

# Christopher J Nolan

## List of Publications by Citations

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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.

93  
papers

22,264  
citations

39  
h-index

104  
g-index

104  
ext. papers

25,730  
ext. citations

8.5  
avg, IF

6.5  
L-index

#	Paper	IF	Citations
93	Intensive blood glucose control and vascular outcomes in patients with type 2 diabetes. <i>New England Journal of Medicine</i> , <b>2008</b> , 358, 2560-72	59.2	5250
92	Canagliflozin and Cardiovascular and Renal Events in Type 2 Diabetes. <i>New England Journal of Medicine</i> , <b>2017</b> , 377, 644-657	59.2	3789
91	International association of diabetes and pregnancy study groups recommendations on the diagnosis and classification of hyperglycemia in pregnancy. <i>Diabetes Care</i> , <b>2010</b> , 33, 676-82	14.6	2834
90	Effects of long-term fenofibrate therapy on cardiovascular events in 9795 people with type 2 diabetes mellitus (the FIELD study): randomised controlled trial. <i>Lancet, The</i> , <b>2005</b> , 366, 1849-61	40	2421
89	Effects of a fixed combination of perindopril and indapamide on macrovascular and microvascular outcomes in patients with type 2 diabetes mellitus (the ADVANCE trial): a randomised controlled trial. <i>Lancet, The</i> , <b>2007</b> , 370, 829-40	40	1521
88	Islet beta cell failure in type 2 diabetes. <i>Journal of Clinical Investigation</i> , <b>2006</b> , 116, 1802-12	15.9	1208
87	Type 2 diabetes across generations: from pathophysiology to prevention and management. <i>Lancet, The</i> , <b>2011</b> , 378, 169-81	40	614
86	Saturated fatty acids synergize with elevated glucose to cause pancreatic beta-cell death. <i>Endocrinology</i> , <b>2003</b> , 144, 4154-63	4.8	477
85	Gestational diabetes mellitus--management guidelines. The Australasian Diabetes in Pregnancy Society. <i>Medical Journal of Australia</i> , <b>1998</b> , 169, 93-7	4	436
84	Follow-up of blood-pressure lowering and glucose control in type 2 diabetes. <i>New England Journal of Medicine</i> , <b>2014</b> , 371, 1392-406	59.2	415
83	Fatty acid signaling in the beta-cell and insulin secretion. <i>Diabetes</i> , <b>2006</b> , 55 Suppl 2, S16-23	0.9	304
82	Once-weekly albiglutide versus once-daily liraglutide in patients with type 2 diabetes inadequately controlled on oral drugs (HARMONY 7): a randomised, open-label, multicentre, non-inferiority phase 3 study. <i>Lancet Diabetes and Endocrinology, the</i> , <b>2014</b> , 2, 289-297	18.1	249
81	A role for the malonyl-CoA/long-chain acyl-CoA pathway of lipid signaling in the regulation of insulin secretion in response to both fuel and nonfuel stimuli. <i>Diabetes</i> , <b>2004</b> , 53, 1007-19	0.9	151
80	Insulin resistance as a physiological defense against metabolic stress: implications for the management of subsets of type 2 diabetes. <i>Diabetes</i> , <b>2015</b> , 64, 673-86	0.9	139
79	Clinical and histological correlations of decline in renal function in diabetic patients with proteinuria. <i>Diabetes</i> , <b>1994</b> , 43, 1046-51	0.9	137
78	Maternal efficacy and safety outcomes in a randomized, controlled trial comparing insulin detemir with NPH insulin in 310 pregnant women with type 1 diabetes. <i>Diabetes Care</i> , <b>2012</b> , 35, 2012-7	14.6	136
77	The islet beta-cell: fuel responsive and vulnerable. <i>Trends in Endocrinology and Metabolism</i> , <b>2008</b> , 19, 285-91	8.8	120

76	Beta cell compensation for insulin resistance in Zucker fatty rats: increased lipolysis and fatty acid signalling. <i>Diabetologia</i> , <b>2006</b> , 49, 2120-30	10.3	100
75	Adaptive failure to high-fat diet characterizes steatohepatitis in Alms1 mutant mice. <i>Biochemical and Biophysical Research Communications</i> , <b>2006</b> , 342, 1152-9	3.4	99
74	The fetal glucose steal: an underappreciated phenomenon in diabetic pregnancy. <i>Diabetologia</i> , <b>2016</b> , 59, 1089-94	10.3	96
73	Munc13-1 deficiency reduces insulin secretion and causes abnormal glucose tolerance. <i>Diabetes</i> , <b>2006</b> , 55, 1421-9	0.9	85
72	Genetic predisposition for beta cell fragility underlies type 1 and type 2 diabetes. <i>Nature Genetics</i> , <b>2016</b> , 48, 519-27	36.3	83
71	Pancreatic islet adaptation to fasting is dependent on peroxisome proliferator-activated receptor alpha transcriptional up-regulation of fatty acid oxidation. <i>Endocrinology</i> , <b>2005</b> , 146, 375-82	4.8	81
70	Insulin resistance and insulin hypersecretion in the metabolic syndrome and type 2 diabetes: Time for a conceptual framework shift. <i>Diabetes and Vascular Disease Research</i> , <b>2019</b> , 16, 118-127	3.3	80
69	Lipotoxicity: why do saturated fatty acids cause and monounsaturates protect against it?. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , <b>2009</b> , 24, 703-6	4	76
68	Maternal serum triglyceride, glucose tolerance, and neonatal birth weight ratio in pregnancy. <i>Diabetes Care</i> , <b>1995</b> , 18, 1550-6	14.6	74
67	Hormone-sensitive lipase has a role in lipid signaling for insulin secretion but is nonessential for the incretin action of glucagon-like peptide 1. <i>Diabetes</i> , <b>2004</b> , 53, 1733-42	0.9	62
66	Roles of adipose restriction and metabolic factors in progression of steatosis to steatohepatitis in obese, diabetic mice. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , <b>2009</b> , 24, 1658-68	4	61
65	Effects of gestational diabetes on human placental glucose uptake, transfer, and utilisation. <i>Diabetologia</i> , <b>2000</b> , 43, 576-82	10.3	57
64	Diabetes in pregnancy outcomes: a systematic review and proposed codification of definitions. <i>Diabetes/Metabolism Research and Reviews</i> , <b>2015</b> , 31, 680-90	7.5	56
63	Postprandial hyperinsulinemia is universal in non-diabetic patients with nonalcoholic fatty liver disease. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , <b>2011</b> , 26, 510-6	4	50
62	Strain dependence of diet-induced NASH and liver fibrosis in obese mice is linked to diabetes and inflammatory phenotype. <i>Liver International</i> , <b>2014</b> , 34, 1084-93	7.9	49
61	The feto-placental glucose steal phenomenon is a major cause of maternal metabolic adaptation during late pregnancy in the rat. <i>Diabetologia</i> , <b>1994</b> , 37, 976-84	10.3	49
60	Diabetes in pregnancy: a new decade of challenges ahead. <i>Diabetologia</i> , <b>2018</b> , 61, 1012-1021	10.3	48
59	Pioglitazone acutely reduces insulin secretion and causes metabolic deceleration of the pancreatic beta-cell at submaximal glucose concentrations. <i>Endocrinology</i> , <b>2009</b> , 150, 3465-74	4.8	45

58	Fatty acids alter glycerolipid metabolism and induce lipid droplet formation, syncytialisation and cytokine production in human trophoblasts with minimal glucose effect or interaction. <i>Placenta</i> , <b>2010</b> , 31, 230-9	3.4	44
57	Upregulation of cellular triacylglycerol - free fatty acid cycling by oleate is associated with long-term serum-free survival of human breast cancer cells. <i>Biochemistry and Cell Biology</i> , <b>2007</b> , 85, 301-10	3.6	42
56	Islet beta cell failure in the 60% pancreatectomised obese hyperlipidaemic Zucker fatty rat: severe dysfunction with altered glycerolipid metabolism without steatosis or a falling beta cell mass. <i>Diabetologia</i> , <b>2009</b> , 52, 1122-32	10.3	41
55	Vitamin D status and its predictive factors in pregnancy in 2 Australian populations. <i>Australian and New Zealand Journal of Obstetrics and Gynaecology</i> , <b>2011</b> , 51, 353-9	1.7	40
54	Controversies in gestational diabetes. <i>Best Practice and Research in Clinical Obstetrics and Gynaecology</i> , <b>2011</b> , 25, 37-49	4.6	39
53	High passage MIN6 cells have impaired insulin secretion with impaired glucose and lipid oxidation. <i>PLoS ONE</i> , <b>2012</b> , 7, e40868	3.7	37
52	Voluntary running exercise prevents $\beta$ cell failure in susceptible islets of the Zucker diabetic fatty rat. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2012</b> , 302, E254-64	6	35
51	Exercise improves adipose function and inflammation and ameliorates fatty liver disease in obese diabetic mice. <i>Obesity</i> , <b>2015</b> , 23, 1845-55	8	34
50	Clinical and histological correlations of decline in renal function in diabetic patients with proteinuria. <i>Diabetes</i> , <b>1994</b> , 43, 1046-1051	0.9	33
49	Regulation of lipolytic activity by long-chain acyl-coenzyme A in islets and adipocytes. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2005</b> , 289, E1085-92	6	29
48	Intensive insulin for type 2 diabetes: the risk of causing harm. <i>Lancet Diabetes and Endocrinology</i> , <b>2013</b> , 1, 9-10	18.1	27
47	Selective modulation through the glucocorticoid receptor ameliorates muscle pathology in mdx mice. <i>Journal of Pathology</i> , <b>2013</b> , 231, 223-35	9.4	26
46	Pioglitazone acutely reduces energy metabolism and insulin secretion in rats. <i>Diabetes</i> , <b>2013</b> , 62, 2122-9	0.9	26
45	Hyperglycaemia in early pregnancy: the Treatment of Booking Gestational diabetes Mellitus (TOBOGM) study. A randomised controlled trial. <i>Medical Journal of Australia</i> , <b>2018</b> , 209, 405-406	4	24
44	Dietary modification dampens liver inflammation and fibrosis in obesity-related fatty liver disease. <i>Obesity</i> , <b>2013</b> , 21, 1189-99	8	22
43	Effects of a high-starch diet with low or high fiber content on postabsorptive glucose utilization and glucose production in normal subjects. <i>Diabetes Care</i> , <b>1984</b> , 7, 207-10	14.6	21
42	Barriers to a healthy lifestyle post gestational-diabetes: An Australian qualitative study. <i>Women and Birth</i> , <b>2017</b> , 30, 319-324	3.3	19
41	Multifocal Pupillography Identifies Changes in Visual Sensitivity According to Severity of Diabetic Retinopathy in Type 2 Diabetes <b>2015</b> , 56, 4504-13		19

40	Strict Preanalytical Oral Glucose Tolerance Test Blood Sample Handling Is Essential for Diagnosing Gestational Diabetes Mellitus. <i>Diabetes Care</i> , <b>2020</b> , 43, 1438-1441	14.6	18
39	Why do Asian-born women have a higher incidence of gestational diabetes? An analysis of racial differences in body habitus, lipid metabolism and the serum insulin response to an oral glucose load. <i>Australian and New Zealand Journal of Obstetrics and Gynaecology</i> , <b>1993</b> , 33, 114-8	1.7	18
38	Insulin-induced glucose utilization influences triglyceride metabolism. <i>Clinical Science</i> , <b>1983</b> , 64, 511-6	6.5	18
37	Effects of perindopril-indapamide on left ventricular diastolic function and mass in patients with type 2 diabetes: the ADVANCE Echocardiography Substudy. <i>Journal of Hypertension</i> , <b>2011</b> , 29, 1439-47	1.9	17
36	The set point for maternal glucose homeostasis is lowered during late pregnancy in the rat: the role of the islet beta-cell and liver. <i>Diabetologia</i> , <b>1996</b> , 39, 785-92	10.3	17
35	Lipotoxicity, $\beta$ cell dysfunction, and gestational diabetes. <i>Cell Metabolism</i> , <b>2014</b> , 19, 553-4	24.6	16
34	Islet inflammation, hemosiderosis, and fibrosis in intrauterine growth-restricted and high fat-fed Sprague-Dawley rats. <i>American Journal of Pathology</i> , <b>2014</b> , 184, 1446-57	5.8	12
33	The effects of oophorectomy and female sex steroids on glucose kinetics in the rat. <i>Diabetes Research and Clinical Practice</i> , <b>1995</b> , 30, 181-8	7.4	12
32	Identification of the signals for glucose-induced insulin secretion in INS1 (832/13) $\beta$ cells using metformin-induced metabolic deceleration as a model. <i>Journal of Biological Chemistry</i> , <b>2017</b> , 292, 19458-19468 <sup>11</sup>	5.4	11
31	The Role of Digital Engagement in the Self-Management of Type 2 Diabetes. <i>Health Communication</i> , <b>2016</b> , 31, 1557-65	3.2	11
30	Experiences of Young People and Their Caregivers of Using Technology to Manage Type 1 Diabetes Mellitus: Systematic Literature Review and Narrative Synthesis. <i>JMIR Diabetes</i> , <b>2021</b> , 6, e20973	2.7	11
29	Can body temperature dysregulation explain the co-occurrence between overweight/obesity, sleep impairment, late-night eating, and a sedentary lifestyle?. <i>Eating and Weight Disorders</i> , <b>2017</b> , 22, 599-608	3.6	10
28	Opportunistic pathology-based screening for diabetes. <i>BMJ Open</i> , <b>2013</b> , 3, e003411	3	9
27	Exploring Therapeutic Targets to Reverse or Prevent the Transition from Metabolically Healthy to Unhealthy Obesity. <i>Cells</i> , <b>2020</b> , 9,	7.9	8
26	Reversibility of Defects in Proinsulin Processing and Islet $\beta$ Cell Failure in Obesity-Related Type 2 Diabetes. <i>Diabetes</i> , <b>2016</b> , 65, 352-4	0.9	8
25	Failure of islet $\beta$ cell compensation for insulin resistance causes type 2 diabetes: what causes non-alcoholic fatty liver disease and non-alcoholic steatohepatitis?. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , <b>2010</b> , 25, 1594-7	4	8
24	Circulating lipids are lowered but pancreatic islet lipid metabolism and insulin secretion are unaltered in exercise-trained female rats. <i>Applied Physiology, Nutrition and Metabolism</i> , <b>2007</b> , 32, 241-8	3	8
23	Antenatal models of care for women with gestational diabetes mellitus: Vignettes from an international meeting. <i>Australian and New Zealand Journal of Obstetrics and Gynaecology</i> , <b>2020</b> , 60, 720-728	1.7	6

22	Cerebral cysticercosis: a case report with particular reference to recent advances in diagnosis and treatment. <i>Australian and New Zealand Journal of Medicine</i> , <b>1987</b> , 17, 55-7		6
21	Forearm arterial vascular responsiveness in insulin-dependent diabetic subjects. <i>Diabetes Research and Clinical Practice</i> , <b>1993</b> , 21, 127-36	7.4	5
20	Response to Comments on Nolan et al. Insulin Resistance as a Physiological Defense Against Metabolic Stress: Implications for the Management of Subsets of Type 2 Diabetes. <i>Diabetes</i> 2015;64:673-686. <i>Diabetes</i> , <b>2015</b> , 64, e38-9	0.9	3
19	Turning the tide on hyperglycemia in pregnancy: insights from multiscale dynamic simulation modeling. <i>BMJ Open Diabetes Research and Care</i> , <b>2020</b> , 8,	4.5	2
18	Barriers to a healthy lifestyle for three- to four-year-old children of Australian-born and overseas-born mothers with post-gestational diabetes: An Australian qualitative study. <i>Journal of Child Health Care</i> , <b>2018</b> , 22, 447-459	2	2
17	Comparing Objective Perimetry, Matrix Perimetry, and Regional Retinal Thickness in Mild Diabetic Macular Edema. <i>Translational Vision Science and Technology</i> , <b>2021</b> , 10, 32	3.3	2
16	XBP1 maintains beta cell identity, represses beta-to-alpha cell transdifferentiation and protects against diabetic beta cell failure during metabolic stress in mice.. <i>Diabetologia</i> , <b>2022</b> , 1	10.3	2
15	The Pathobiology of Diabetes Mellitus. <i>Pancreatic Islet Biology</i> , <b>2016</b> , 1-48	0.4	1
14	The single-item Self-Rated Mental Health Question in women with gestational diabetes mellitus.. <i>Australasian Psychiatry</i> , <b>2022</b> , 10398562211065291	1.7	1
13	Overview of the Comorbidity Between Medical Illnesses and Overweight/Obesity <b>2020</b> , 79-114		1
12	A case of Klinefelter syndrome with hypersexual desire. <i>Endocrinology, Diabetes and Metabolism Case Reports</i> , <b>2017</b> , 2017,	1.4	1
11	When Less Gold is More: Selective Attomolar Biosensing at the Nanoscale. <i>Advanced Functional Materials</i> , 2105433	15.6	1
10	The ADIPS Pilot National Diabetes in Pregnancy Benchmarking Programme. <i>International Journal of Environmental Research and Public Health</i> , <b>2021</b> , 18,	4.6	0
9	Integrating Multiple Inputs Into an Artificial Pancreas System: Narrative Literature Review.. <i>JMIR Diabetes</i> , <b>2022</b> , 7, e28861	2.7	0
8	The Potential of Current Noninvasive Wearable Technology for the Monitoring of Physiological Signals in the Management of Type 1 Diabetes: Literature Survey.. <i>Journal of Medical Internet Research</i> , <b>2022</b> , 24, e28901	7.6	0
7	RNA sequencing of all transcripts and how islet cells fail. <i>Diabetes</i> , <b>2014</b> , 63, 1823-5	0.9	
6	Managing type 1 diabetes during the COVID-19 pandemic is a team effort: a qualitative study of the experiences of young people and their parents. <i>Integrated Healthcare Journal</i> , <b>2021</b> , 3, e000082	1	
5	The Role of Fatty Acid Signaling in Islet Beta-Cell Adaptation to Normal Pregnancy.. <i>Frontiers in Endocrinology</i> , <b>2021</b> , 12, 799081	5.7	

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| 4 | There is no sugar-coating psychological distress and illness perceptions in gestational diabetes mellitus: depression and anxiety are associated with negative illness perceptions. <i>Australasian Psychiatry</i> , <b>2021</b> , 10398562211038910 | 1.7 |
| 3 | A Significance Assessment of Diabetes Diagnostic Biomarkers Using Machine Learning.. <i>Studies in Health Technology and Informatics</i> , <b>2021</b> , 284, 36-38  | 0.5 |
| 2 | Comparison of Word and Character Level Information for Medical Term Identification Using Convolutional Neural Networks and Transformers.. <i>Studies in Health Technology and Informatics</i> , <b>2021</b> , 284, 249-253                           | 0.5 |
| 1 | Multifocal pupillographic objective perimetry for assessment of early diabetic retinopathy and generalised diabetes-related tissue injury in persons with type 1 diabetes.. <i>BMC Ophthalmology</i> , <b>2022</b> , 22, 166                         | 2.3 |