Mary Carol Gannon

List of Publications by Citations

77 papers	2,889 citations	30 h-index	52 g-index
77 ext. papers	3,133 ext. citations	6.6 avg, IF	4.96 L-index

#	Paper	IF	Citations
77	Effect of a high-protein, low-carbohydrate diet on blood glucose control in people with type 2 diabetes. *Diabetes*, **2004**, 53, 2375-82	0.9	301
76	An increase in dietary protein improves the blood glucose response in persons with type 2 diabetes. *American Journal of Clinical Nutrition*, **2003**, 78, 734-41	7	271
75	The insulin and glucose responses to meals of glucose plus various proteins in type II diabetic subjects. *Metabolism: Clinical and Experimental*, **1988**, 37, 1081-8	12.7	157
74	The metabolic response to ingested glycine. *American Journal of Clinical Nutrition*, **2002**, 76, 1302-7	7	118
73	Meal stimulation of cortisol secretion: a protein induced effect. *Metabolism: Clinical and Experimental*, **1981**, 30, 1104-8	12.7	101
72	Protein in optimal health: heart disease and type 2 diabetes. *American Journal of Clinical Nutrition*, **2008**, 87, 1571S-1575S	7	97
71	Regulation of hepatic glucose production and the role of gluconeogenesis in humans: is the rate of gluconeogenesis constant?. *Diabetes/Metabolism Research and Reviews*, **2008**, 24, 438-58	7.5	89
70	Amino acid ingestion and glucose metabolism--a review. *IUBMB Life*, **2010**, 62, 660-8	4.7	85
69	Leucine, when ingested with glucose, synergistically stimulates insulin secretion and lowers blood glucose. *Metabolism: Clinical and Experimental*, **2008**, 57, 1747-52	12.7	84
68	Control of blood glucose in type 2 diabetes without weight loss by modification of diet composition. *Nutrition and Metabolism*, **2006**, 3, 16	4.6	81
67	The serum insulin and plasma glucose responses to milk and fruit products in type 2 (non-insulin-dependent) diabetic patients. *Diabetologia*, **1986**, 29, 784-91	10.3	80
66	Postprandial plasma glucose, insulin, glucagon and triglyceride responses to a standard diet in normal subjects. *Diabetologia*, **1976**, 12, 61-7	10.3	79
65	Metabolic response to cottage cheese or egg white protein, with or without glucose, in type II diabetic subjects. *Metabolism: Clinical and Experimental*, **1992**, 41, 1137-45	12.7	68
64	Effect of Protein Ingestion on the Glucose Appearance Rate in People with Type 2 Diabetes. *Journal of Clinical Endocrinology and Metabolism*, **2001**, 86, 1040-1047	5.6	66
63	Oral arginine does not stimulate an increase in insulin concentration but delays glucose disposal. *American Journal of Clinical Nutrition*, **2002**, 76, 1016-22	7	50
62	Metabolic response to egg white and cottage cheese protein in normal subjects. *Metabolism: Clinical and Experimental*, **1990**, 39, 749-55	12.7	50
61	Metabolic response of people with type 2 diabetes to a high protein diet. *Nutrition and Metabolism*, **2004**, 1, 6	4.6	48

60	Primary structure of human liver glycogen synthase deduced by cDNA cloning. *Archives of Biochemistry and Biophysics*, **1994**, 311, 443-9	4.1	46
59	Effect of feeding, fasting, and diabetes on liver glycogen synthase activity, protein, and mRNA in rats. *Diabetologia*, **1997**, 40, 758-63	10.3	44
58	Regulation of glycogen synthesis in the liver. *American Journal of Medicine*, **1988**, 85, 77-85	2.4	44
57	Effect of the LoBAG30 diet on blood glucose control in people with type 2 diabetes. *British Journal of Nutrition*, **2008**, 99, 511-9	3.6	43
56	Integrated effects of multiple modulators on human liver glycogen phosphorylase a. *American Journal of Physiology - Endocrinology and Metabolism*, **2002**, 283, E29-37	6	42
55	The metabolic response of subjects with type 2 diabetes to a high-protein, weight-maintenance diet. *Journal of Clinical Endocrinology and Metabolism*, **2003**, 88, 3577-83	5.6	41
54	The metabolic response to a high-protein, low-carbohydrate diet in men with type 2 diabetes mellitus. *Metabolism: Clinical and Experimental*, **2006**, 55, 243-51	12.7	40
53	Effect of added fat on plasma glucose and insulin response to ingested potato in individuals with NIDDM. *Diabetes Care*, **1993**, 16, 874-80	14.6	36
52	Stability of body weight in type 2 diabetes. *Diabetes Care*, **2006**, 29, 493-7	14.6	35
51	Peripheral glucose appearance rate following fructose ingestion in normal subjects. *Metabolism: Clinical and Experimental*, **2000**, 49, 1565-71	12.7	32
50	Glucose appearance rate after the ingestion of galactose. *Metabolism: Clinical and Experimental*, **2001**, 50, 93-8	12.7	32
49	The glycogen synthase system in skeletal muscle of normal humans and patients with myotonic dystrophy: effect of glucose and insulin administration. *Metabolism: Clinical and Experimental*, **1974**, 23, 561-8	12.7	32
48	Lysine ingestion markedly attenuates the glucose response to ingested glucose without a change in insulin response. *American Journal of Clinical Nutrition*, **2009**, 90, 314-20	7	31
47	Gynecomastia and drugs: a critical evaluation of the literature. *European Journal of Clinical Pharmacology*, **2015**, 71, 569-78	2.8	30
46	Comparison of a carbohydrate-free diet vs. fasting on plasma glucose, insulin and glucagon in type 2 diabetes. *Metabolism: Clinical and Experimental*, **2015**, 64, 253-62	12.7	29
45	An improved assay for hepatic glycogen synthase in liver extracts with emphasis on synthase R. *Analytical Biochemistry*, **1989**, 178, 311-9	3.1	29
44	The metabolic response to various doses of fructose in type II diabetic subjects. *Metabolism: Clinical and Experimental*, **1992**, 41, 510-7	12.7	27
43	Effects of glucose, galactose, and lactose ingestion on the plasma glucose and insulin response in persons with non-insulin-dependent diabetes mellitus. *Metabolism: Clinical and Experimental*, **1993**, 42, 1560-7	12.7	27

42	Further decrease in glycated hemoglobin following ingestion of a LoBAG30 diet for 10 weeks compared to 5 weeks in people with untreated type 2 diabetes. *Nutrition and Metabolism*, **2010**, 7, 64	4.6	26
41	Effect of orally administered phenylalanine with and without glucose on insulin, glucagon and glucose concentrations. *Hormone and Metabolic Research*, **2006**, 38, 518-23	3.1	26
40	Glucose uptake and glycogen levels are increased in pig heart after repetitive ischemia. *American Journal of Physiology - Heart and Circulatory Physiology*, **2002**, 282, H205-11	5.2	26
39	Allosteric regulation of liver phosphorylase a: revisited under approximated physiological conditions. *Archives of Biochemistry and Biophysics*, **1996**, 328, 255-64	4.1	23
38	The metabolic response to ingestion of proline with and without glucose. *Metabolism: Clinical and Experimental*, **2004**, 53, 241-6	12.7	22
37	Effect of 24 hours of starvation on plasma glucose and insulin concentrations in subjects with untreated non-insulin-dependent diabetes mellitus. *Metabolism: Clinical and Experimental*, **1996**, 45, 492-7	12.7	21
36	Effect of a high-protein diet on ghrelin, growth hormone, and insulin-like growth factor-I and binding proteins 1 and 3 in subjects with type 2 diabetes mellitus. *Metabolism: Clinical and Experimental*, **2011**, 60, 1300-11	12.7	19
35	Effect of orally administered isoleucine with and without glucose on insulin, glucagon and glucose concentrations in non-diabetic subjects. *European E-journal of Clinical Nutrition and Metabolism*, **2008**, 3, e152-e158		19
34	The human liver Glycogen synthase isozyme gene is located on the short arm of chromosome 12. *Genomics*, **1994**, 19, 404-5	4.3	19
33	Stability over time of glycohemoglobin, glucose, and red blood cell survival in hematologically stable people without diabetes. *Metabolism: Clinical and Experimental*, **2004**, 53, 1399-404	12.7	17
32	The effect on glucagon, glucagon-like peptide-1, total and acyl-ghrelin of dietary fats ingested with and without potato. *Journal of Clinical Endocrinology and Metabolism*, **2010**, 95, 3385-91	5.6	16
31	Effect of prolonged starvation on glycogen synthase and glycogen synthase phosphatase activity in rat heart. *Journal of Nutrition*, **1984**, 114, 2147-54	4.1	16
30	Metabolic effect of a LoBAG30 diet in men with type 2 diabetes. *American Journal of Physiology - Endocrinology and Metabolism*, **2006**, 291, E786-91	6	14
29	Endogenous effectors of human liver glycogen phosphorylase modulate effects of indole-site inhibitors. *American Journal of Physiology - Endocrinology and Metabolism*, **2005**, 289, E366-72	6	14
28	The relationship between 24-hour integrated glucose concentrations and % glycohemoglobin. *Translational Research*, **2006**, 147, 21-6		12
27	Liver glycogen synthase, phosphorylase, and the glycogen concentration in rats given a glucose load orally: a 24-hour study. *Archives of Biochemistry and Biophysics*, **1994**, 315, 35-40	4.1	12
26	Effect of a LoBAG30 diet on protein metabolism in men with type 2 diabetes. A Randomized Controlled Trial. *Nutrition and Metabolism*, **2012**, 9, 43	4.6	10
25	The degree of saturation of fatty acids in dietary fats does not affect the metabolic response to ingested carbohydrate. *Journal of the American College of Nutrition*, **2009**, 28, 286-95	3.5	10

24	Dietary management of type 2 diabetes: a personal odyssey. *Journal of the American College of Nutrition*, **2007**, 26, 83-94	3.5	10
23	A fasting-induced decrease in plasma glucose concentration does not affect the insulin response to ingested protein in people with type 2 diabetes. *Metabolism: Clinical and Experimental*, **2002**, 51, 1027-33	12.7	10
22	Interaction of ingested leucine with glycine on insulin and glucose concentrations. *Journal of Amino Acids*, **2014**, 2014, 521941		9
21	Ingestion of leucine + phenylalanine with glucose produces an additive effect on serum insulin but less than additive effect on plasma glucose. *Journal of Amino Acids*, **2013**, 2013, 964637		8
20	A solubilized cellulose fiber decreases peak postprandial cholecystokinin concentrations after a liquid mixed meal in hypercholesterolemic men and women. *Journal of Nutrition*, **2003**, 133, 2194-203	4.1	8
19	Effect of starvation and insulin treatment on glycogen synthase D and synthase D phosphatase activity in rat heart. *Molecular and Cellular Biochemistry*, **1981**, 34, 31-4	4.2	8
18	Glycogen in Liver: Characteristics and Biosynthesis.. *Trends in Glycoscience and Glycotechnology*, **1996**, 8, 183-194	0.1	7
17	Dietary protein and the blood glucose concentration. *Diabetes*, **2013**, 62, 1371-2	0.9	6
16	Effect of insulin administration on cardiac glycogen synthase and synthase phosphatase activity in rats fed diets high in protein, fat or carbohydrate. *Journal of Nutrition*, **1985**, 115, 243-51	4.1	6
15	Uric acid inhibits liver phosphorylase a activity under simulated in vivo conditions. *American Journal of Physiology - Endocrinology and Metabolism*, **2001**, 280, E248-53	6	5
14	Acute effects of ingestion of carbohydrate, protein, or fat on cardiac glycogen metabolism in rats. *Metabolism: Clinical and Experimental*, **1987**, 36, 595-600	12.7	5
13	Activation of skeletal muscle glycogen synthase following glucose administration in normal males. *Metabolism: Clinical and Experimental*, **1977**, 26, 719-20	12.7	4
12	State-space models of insulin and glucose responses to diets of varying nutrient content in men and women. *Journal of Applied Physiology*, **1998**, 85, 935-45	3.7	3
11	The effect of oral casein on hepatic glycogen metabolism in fasted rats. *Metabolism: Clinical and Experimental*, **1993**, 42, 649-53	12.7	3
10	The ghrelin and leptin responses to short-term starvation vs a carbohydrate-free diet in men with type 2 diabetes; a controlled, cross-over design study. *Nutrition and Metabolism*, **2016**, 13, 47	4.6	2
9	Stability of body weight in type 2 diabetes: Response to Looker et al. *Diabetes Care*, **2006**, 29, 1991	14.6	2
8	The paradoxical response of cardiac glycogen to oral casein hydrolysate in rats. *Journal of Nutrition*, **1988**, 118, 888-94	4.1	2
7	Glucose stimulation of heart phosphorylase phosphatase activity in vitro and in vivo. *Molecular and Cellular Biochemistry*, **1984**, 63, 75-81	4.2	2

6	Circulating lipids in men with type 2 diabetes following 3 days on a carbohydrate-free diet versus 3 days of fasting. *Physiological Reports*, **2020**, 8, e14569	2.6	1
5	Bayesian parameter estimation in the oral minimal model of glucose dynamics from non-fasting conditions using a new function of glucose appearance. *Computer Methods and Programs in Biomedicine*, **2021**, 200, 105911	6.9	1
4	Glycemic response to ingested dreamfields pasta compared with traditional pasta. *Diabetes Care*, **2011**, 34, e17-8	14.6	
3	The Glycemic Response to Ingested Dreamfields Pasta Compared With Traditional Pasta. *Nutrition Today*, **2012**, 47, 222-223	1.6	
2	Dietary Management of NIDDM **1997**, 275-299		
1	A Glucose-Only Model to Extract Physiological Information from Postprandial Glucose Profiles in Subjects with Normal Glucose Tolerance. *Journal of Diabetes Science and Technology*, **2021**, 19322968211026978	4.1	