Mary Carol Gannon

List of Publications by Year
in descending order

77 papers	3,405 citations	126708 33 h-index	143772 57 g-index
77 all docs	77 docs citations	77 times ranked	3003 citing authors

#	Article	IF	Citations
1	Effect of a High-Protein, Low-Carbohydrate Diet on Blood Glucose Control in People With Type 2 Diabetes. Diabetes, 2004, 53, 2375-2382.	0.3	362
2	An increase in dietary protein improves the blood glucose response in persons with type 2 diabetes. American Journal of Clinical Nutrition, 2003, 78, 734-741.	2.2	330
3	The insulin and glucose responses to meals of glucose plus various proteins in type II diabetic subjects. Metabolism: Clinical and Experimental, 1988, 37, 1081-1088.	1.5	178
4	The metabolic response to ingested glycine. American Journal of Clinical Nutrition, 2002, 76, 1302-1307.	2.2	142
5	Meal stimulation of cortisol secretion: A protein induced effect. Metabolism: Clinical and Experimental, 1981, 30, 1104-1108.	1.5	125
6	Protein in optimal health: heart disease and type 2 diabetes. American Journal of Clinical Nutrition, 2008, 87, 1571S-1575S.	2.2	113
7	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, 438-458.	1.7	105
8	Amino acid ingestion and glucose metabolismâ€"A review. IUBMB Life, 2010, 62, 660-668.	1.5	103
9	Control of blood glucose in type 2 diabetes without weight loss by modification of diet composition. Nutrition and Metabolism, 2006, 3, 16.	1.3	100
10	Postprandial plasma glucose, insulin, glucagon and triglyceride responses to a standard diet in normal subjects. Diabetologia, 1976, 12, 61-67.	2.9	93
11	The serum insulin and plasma glucose responses to milk and fruit products in Type 2 (non-insulin-dependent) diabetic patients. Diabetologia, 1986, 29, 784-791.	2.9	92
12	Leucine, when ingested with glucose, synergistically stimulates insulin secretion and lowers blood glucose. Metabolism: Clinical and Experimental, 2008, 57, 1747-1752.	1.5	92
13	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.	1.8	82
14	Metabolic response to cottage cheese or egg white protein, with or without glucose, in type II diabetic subjects. Metabolism: Clinical and Experimental, 1992, 41, 1137-1145.	1.5	75
15	Primary Structure of Human Liver Glycogen Synthase Deduced by cDNA Cloning. Archives of Biochemistry and Biophysics, 1994, 311, 443-449.	1.4	64
16	Oral arginine does not stimulate an increase in insulin concentration but delays glucose disposal,,. American Journal of Clinical Nutrition, 2002, 76, 1016-1022.	2.2	60
17	Metabolic response of people with type 2 diabetes to a high protein diet. Nutrition and Metabolism, 2004, 1, 6.	1.3	59
18	Metabolic response to egg white and cottage cheese protein in normal subjects. Metabolism: Clinical and Experimental, 1990, 39, 749-755.	1.5	55

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19	Regulation of glycogen synthesis in the liver. American Journal of Medicine, 1988, 85, 77-85.	0.6	50
20	Effect of feeding, fasting, and diabetes on liver glycogen synthase activity, protein, and mRNA in rats. Diabetologia, 1997, 40, 758-763.	2.9	48
21	Effect of the LoBAG₃₀ diet on blood glucose control in people with type 2 diabetes. British Journal of Nutrition, 2008, 99, 511-519.	1.2	47
22	The metabolic response to a high-protein, low-carbohydrate diet in men with type 2 diabetes mellitus. Metabolism: Clinical and Experimental, 2006, 55, 243-251.	1.5	46
23	The Metabolic Response of Subjects with Type 2 Diabetes to a High-Protein, Weight-Maintenance Diet. Journal of Clinical Endocrinology and Metabolism, 2003, 88, 3577-3583.	1.8	44
24	Stability of Body Weight in Type 2 Diabetes. Diabetes Care, 2006, 29, 493-497.	4.3	44
25	Lysine ingestion markedly attenuates the glucose response to ingested glucose without a change in insulin response. American Journal of Clinical Nutrition, 2009, 90, 314-320.	2.2	43
26	Integrated effects of multiple modulators on human liver glycogen phosphorylasea. American Journal of Physiology - Endocrinology and Metabolism, 2002, 283, E29-E37.	1.8	42
27	Comparison of a carbohydrate-free diet vs. fasting on plasma glucose, insulin and glucagon in type 2 diabetes. Metabolism: Clinical and Experimental, 2015, 64, 253-262.	1.5	41
28	Effect of Added Fat on Plasma Glucose and Insulin Response to Ingested Potato in Individuals With NIDDM. Diabetes Care, 1993, 16, 874-880.	4.3	40
29	Gynecomastia and drugs: a critical evaluation of the literature. European Journal of Clinical Pharmacology, 2015, 71, 569-578.	0.8	37
30	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, 1560-1567.	1.5	36
31	Glucose appearance rate after the ingestion of galactose. Metabolism: Clinical and Experimental, 2001, 50, 93-98.	1.5	35
32	Effect of Orally Administered Phenylalanine with and without Glucose on Insulin, Glucagon and Glucose Concentrations. Hormone and Metabolic Research, 2006, 38, 518-523.	0.7	35
33	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, 561-568.	1.5	34
34	An improved assay for hepatic glycogen synthase in liver extracts with emphasis on synthase R. Analytical Biochemistry, 1989, 178, 311-319.	1.1	33
35	Peripheral glucose appearance rate following fructose ingestion in normal subjects. Metabolism: Clinical and Experimental, 2000, 49, 1565-1571.	1.5	33
36	The metabolic response to ingestion of proline with and without glucose. Metabolism: Clinical and Experimental, 2004, 53, 241-246.	1.5	30

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37	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.	1.3	29
38	The metabolic response to various doses of fructose in type II diabetic subjects. Metabolism: Clinical and Experimental, 1992, 41, 510-517.	1.5	28
39	Glucose uptake and glycogen levels are increased in pig heart after repetitive ischemia. American Journal of Physiology - Heart and Circulatory Physiology, 2002, 282, H205-H211.	1.5	28
40	Effect of 24 hours of starvation on plasma glucose and insulin concentrations in subjects with untreated nonâ€"insulin-dependent diabetes mellitus. Metabolism: Clinical and Experimental, 1996, 45, 492-497.	1.5	27
41	Allosteric Regulation of Liver Phosphorylasea: Revisited under Approximated Physiological Conditions. Archives of Biochemistry and Biophysics, 1996, 328, 255-264.	1.4	24
42	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.	0.4	24
43	The Human Liver Glycogen Synthase Isozyme Gene Is Located on the Short Arm of Chromosome 12. Genomics, 1994, 19, 404-405.	1.3	22
44	Effect of a high-protein diet on ghrelin, growth hormone, and insulin-like growth factorâ€"I and binding proteins 1 and 3 in subjects with type 2 diabetes mellitus. Metabolism: Clinical and Experimental, 2011, 60, 1300-1311.	1.5	21
45	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, 3385-3391.	1.8	20
46	Effect of Prolonged Starvation on Glycogen Synthase and Glycogen Synthase Phosphatase Activity in Rat Heart. Journal of Nutrition, 1984, 114, 2147-2154.	1.3	17
47	Stability over time of glycohemoglobin, glucose, and red blood cell survival in hematologically stable people without diabetes. Metabolism: Clinical and Experimental, 2004, 53, 1399-1404.	1.5	17
48	Metabolic effect of a LoBAG30 diet in men with type 2 diabetes. American Journal of Physiology - Endocrinology and Metabolism, 2006, 291, E786-E791.	1.8	17
49	Endogenous effectors of human liver glycogen phosphorylase modulate effects of indole-site inhibitors. American Journal of Physiology - Endocrinology and Metabolism, 2005, 289, E366-E372.	1.8	14
50	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.	1.4	13
51	The relationship between 24-hour integrated glucose concentrations and % glycohemoglobin. Translational Research, 2006, 147, 21-26.	2.4	13
52	Interaction of Ingested Leucine with Glycine on Insulin and Glucose Concentrations. Journal of Amino Acids, 2014, 2014, 1-6.	5.8	11
53	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, 1027-1033.	1.5	10
54	Dietary Management of Type 2 Diabetes: A Personal Odyssey. Journal of the American College of Nutrition, 2007, 26, 83-94.	1.1	10

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55	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, 286-295.	1.1	10
56	Effect of a LoBAG30 diet on protein metabolism in men with type 2 diabetes. A Randomized Controlled Trial. Nutrition and Metabolism, 2012, 9, 43.	1.3	10
57	A Solubilized Cellulose Fiber Decreases Peak Postprandial Cholecystokinin Concentrations after a Liquid Mixed Meal in Hypercholesterolemic Men and Women. Journal of Nutrition, 2003, 133, 2194-2203.	1.3	9
58	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, 1-6.	5.8	9
59	Effect of starvation and insulin treatment on glycogen synthase D and synthase D phosphatase activity in rat heart. Molecular and Cellular Biochemistry, 1981, 34, 31-34.	1.4	8
60	Glycogen in Liver: Characteristics and Biosynthesis.. Trends in Glycoscience and Glycotechnology, 1996, 8, 183-194.	0.0	8
61	Dietary Protein and the Blood Glucose Concentration. Diabetes, 2013, 62, 1371-1372.	0.3	7
62	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, 243-251.	1.3	6
63	Uric acid inhibits liver phosphorylase aactivity under simulated in vivo conditions. American Journal of Physiology - Endocrinology and Metabolism, 2001, 280, E248-E253.	1.8	6
64	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.	1.3	6
65	Acute effects of ingestion of carbohydrate, protein, or fat on cardiac glycogen metabolism in rats. Metabolism: Clinical and Experimental, 1987, 36, 595-600.	1.5	5
66	Activation of skeletal muscle glycogen synthase following glucose administration in normal males. Metabolism: Clinical and Experimental, 1977, 26, 719-720.	1.5	4
67	State-space models of insulin and glucose responses to diets of varying nutrient content in men and women. Journal of Applied Physiology, 1998, 85, 935-945.	1.2	4
68	The Paradoxical Response of Cardiac Glycogen to Oral Casein Hydrolysate in Rats. Journal of Nutrition, 1988, 118, 888-894.	1.3	3
69	The effect of oral casein on hepatic glycogen metabolism in fasted rats. Metabolism: Clinical and Experimental, 1993, 42, 649-653.	1.5	3
70	Stability of Body Weight in Type 2 Diabetes: Response to Looker et al.. Diabetes Care, 2006, 29, 1991-1991.	4.3	3
71	Circulating lipids in men with type 2 diabetes following 3 days on a carbohydrateâ€free diet versus 3 days of fasting. Physiological Reports, 2020, 8, e14569.	0.7	3
72	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.	2.6	3

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73	Glucose stimulation of heart phosphorylase phosphatase activity in vitro and in vivo. Molecular and Cellular Biochemistry, 1984, 63, 75-81.	1.4	2
74	A Glucose-Only Model to Extract Physiological Information from Postprandial Glucose Profiles in Subjects with Normal Glucose Tolerance. Journal of Diabetes Science and Technology, 2022, 16, 1532-1540.	1.3	2
75	Withdrawn. Diabetes Care, 2011, 34, e17-e17.	4.3	1
76	The Glycemic Response to Ingested Dreamfields Pasta Compared With Traditional Pasta. Nutrition Today, 2012, 47, 222-223.	0.6	0
77	Dietary Management of NIDDM. , 1997, , 275-299.		0