ameliorates dyslipidemia and insulin resistance in prediabetic rhesus monkeys. <i>Metabolism: Clinical and Experimental</i> , 2007, 56, 1334-1339.	1.5	13
65	Insulin Signaling and Insulin Sensitizing in Muscle and Liver of Obese Monkeys: Peroxisome Proliferator-Activated Receptor Gamma Agonist Improves Defective Activation of Atypical Protein Kinase C. <i>Antioxidants and Redox Signaling</i> , 2011, 14, 207-219.	2.5	13
66	Elevated plasma cell membrane glycoprotein levels and diminished insulin receptor autophosphorylation in obese, insulin-resistant rhesus monkeys. <i>Metabolism: Clinical and Experimental</i> , 2002, 51, 465-470.	1.5	12
67	Monkey Leptin Receptor mRNA: Sequence, Tissue Distribution, and mRNA Expression in the Adipose Tissue of Normal, Hyperinsulinemic, and Type 2 Diabetic Rhesus Monkeys. <i>Obesity</i> , 1998, 6, 353-360.	4.0	11
68	Skeletal muscle glycogen synthase subcellular localization: effects of insulin and PPAR- $\alpha$ agonist (K-111) administration in rhesus monkeys. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2005, 288, R1509-R1517.	0.9	11
69	Cholecystokinin effects on feeding, glucose, and pancreatic hormones in rhesus monkeys. <i>Physiology and Behavior</i> , 1983, 30, 509-518.	1.0	10
70	Insulin Unexpectedly Increases the Glucose 6-Phosphate Ka of Skeletal Muscle Glycogen Synthase in Calorie-Restricted Monkeys. <i>Journal of Basic and Clinical Physiology and Pharmacology</i> , 1998, 9, 309-23.	0.7	10
71	Longitudinal dynamics of body weight change in the development of type 2 diabetes. <i>Obesity</i> , 2013, 21, 1643-1649.	1.5	9
72	Progressive nature of obesity and diabetes in nonhuman primates. <i>Obesity</i> , 2017, 25, 663-664.	1.5	8

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73	Altered expression of p63 isoforms and expansion of p63- and club cell secretory protein-positive epithelial cells in the lung as novel features of aging. <i>American Journal of Physiology - Cell Physiology</i> , 2019, 316, C492-C508.	2.1	8
74	Paradoxical increase in dermal microvascular flow in pre-diabetes associated with elevated levels of CRP. <i>Clinical Hemorheology and Microcirculation</i> , 2006, 34, 273-82.	0.9	8
75	Academic and scientific misconduct: Issues for nursing educators. <i>Journal of Professional Nursing</i> , 1995, 11, 31-39.	1.4	7
76	Causes of Obesity and Consequences of Obesity Prevention in Non-human Primates and Other Animal Models. , 0, , 181-201.		7
77	8 Genetics of insulin action. <i>Bailliere's Clinical Endocrinology and Metabolism</i> , 1993, 7, 1033-1061.	1.0	6
78	Task Force on Strategic Research Direction. <i>Circulation</i> , 2002, 106, e167-72.	1.6	5
79	Roles of hepatic atypical protein kinase C hyperactivity and hyperinsulinemia in insulin-resistant forms of obesity and type 2 diabetes mellitus. <i>MedComm</i> , 2021, 2, 3-16.	3.1	5
80	Glomerulopathy in spontaneously obese rhesus monkeys with type 2 diabetes: a stereological study. <i>Diabetes/Metabolism Research and Reviews</i> , 2011, 27, 341-347.	1.7	4
81	Food intake and meal patterns in rhesus monkeys: Significance of chronic hyperinsulinemia. <i>Physiology and Behavior</i> , 1990, 48, 519-522.	1.0	3
82	Scientific fraud and the Public Health Service Act: a critical analysis. <i>FASEB Journal</i> , 1991, 5, 2512-2515.	0.2	3
83	An Unjustified Conclusion from Self-report-based Estimates of Energy Intake. <i>American Journal of Medicine</i> , 2014, 127, e33.	0.6	3
84	Using photovoice to explore social determinants of obesity in two underserved communities in the southeast. <i>Sociological Spectrum</i> , 2019, 39, 405-423.	1.0	3
85	InositolsâPotential roles in insulin action and in diabetes: Evidence from insulin-resistant nonhuman primates. , 1996, , 333-348.		3
86	A Comment on the Comment: Relevance of Nonhuman Primate Dietary Restriction to Aging in Humans. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2005, 60, 951-952.	1.7	2
87	Proper Role of the Office of Scientific Integrity: Institutional vs. Federal Responsibilities. <i>FASEB Journal</i> , 1991, 5, 2507-2508.	0.2	1
88	Deep subconjunctival injection of gentamicin for the treatment of bacterial conjunctivitis in macaques ( <i>Macaca mulatta</i> and <i>Macaca fascicularis</i> ). <i>Lab Animal</i> , 2015, 44, 92-96.	0.2	1
89	Longitudinal Study of Rhesus Monkeys Determines That Amylase and Lipase Levels Are Significant Risk Factors for Type 2 Diabetes Mellitus. <i>FASEB Journal</i> , 2018, 32, 607.2.	0.2	1
90	Effects of Sertoli cells Implantation on Type 2 Diabetes in Nonhuman Primates. <i>FASEB Journal</i> , 2013, 27, 1154.3.	0.2	1

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91	The Obesity Society is turning 40: A history of the early years. <i>Obesity</i> , 2021, 29, 1978-1981.	1.5	1
92	Iron deficiency, but not anemia, is identified in naturally occurring obesity and insulin resistance in male nonhuman primates. <i>Journal of Medical Primatology</i> , 2022, 51, 165-171.	0.3	1
93	Obesity and Nutritional Assessment: Overview. <i>Experimental Biology and Medicine</i> , 1992, 200, 194-196.	1.1	0
94	Differential Proopiomelanocortin Processing in the Rhesus Monkey Intermediate Pituitary. <i>Annals of the New York Academy of Sciences</i> , 1993, 680, 585-587.	1.8	0
95	Authors' Response to Commentary on "Age-Related Adipose Tissue mRNA Expression of ADD1/SREBP1, PPAR $\alpha$ , Lipoprotein Lipase and GLUT4 Glucose Transporter in Rhesus Monkeys". <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 1999, 54, B191-B191.	1.7	0
96	Type 2 diabetes completely prevented by long term restraint of calories to maintain body fat below 25%. <i>Diabetes Research and Clinical Practice</i> , 2000, 50, 399-400.	1.1	0
97	Rosiglitazone alters insulin secretion, glycogen metabolism and triglycerides in prediabetic monkeys. <i>Diabetes Research and Clinical Practice</i> , 2000, 50, 391.	1.1	0
98	Prevention of Obesity. , 2005, , 399-412.		0
99	Nonhuman primate advances in nutrition research. <i>American Journal of Clinical Nutrition</i> , 2013, 98, 264-265.	2.2	0
100	Response to Protocol Review Scenario: Patient-pet interactions. <i>Lab Animal</i> , 2014, 43, 121-121.	0.2	0
101	George A. Bray, MD: Progress in Obesity—Multidisciplinary Research, Multidimensional Man. <i>Diabetes Care</i> , 2016, 39, 1481-1485.	4.3	0
102	Pharmacology of a Selective Peroxisome Proliferator-Activated Receptor $\gamma$ Agonist, GW501516, in Obese Dyslipidemic Primates. <i>Medical Science Symposia Series</i> , 2002, , 131-134.	0.0	0
103	PPAR $\delta$ L162V Shows Strong Sex-Specific Effects on Subcutaneous Arm Fat Volume. <i>Medicine and Science in Sports and Exercise</i> , 2006, 38, S365.	0.2	0
104	A high fat diet failed to enhance the progressive development of the metabolic syndrome (MS) and type 2 diabetes mellitus (T2DM) in middle-aged non human primates (NHPs). <i>FASEB Journal</i> , 2009, 23, 722.13.	0.2	0
105	Impaired micro vascular function and prolongation of recovery time post-occlusion observed in diabetic non-human primates. <i>FASEB Journal</i> , 2009, 23, 594.21.	0.2	0
106	Obesity/diabetes-associated gene screening in rhesus monkeys. <i>FASEB Journal</i> , 2011, 25, 859.4.	0.2	0
107	Comparative metabolic physiology of cynomolgus ( <i>Macaca fascicularis</i> ) and rhesus ( <i>Macaca mulatta</i> ): The nature of their naturally occurring diabetes and metabolic syndrome. <i>FASEB Journal</i> , 2012, 26, 1126.10.	0.2	0
108	Prevention of Obesity. , 1999, , 347-357.		0

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109	Modeling of the Fasting Plasma Glucose Identified an Equation Providing Significantly Earlier Identification of Overt Type 2 Diabetes in Nonhuman Primates (NHPs). <i>FASEB Journal</i> , 2015, 29, 805.8.	0.2	0
110	Longitudinal Regulatory Changes Standardized to Identify the Sequence of Key Mechanisms in the Progression from Normal to Overt Type 2 Diabetes Mellitus: Translation from Nonhuman Primates (NHP's) to Human Cohort Studies. <i>FASEB Journal</i> , 2019, 33, 759.2.	0.2	0