BarbaraÂ C Hansen

List of Publications by Year
in descending order

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	Iron deficiency, but not anemia, is identified in naturally occurring obesity and insulin resistance in male nonhuman primates. Journal of Medical Primatology, 2022, 51, 165-171.	0.3	1
2	Roles of hepatic atypical protein kinase C hyperactivity and hyperinsulinemia in insulinâ€resistant forms of obesity and type 2 diabetes mellitus. MedComm, 2021, 2, 3-16.	3.1	5
3	The Obesity Society is turning 40: A history of the early years. Obesity, 2021, 29, 1978-1981.	1.5	1
4	Using photovoice to explore social determinants of obesity in two underserved communities in the southeast. Sociological Spectrum, 2019, 39, 405-423.	1.0	3
5	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. American Journal of Physiology - Cell Physiology, 2019, 316, C492-C508.	2.1	8
6	Does obesity cause type 2 diabetes mellitus (T2DM)? Or is it the opposite?. Pediatric Diabetes, 2019, 20, 5-9.	1.2	212
7	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. FASEB Journal, 2019, 33, 759.2.	0.2	0
8	Atypical PKC, PKCÎ»/Î¹, activates Î²-secretase and increases AÎ²1â€“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. Neurobiology of Aging, 2018, 61, 225-237.	1.5	18
9	Longitudinal Study of Rhesus Monkeys Determines That Amylase and Lipase Levels Are Significant Risk Factors for Type 2 Diabetes Mellitus. FASEB Journal, 2018, 32, 607.2.	0.2	1
10	Role of Sertoli Cell Proteins in Immunomodulation. Protein and Peptide Letters, 2018, 25, 440-445.	0.4	14
11	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. Asian Journal of Andrology, 2018, 20, 160.	0.8	14
12	Increased vimentin in human Î±- and Î²-cells in type 2 diabetes. Journal of Endocrinology, 2017, 233, 217-227.	1.2	30
13	Progressive nature of obesity and diabetes in nonhuman primates. Obesity, 2017, 25, 663-664.	1.5	8
14	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. FASEB Journal, 2017, 31, 4216-4225.	0.2	19
15	Xenograft of microencapsulated Sertoli cells restores glucose homeostasis in db/db mice with spontaneous diabetes mellitus. Xenotransplantation, 2016, 23, 429-439.	1.6	16
16	George A. Bray, MD: Progress in Obesityâ€”Multidisciplinary Research, Multidimensional Man. Diabetes Care, 2016, 39, 1481-1485.	4.3	0
17	Brain Insulin Signaling Is Increased in Insulin-Resistant States and Decreases in FOXOs and PGC-1Î± and Increases in AÎ²1â€“40/42 and Phospho-Tau May Abet Alzheimer Development. Diabetes, 2016, 65, 1892-1903.	0.3	72
18	Deep subconjunctival injection of gentamicin for the treatment of bacterial conjunctivitis in macaques (Macaca mulatta and Macaca fascicularis). Lab Animal, 2015, 44, 92-96.	0.2	1

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19	Loss of Î²-Cell Identity Occurs in Type 2 Diabetes and Is Associated With Islet Amyloid Deposits. Diabetes, 2015, 64, 2928-2938.	0.3	141
20	Modeling of the Fasting Plasma Glucose Identified an Equation Providing Significantly Earlier Identification of Overt Type 2 Diabetes in Nonhuman Primates (NHPs). FASEB Journal, 2015, 29, 805.8.	0.2	0
21	An Unjustified Conclusion from Self-report-based Estimates of Energy Intake. American Journal of Medicine, 2014, 127, e33.	0.6	3
22	Response to Protocol Review Scenario: Patientâ€“pet interactions. Lab Animal, 2014, 43, 121-121.	0.2	0
23	Quantification of Î²-cell insulin secretory function using a graded glucose infusion with C-peptide deconvolution in dysmetabolic, and diabetic cynomolgus monkeys. Diabetology and Metabolic Syndrome, 2013, 5, 40.	1.2	16
24	Nonhuman primate advances in nutrition research. American Journal of Clinical Nutrition, 2013, 98, 264-265.	2.2	0
25	Longitudinal dynamics of body weight change in the development of type 2 diabetes. Obesity, 2013, 21, 1643-1649.	1.5	9
26	Self-reportâ€“based estimates of energy intake offer an inadequate basis for scientific conclusions. American Journal of Clinical Nutrition, 2013, 97, 1413-1415.	2.2	157
27	LY2405319, an Engineered FGF21 Variant, Improves the Metabolic Status of Diabetic Monkeys. PLoS ONE, 2013, 8, e65763.	1.1	139
28	Effects of Sertoli cells Implantation on Type 2 Diabetes in Nonhuman Primates. FASEB Journal, 2013, 27, 1154.3.	0.2	1
29	Investigation and Treatment of Type 2 Diabetes in Nonhuman Primates. Methods in Molecular Biology, 2012, 933, 177-185.	0.4	31
30	Plasma lipid profiling across species for the identification of optimal animal models of human dyslipidemia. Journal of Lipid Research, 2012, 53, 51-65.	2.0	169
31	An Anti-PCSK9 Antibody Reduces LDL-Cholesterol On Top Of A Statin And Suppresses Hepatocyte SREBP-Regulated Genes. International Journal of Biological Sciences, 2012, 8, 310-327.	2.6	91
32	Comparative metabolic physiology of cynomolgus (Macaca fascicularis) and rhesus (Macaca mulatta): The nature of their naturally occurring diabetes and metabolic syndrome. FASEB Journal, 2012, 26, 1126.10.	0.2	0
33	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. Antioxidants and Redox Signaling, 2011, 14, 207-219.	2.5	13
34	Vasomotion Becomes Less Random as Diabetes Progresses in Monkeys. Microcirculation, 2011, 18, 429-439.	1.0	18
35	Endogenous and diet-induced hypercholesterolemia in nonhuman primates: effects of age, adiposity, and diabetes on lipoprotein profiles. Metabolism: Clinical and Experimental, 2011, 60, 1165-1177.	1.5	16
36	Effects of aleglitazar, a balanced dual peroxisome proliferator-activated receptor Î±/Î³ agonist on glycemic and lipid parameters in a primate model of the metabolic syndrome. Cardiovascular Diabetology, 2011, 10, 7.	2.7	38

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37	Glomerulopathy in spontaneously obese rhesus monkeys with type 2 diabetes: a stereological study. Diabetes/Metabolism Research and Reviews, 2011, 27, 341-347.	1.7	4
38	Comparison between Surrogate Indexes of Insulin Sensitivity/Resistance and Hyperinsulinemic Euglycemic Glucose Clamps in Rhesus Monkeys. Endocrinology, 2011, 152, 414-423.	1.4	26
39	Metabolomics Reveals Attenuation of the SLC6A20 Kidney Transporter in Nonhuman Primate and Mouse Models of Type 2 Diabetes Mellitus. Journal of Biological Chemistry, 2011, 286, 19511-19522.	1.6	78
40	Obesity/diabetesâ€associated gene screening in rhesus monkeys. FASEB Journal, 2011, 25, 859.4.	0.2	0
41	Determination of hemoglobin A1c and fasting blood glucose reference intervals in captive chimpanzees (Pan troglodytes). Journal of the American Association for Laboratory Animal Science, 2011, 50, 165-70.	0.6	18
42	A high fat diet failed to enhance the progressive development of the metabolic syndrome (MS) and type 2 diabetes mellitus (T2DM) in middleâ€aged non human primates (NHPs). FASEB Journal, 2009, 23, 722.13.	0.2	0
43	Impaired micro vascular function and prolongation of recovery time postâ€occlusion observed in diabetic nonâ€human primates. FASEB Journal, 2009, 23, 594.21.	0.2	0
44	The Metabolic State of Diabetic Monkeys Is Regulated by Fibroblast Growth Factor-21. Endocrinology, 2007, 148, 774-781.	1.4	659
45	Nuclear magnetic resonanceâ€“determined lipoprotein abnormalities in nonhuman primates with the metabolic syndrome and type 2 diabetes mellitus. Metabolism: Clinical and Experimental, 2007, 56, 838-846.	1.5	28
46	A novel peroxisome proliferatorâ€“activated receptor Î±/Î³ dual agonist ameliorates dyslipidemia and insulin resistance in prediabetic rhesus monkeys. Metabolism: Clinical and Experimental, 2007, 56, 1334-1339.	1.5	13
47	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. Journal of Comparative Neurology, 2007, 501, 543-567.	0.9	92
48	PPARÎ± L162V underlies variation in serum triglycerides and subcutaneous fat volume in young males. BMC Medical Genetics, 2007, 8, 55.	2.1	37
49	Antagonistic targeting of the histamine H3 receptor decreases caloric intake in higher mammalian species. Biochemical Pharmacology, 2007, 73, 1237-1242.	2.0	31
50	Identification of omentin as a novel depot-specific adipokine in human adipose tissue: possible role in modulating insulin action. American Journal of Physiology - Endocrinology and Metabolism, 2006, 290, E1253-E1261.	1.8	709
51	Exercise training and calorie restriction increase SREBP-1 expression and intramuscular triglyceride in skeletal muscle. American Journal of Physiology - Endocrinology and Metabolism, 2006, 291, E90-E98.	1.8	41
52	PPARÎ± L162V Shows Strong Sex-Specific Effects on Subcutaneous Arm Fat Volume. Medicine and Science in Sports and Exercise, 2006, 38, S365.	0.2	0
53	Paradoxical increase in dermal microvascular flow in pre-diabetes associated with elevated levels of CRP. Clinical Hemorheology and Microcirculation, 2006, 34, 273-82.	0.9	8
54	Prevention of Obesity. , 2005, , 399-412.		0

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55	Skeletal muscle glycogen synthase subcellular localization: effects of insulin and PPAR-Î± agonist (K-111) administration in rhesus monkeys. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2005, 288, R1509-R1517.	0.9	11
56	Neutrophils Are Associated With Capillary Closure in Spontaneously Diabetic Monkey Retinas. Diabetes, 2005, 54, 1534-1542.	0.3	101
57	A Comment on the Comment: Relevance of Nonhuman Primate Dietary Restriction to Aging in Humans. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2005, 60, 951-952.	1.7	2
58	Retinopathy in Monkeys with Spontaneous Type 2 Diabetes. , 2004, 45, 4543.		51
59	Characterization of the Rhesus Monkey Ghrelin Gene and Factors Influencing Ghrelin Gene Expression and Fasting Plasma Levels. Endocrinology, 2004, 145, 2197-2205.	1.4	27
60	Clinical Management of Metabolic Syndrome. Arteriosclerosis, Thrombosis, and Vascular Biology, 2004, 24, e19-24.	1.1	147
61	Age-Related Changes in Metabolic Parameters of Nonhuman Primates. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2004, 59, 1081-1088.	1.7	62
62	Age-Related Changes in Fasting Plasma Cortisol in Rhesus Monkeys: Implications of Individual Differences for Pathological Consequences. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2004, 59, B424-B432.	1.7	14
63	Biochemical and morphological effects of K-111, a peroxisome proliferator-activated receptor (PPAR)Î± activator, in non-human primates. Biochemical Pharmacology, 2004, 68, 239-251.	2.0	32
64	Mortality and Morbidity in Laboratory-maintained Rhesus Monkeys and Effects of Long-term Dietary Restriction. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2003, 58, B212-B219.	1.7	202
65	Task Force on Strategic Research Direction. Circulation, 2002, 106, e167-72.	1.6	5
66	Skeletal Muscle Insulin Resistance in Obesity-Associated Type 2 Diabetes in Monkeys Is Linked to a Defect in Insulin Activation of Protein Kinase C-Â/Â/Â. Diabetes, 2002, 51, 2936-2943.	0.3	74
67	Immunohistochemical Staining and Morphometric Analysis of the Monkey Choroidal Vasculature. Experimental Eye Research, 2002, 75, 201-208.	1.2	13
68	cDNA Cloning, Genomic Structure, Chromosomal Mapping, and Functional Expression of a Novel Human Alanine Aminotransferase. Genomics, 2002, 79, 445-450.	1.3	111
69	Elevated plasma cell membrane glycoprotein levels and diminished insulin receptor autophosphorylation in obese, insulin-resistant rhesus monkeys. Metabolism: Clinical and Experimental, 2002, 51, 465-470.	1.5	12
70	Glomerular hypertrophy is associated with hyperinsulinemia and precedes overt diabetes in aging rhesus monkeys. American Journal of Kidney Diseases, 2002, 40, 1075-1085.	2.1	88
71	Pharmacology of a Selective Peroxisome Proliferator-Activated Receptor Î´ Agonist, GW501516, in Obese Dyslipidemic Primates. Medical Science Symposia Series, 2002, , 131-134.	0.0	0
72	Prostaglandylinositol cyclic phosphate (cPIP): a novel second messenger of insulin action. Comparative analysis of two kinds of ?insulin mediators?. Diabetes/Metabolism Research and Reviews, 2001, 17, 273-284.	1.7	14

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73	Galectin-12, an Adipose-expressed Galectin-like Molecule Possessing Apoptosis-inducing Activity. Journal of Biological Chemistry, 2001, 276, 34089-34097.	1.6	95
74	Effects of fenofibrate on lipid parameters in obese rhesus monkeys. Journal of Lipid Research, 2001, 42, 1543-1551.	2.0	59
75	A Thiazolidinedione ImprovesIn VivoInsulin Action on Skeletal Muscle Glycogen Synthase in Insulin-Resistant Monkeys. International Journal of Experimental Diabetes Research, 2000, 1, 195-202.	1.0	14
76	Type 2 diabetes completely prevented by long term restraint of calories to maintain body fat below 25%. Diabetes Research and Clinical Practice, 2000, 50, 399-400.	1.1	0
77	Rosiglitazone alters insulin secretion, glycogen metabolism and triglycerides in prediabetic monkeys. Diabetes Research and Clinical Practice, 2000, 50, 391.	1.1	0
78	Authors' Response to Commentary on "Age-Related Adipose Tissue mRNA Expression of ADD1/SREBP1, PPARÂ, Lipoprotein Lipase and GLUT4 Glucose Transporter in Rhesus Monkeys". Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 1999, 54, B191-B191.	1.7	0
79	Prevention of Obesity. , 1999, , 347-357.		0
80	Macrophages and pancreatic islet amyloidosis. Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis, 1998, 5, 247-254.	1.4	36
81	Monkey Leptin Receptor mRNA: Sequence, Tissue Distribution, and mRNA Expression in the Adipose Tissue of Normal, Hyperinsulinemic, and Type 2 Diabetic Rhesus Monkeys. Obesity, 1998, 6, 353-360.	4.0	11
82	Insulin Unexpectedly Increases the Glucose 6-Phosphate Ka of Skeletal Muscle Glycogen Synthase in Calorie-Restricted Monkeys. Journal of Basic and Clinical Physiology and Pharmacology, 1998, 9, 309-23.	0.7	10
83	The Î²3-adrenergic receptor in the obesity and diabetes prone rhesus monkey is very similar to human and contains arginine at codon 64. Gene, 1997, 188, 207-213.	1.0	30
84	APOLIPOPROTEIN E IS ASSOCIATED WITH ISLET AMYLOID AND OTHER AMYLOIDOSES: IMPLICATIONS FOR ALZHEIMER'S DISEASE. Journal of Pathology, 1996, 179, 443-447.	2.1	55
85	Regulation of obese (ob) mRNA and Plasma Leptin Levels in Rhesus Monkeys. Journal of Biological Chemistry, 1996, 271, 25327-25331.	1.6	42
86	Inositolsâ€"Potential roles in insulin action and in diabetes: Evidence from insulin-resistant nonhuman primates. , 1996, , 333-348.		3
87	In vivo D-chiroinositol activates skeletal muscle glycogen synthase and inactivates glycogen phosphorylase in rhesus monkeys. Journal of Nutritional Biochemistry, 1995, 6, 499-503.	1.9	25
88	Long-Term Dietary Restriction in Older-Aged Rhesus Monkeys: Effects on Insulin Resistance. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 1995, 50A, B142-B147.	1.7	109
89	Effects of Dâ€Chiroinositol Added to a Meal on Plasma Glucose and Insulin in Hyperinsulinemic Rhesus Monkeys. Obesity, 1995, 3, 605S-608S.	4.0	39
90	Prevention of Obesity in Middleâ€Aged Monkeys: Food Intake During Body Weight Clamp. Obesity, 1995, 3, 199s-204s.	4.0	46

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91	Academic and scientific misconduct: Issues for nursing educators. Journal of Professional Nursing, 1995, 11, 31-39.	1.4	7
92	Chronic Calorie Restriction Alters Glycogen Metabolism in Rhesus Monkeys. Obesity, 1994, 2, 549-555.	4.0	26
93	Diversity of Insulin Resistance in Monkeys with Normal Glucose Tolerance. Obesity, 1993, 1, 364-370.	4.0	14
94	Decreased Hepatic Insulin Extraction Precedes Overt Noninsulin Dependent (Type II) Diabetes in Obese Monkeys. Obesity, 1993, 1, 252-260.	4.0	17
95	8 Genetics of insulin action. Bailliere's Clinical Endocrinology and Metabolism, 1993, 7, 1033-1061.	1.0	6
96	Differential Proopiomelanocortin Processing in the Rhesus Monkey Intermediate Pituitary. Annals of the New York Academy of Sciences, 1993, 680, 585-587.	1.8	0
97	Primary Prevention of Diabetes Mellitus by Prevention of Obesity in Monkeys. Diabetes, 1993, 42, 1809-1814.	0.3	147
98	Obesity and Nutritional Assessment: Overview. Experimental Biology and Medicine, 1992, 200, 194-196.	1.1	0
99	Scientific fraud and the Public Health Service Act: a critical analysis. FASEB Journal, 1991, 5, 2512-2515.	0.2	3
100	Proper Role of the Office of Scientific Integrity: Institutional vs. Federal Responsibilities. FASEB Journal, 1991, 5, 2507-2508.	0.2	1
101	Changes in Lipoprotein Concentrations during the Development of Noninsulin-Dependent Diabetes Mellitus in Obese Rhesus Monkeys (Macaca mulatta)*. Journal of Clinical Endocrinology and Metabolism, 1991, 72, 1067-1072.	1.8	37
102	Low Urinarychiro-Inositol Excretion in Non-Insulin-Dependent Diabetes Mellitus. New England Journal of Medicine, 1990, 323, 373-378.	13.9	222
103	Food intake and meal patterns in rhesus monkeys: Significance of chronic hyperinsulinemia. Physiology and Behavior, 1990, 48, 519-522.	1.0	3
104	Feeding behavior during experimentally induced obesity in monkeys. Physiology and Behavior, 1984, 33, 863-869.	1.0	19
105	Cholecystokinin effects on feeding, glucose, and pancreatic hormones in rhesus monkeys. Physiology and Behavior, 1983, 30, 509-518.	1.0	10
106	Rapid Oscillations in Plasma Insulin, Glucagon, and Glucose in Obese and Normal Weight Humans*. Journal of Clinical Endocrinology and Metabolism, 1982, 54, 785-792.	1.8	152
107	Influence of somatostatin on gastric motility and meal absorption in rhesus monkeys, Macaca mulatta. Metabolism: Clinical and Experimental, 1981, 30, 335-339.	1.5	16
108	Control of food intake and meal patterns in monkeys. Physiology and Behavior, 1981, 27, 803-810.	1.0	21

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109	Regulation of food intake in monkeys: Response to caloric dilution. Physiology and Behavior, 1981, 26, 479-486.	1.0	29
110	Causes of Obesity and Consequences of Obesity Prevention in Non-human Primates and Other Animal Models. , 0, , 181-201.		7