

# Mary Carol Gannon

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Bayesian parameter estimation in the oral minimal model of glucose dynamics from non-fasting conditions using a new function of glucose appearance. <i>Computer Methods and Programs in Biomedicine</i> , <b>2021</b> , 200, 105911	6.9	1
76	A Glucose-Only Model to Extract Physiological Information from Postprandial Glucose Profiles in Subjects with Normal Glucose Tolerance. <i>Journal of Diabetes Science and Technology</i> , <b>2021</b> , 19322968211026978	4.1	1
75	Circulating lipids in men with type 2 diabetes following 3 days on a carbohydrate-free diet versus 3 days of fasting. <i>Physiological Reports</i> , <b>2020</b> , 8, e14569	2.6	1
74	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. <i>Nutrition and Metabolism</i> , <b>2016</b> , 13, 47	4.6	2
73	Gynecomastia and drugs: a critical evaluation of the literature. <i>European Journal of Clinical Pharmacology</i> , <b>2015</b> , 71, 569-78	2.8	30
72	Comparison of a carbohydrate-free diet vs. fasting on plasma glucose, insulin and glucagon in type 2 diabetes. <i>Metabolism: Clinical and Experimental</i> , <b>2015</b> , 64, 253-62	12.7	29
71	Interaction of ingested leucine with glycine on insulin and glucose concentrations. <i>Journal of Amino Acids</i> , <b>2014</b> , 2014, 521941		9
70	Dietary protein and the blood glucose concentration. <i>Diabetes</i> , <b>2013</b> , 62, 1371-2	0.9	6
69	Ingestion of leucine + phenylalanine with glucose produces an additive effect on serum insulin but less than additive effect on plasma glucose. <i>Journal of Amino Acids</i> , <b>2013</b> , 2013, 964637		8
68	Effect of a LoBAG30 diet on protein metabolism in men with type 2 diabetes. A Randomized Controlled Trial. <i>Nutrition and Metabolism</i> , <b>2012</b> , 9, 43	4.6	10
67	The Glycemic Response to Ingested Dreamfields Pasta Compared With Traditional Pasta. <i>Nutrition Today</i> , <b>2012</b> , 47, 222-223	1.6	
66	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. <i>Metabolism: Clinical and Experimental</i> , <b>2011</b> , 60, 1300-11	12.7	19
65	Glycemic response to ingested dreamfields pasta compared with traditional pasta. <i>Diabetes Care</i> , <b>2011</b> , 34, e17-8	14.6	
64	Further decrease in glycosylated hemoglobin following ingestion of a LoBAG30 diet for 10 weeks compared to 5 weeks in people with untreated type 2 diabetes. <i>Nutrition and Metabolism</i> , <b>2010</b> , 7, 64	4.6	26
63	The effect on glucagon, glucagon-like peptide-1, total and acyl-ghrelin of dietary fats ingested with and without potato. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2010</b> , 95, 3385-91	5.6	16
62	Amino acid ingestion and glucose metabolism--a review. <i>IUBMB Life</i> , <b>2010</b> , 62, 660-8	4.7	85
61	Lysine ingestion markedly attenuates the glucose response to ingested glucose without a change in insulin response. <i>American Journal of Clinical Nutrition</i> , <b>2009</b> , 90, 314-20	7	31

60	The degree of saturation of fatty acids in dietary fats does not affect the metabolic response to ingested carbohydrate. <i>Journal of the American College of Nutrition</i> , <b>2009</b> , 28, 286-95	3.5	10
59	Leucine, when ingested with glucose, synergistically stimulates insulin secretion and lowers blood glucose. <i>Metabolism: Clinical and Experimental</i> , <b>2008</b> , 57, 1747-52	12.7	84
58	Effect of orally administered isoleucine with and without glucose on insulin, glucagon and glucose concentrations in non-diabetic subjects. <i>European E-journal of Clinical Nutrition and Metabolism</i> , <b>2008</b> , 3, e152-e158		19
57	Effect of the LoBAG30 diet on blood glucose control in people with type 2 diabetes. <i>British Journal of Nutrition</i> , <b>2008</b> , 99, 511-9	3.6	43
56	Protein in optimal health: heart disease and type 2 diabetes. <i>American Journal of Clinical Nutrition</i> , <b>2008</b> , 87, 1571S-1575S	7	97
55	Regulation of hepatic glucose production and the role of gluconeogenesis in humans: is the rate of gluconeogenesis constant?. <i>Diabetes/Metabolism Research and Reviews</i> , <b>2008</b> , 24, 438-58	7.5	89
54	Dietary management of type 2 diabetes: a personal odyssey. <i>Journal of the American College of Nutrition</i> , <b>2007</b> , 26, 83-94	3.5	10
53	The relationship between 24-hour integrated glucose concentrations and % glycohemoglobin. <i>Translational Research</i> , <b>2006</b> , 147, 21-6		12
52	Effect of orally administered phenylalanine with and without glucose on insulin, glucagon and glucose concentrations. <i>Hormone and Metabolic Research</i> , <b>2006</b> , 38, 518-23	3.1	26
51	Stability of body weight in type 2 diabetes. <i>Diabetes Care</i> , <b>2006</b> , 29, 493-7	14.6	35
50	Stability of body weight in type 2 diabetes: Response to Looker et al. <i>Diabetes Care</i> , <b>2006</b> , 29, 1991	14.6	2
49	Control of blood glucose in type 2 diabetes without weight loss by modification of diet composition. <i>Nutrition and Metabolism</i> , <b>2006</b> , 3, 16	4.6	81
48	The metabolic response to a high-protein, low-carbohydrate diet in men with type 2 diabetes mellitus. <i>Metabolism: Clinical and Experimental</i> , <b>2006</b> , 55, 243-51	12.7	40
47	Metabolic effect of a LoBAG30 diet in men with type 2 diabetes. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2006</b> , 291, E786-91	6	14
46	Endogenous effectors of human liver glycogen phosphorylase modulate effects of indole-site inhibitors. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2005</b> , 289, E366-72	6	14
45	Effect of a high-protein, low-carbohydrate diet on blood glucose control in people with type 2 diabetes. <i>Diabetes</i> , <b>2004</b> , 53, 2375-82	0.9	301
44	Metabolic response of people with type 2 diabetes to a high protein diet. <i>Nutrition and Metabolism</i> , <b>2004</b> , 1, 6	4.6	48
43	The metabolic response to ingestion of proline with and without glucose. <i>Metabolism: Clinical and Experimental</i> , <b>2004</b> , 53, 241-6	12.7	22

42	Stability over time of glycohemoglobin, glucose, and red blood cell survival in hematologically stable people without diabetes. <i>Metabolism: Clinical and Experimental</i> , <b>2004</b> , 53, 1399-404	12.7	17
41	The metabolic response of subjects with type 2 diabetes to a high-protein, weight-maintenance diet. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2003</b> , 88, 3577-83	5.6	41
40	A solubilized cellulose fiber decreases peak postprandial cholecystokinin concentrations after a liquid mixed meal in hypercholesterolemic men and women. <i>Journal of Nutrition</i> , <b>2003</b> , 133, 2194-203	4.1	8
39	An increase in dietary protein improves the blood glucose response in persons with type 2 diabetes. <i>American Journal of Clinical Nutrition</i> , <b>2003</b> , 78, 734-41	7	271
38	Glucose uptake and glycogen levels are increased in pig heart after repetitive ischemia. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2002</b> , 282, H205-11	5.2	26
37	The metabolic response to ingested glycine. <i>American Journal of Clinical Nutrition</i> , <b>2002</b> , 76, 1302-7	7	118
36	Oral arginine does not stimulate an increase in insulin concentration but delays glucose disposal. <i>American Journal of Clinical Nutrition</i> , <b>2002</b> , 76, 1016-22	7	50
35	Integrated effects of multiple modulators on human liver glycogen phosphorylase a. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2002</b> , 283, E29-37	6	42
34	A fasting-induced decrease in plasma glucose concentration does not affect the insulin response to ingested protein in people with type 2 diabetes. <i>Metabolism: Clinical and Experimental</i> , <b>2002</b> , 51, 1027-33	12.7	10
33	Glucose appearance rate after the ingestion of galactose. <i>Metabolism: Clinical and Experimental</i> , <b>2001</b> , 50, 93-8	12.7	32
32	Uric acid inhibits liver phosphorylase a activity under simulated in vivo conditions. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2001</b> , 280, E248-53	6	5
31	Effect of Protein Ingestion on the Glucose Appearance Rate in People with Type 2 Diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2001</b> , 86, 1040-1047	5.6	66
30	Peripheral glucose appearance rate following fructose ingestion in normal subjects. <i>Metabolism: Clinical and Experimental</i> , <b>2000</b> , 49, 1565-71	12.7	32
29	State-space models of insulin and glucose responses to diets of varying nutrient content in men and women. <i>Journal of Applied Physiology</i> , <b>1998</b> , 85, 935-45	3.7	3
28	Effect of feeding, fasting, and diabetes on liver glycogen synthase activity, protein, and mRNA in rats. <i>Diabetologia</i> , <b>1997</b> , 40, 758-63	10.3	44
27	Dietary Management of NIDDM <b>1997</b> , 275-299		
26	Allosteric regulation of liver phosphorylase a: revisited under approximated physiological conditions. <i>Archives of Biochemistry and Biophysics</i> , <b>1996</b> , 328, 255-64	4.1	23
25	Effect of 24 hours of starvation on plasma glucose and insulin concentrations in subjects with untreated non-insulin-dependent diabetes mellitus. <i>Metabolism: Clinical and Experimental</i> , <b>1996</b> , 45, 492-7	12.7	21

24	Glycogen in Liver: Characteristics and Biosynthesis.. <i>Trends in Glycoscience and Glycotechnology</i> , <b>1996</b> , 8, 183-194	0.1	7
23	Primary structure of human liver glycogen synthase deduced by cDNA cloning. <i>Archives of Biochemistry and Biophysics</i> , <b>1994</b> , 311, 443-9	4.1	46
22	Liver glycogen synthase, phosphorylase, and the glycogen concentration in rats given a glucose load orally: a 24-hour study. <i>Archives of Biochemistry and Biophysics</i> , <b>1994</b> , 315, 35-40	4.1	12
21	The human liver Glycogen synthase isozyme gene is located on the short arm of chromosome 12. <i>Genomics</i> , <b>1994</b> , 19, 404-5	4.3	19
20	Effect of added fat on plasma glucose and insulin response to ingested potato in individuals with NIDDM. <i>Diabetes Care</i> , <b>1993</b> , 16, 874-80	14.6	36
19	Effects of glucose, galactose, and lactose ingestion on the plasma glucose and insulin response in persons with non-insulin-dependent diabetes mellitus. <i>Metabolism: Clinical and Experimental</i> , <b>1993</b> , 42, 1560-7	12.7	27
18	The effect of oral casein on hepatic glycogen metabolism in fasted rats. <i>Metabolism: Clinical and Experimental</i> , <b>1993</b> , 42, 649-53	12.7	3
17	The metabolic response to various doses of fructose in type II diabetic subjects. <i>Metabolism: Clinical and Experimental</i> , <b>1992</b> , 41, 510-7	12.7	27
16	Metabolic response to cottage cheese or egg white protein, with or without glucose, in type II diabetic subjects. <i>Metabolism: Clinical and Experimental</i> , <b>1992</b> , 41, 1137-45	12.7	68
15	Metabolic response to egg white and cottage cheese protein in normal subjects. <i>Metabolism: Clinical and Experimental</i> , <b>1990</b> , 39, 749-55	12.7	50
14	An improved assay for hepatic glycogen synthase in liver extracts with emphasis on synthase R. <i>Analytical Biochemistry</i> , <b>1989</b> , 178, 311-9	3.1	29
13	Regulation of glycogen synthesis in the liver. <i>American Journal of Medicine</i> , <b>1988</b> , 85, 77-85	2.4	44
12	The insulin and glucose responses to meals of glucose plus various proteins in type II diabetic subjects. <i>Metabolism: Clinical and Experimental</i> , <b>1988</b> , 37, 1081-8	12.7	157
11	The paradoxical response of cardiac glycogen to oral casein hydrolysate in rats. <i>Journal of Nutrition</i> , <b>1988</b> , 118, 888-94	4.1	2
10	Acute effects of ingestion of carbohydrate, protein, or fat on cardiac glycogen metabolism in rats. <i>Metabolism: Clinical and Experimental</i> , <b>1987</b> , 36, 595-600	12.7	5
9	The serum insulin and plasma glucose responses to milk and fruit products in type 2 (non-insulin-dependent) diabetic patients. <i>Diabetologia</i> , <b>1986</b> , 29, 784-91	10.3	80
8	Effect of insulin administration on cardiac glycogen synthase and synthase phosphatase activity in rats fed diets high in protein, fat or carbohydrate. <i>Journal of Nutrition</i> , <b>1985</b> , 115, 243-51	4.1	6
7	Effect of prolonged starvation on glycogen synthase and glycogen synthase phosphatase activity in rat heart. <i>Journal of Nutrition</i> , <b>1984</b> , 114, 2147-54	4.1	16

6	Glucose stimulation of heart phosphorylase phosphatase activity in vitro and in vivo. <i>Molecular and Cellular Biochemistry</i> , <b>1984</b> , 63, 75-81	4.2	2
5	Meal stimulation of cortisol secretion: a protein induced effect. <i>Metabolism: Clinical and Experimental</i> , <b>1981</b> , 30, 1104-8	12.7	101
4	Effect of starvation and insulin treatment on glycogen synthase D and synthase D phosphatase activity in rat heart. <i>Molecular and Cellular Biochemistry</i> , <b>1981</b> , 34, 31-4	4.2	8
3	Activation of skeletal muscle glycogen synthase following glucose administration in normal males. <i>Metabolism: Clinical and Experimental</i> , <b>1977</b> , 26, 719-20	12.7	4
2	Postprandial plasma glucose, insulin, glucagon and triglyceride responses to a standard diet in normal subjects. <i>Diabetologia</i> , <b>1976</b> , 12, 61-7	10.3	79
1	The glycogen synthase system in skeletal muscle of normal humans and patients with myotonic dystrophy: effect of glucose and insulin administration. <i>Metabolism: Clinical and Experimental</i> , <b>1974</b> , 23, 561-8	12.7	32