

Christopher J Nolan

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.

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	The single-item Self-Rated Mental Health Question in women with gestational diabetes mellitus.. <i>Australasian Psychiatry</i> , 2022 , 10398562211065291	1.7	1
92	Integrating Multiple Inputs Into an Artificial Pancreas System: Narrative Literature Review.. <i>JMIR Diabetes</i> , 2022 , 7, e28861	2.7	0
91	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> , 2022 , 1	10.3	2
90	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> , 2022 , 24, e28901	7.6	0
89	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> , 2022 , 22, 166	2.3	
88	Comparing Objective Perimetry, Matrix Perimetry, and Regional Retinal Thickness in Mild Diabetic Macular Edema. <i>Translational Vision Science and Technology</i> , 2021 , 10, 32	3.3	2
87	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> , 2021 , 3, e000082	1	
86	The Role of Fatty Acid Signaling in Islet Beta-Cell Adaptation to Normal Pregnancy.. <i>Frontiers in Endocrinology</i> , 2021 , 12, 799081	5.7	
85	The ADIPS Pilot National Diabetes in Pregnancy Benchmarking Programme. <i>International Journal of Environmental Research and Public Health</i> , 2021 , 18,	4.6	0
84	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> , 2021 , 6, e20973	2.7	11
83	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> , 2021 , 10398562211038910	1.7	
82	A Significance Assessment of Diabetes Diagnostic Biomarkers Using Machine Learning.. <i>Studies in Health Technology and Informatics</i> , 2021 , 284, 36-38	0.5	
81	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> , 2021 , 284, 249-253	0.5	
80	Strict Preanalytical Oral Glucose Tolerance Test Blood Sample Handling Is Essential for Diagnosing Gestational Diabetes Mellitus. <i>Diabetes Care</i> , 2020 , 43, 1438-1441	14.6	18
79	Turning the tide on hyperglycemia in pregnancy: insights from multiscale dynamic simulation modeling. <i>BMJ Open Diabetes Research and Care</i> , 2020 , 8,	4.5	2
78	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> , 2020 , 60, 720-728	1.7	6
77	Exploring Therapeutic Targets to Reverse or Prevent the Transition from Metabolically Healthy to Unhealthy Obesity. <i>Cells</i> , 2020 , 9,	7.9	8

76	Overview of the Comorbidity Between Medical Illnesses and Overweight/Obesity 2020 , 79-114		1
75	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> , 2019 , 16, 118-127	3.3	80
74	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> , 2018 , 22, 447-459	2	2
73	Diabetes in pregnancy: a new decade of challenges ahead. <i>Diabetologia</i> , 2018 , 61, 1012-1021	10.3	48
72	Hyperglycaemia in early pregnancy: the Treatment of Booking Gestational diabetes Mellitus (TOBOGM) study. A randomised controlled trial. <i>Medical Journal of Australia</i> , 2018 , 209, 405-406	4	24
71	Barriers to a healthy lifestyle post gestational-diabetes: An Australian qualitative study. <i>Women and Birth</i> , 2017 , 30, 319-324	3.3	19
70	Canagliflozin and Cardiovascular and Renal Events in Type 2 Diabetes. <i>New England Journal of Medicine</i> , 2017 , 377, 644-657	59.2	3789
69	Identification of the signals for glucose-induced insulin secretion in INS1 (832/13) β cells using metformin-induced metabolic deceleration as a model. <i>Journal of Biological Chemistry</i> , 2017 , 292, 19458-19468 ^{5.4} ¹¹		
68	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> , 2017 , 22, 599-608 ^{3.6}		10
67	A case of Klinefelter syndrome with hypersexual desire. <i>Endocrinology, Diabetes and Metabolism Case Reports</i> , 2017 , 2017,	1.4	1
66	The Pathobiology of Diabetes Mellitus. <i>Pancreatic Islet Biology</i> , 2016 , 1-48	0.4	1
65	The Role of Digital Engagement in the Self-Management of Type 2 Diabetes. <i>Health Communication</i> , 2016 , 31, 1557-65	3.2	11
64	Genetic predisposition for beta cell fragility underlies type 1 and type 2 diabetes. <i>Nature Genetics</i> , 2016 , 48, 519-27	36.3	83
63	Reversibility of Defects in Proinsulin Processing and Islet β Cell Failure in Obesity-Related Type 2 Diabetes. <i>Diabetes</i> , 2016 , 65, 352-4	0.9	8
62	The fetal glucose steal: an underappreciated phenomenon in diabetic pregnancy. <i>Diabetologia</i> , 2016 , 59, 1089-94	10.3	96
61	Insulin resistance as a physiological defense against metabolic stress: implications for the management of subsets of type 2 diabetes. <i>Diabetes</i> , 2015 , 64, 673-86	0.9	139
60	Diabetes in pregnancy outcomes: a systematic review and proposed codification of definitions. <i>Diabetes/Metabolism Research and Reviews</i> , 2015 , 31, 680-90	7.5	56
59	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> , 2015 , 64, e38-9	0.9	3

58	Exercise improves adipose function and inflammation and ameliorates fatty liver disease in obese diabetic mice. <i>Obesity</i> , 2015 , 23, 1845-55	8	34
57	Multifocal Pupillography Identifies Changes in Visual Sensitivity According to Severity of Diabetic Retinopathy in Type 2 Diabetes 2015 , 56, 4504-13		19
56	RNA sequencing of all transcripts and how islet β cells fail. <i>Diabetes</i> , 2014 , 63, 1823-5	0.9	
55	Strain dependence of diet-induced NASH and liver fibrosis in obese mice is linked to diabetes and inflammatory phenotype. <i>Liver International</i> , 2014 , 34, 1084-93	7.9	49
54	Follow-up of blood-pressure lowering and glucose control in type 2 diabetes. <i>New England Journal of Medicine</i> , 2014 , 371, 1392-406	59.2	415
53	Lipotoxicity, β cell dysfunction, and gestational diabetes. <i>Cell Metabolism</i> , 2014 , 19, 553-4	24.6	16
52	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</i> , 2014 , 2, 289-297	18.1	249
51	Islet inflammation, hemosiderosis, and fibrosis in intrauterine growth-restricted and high fat-fed Sprague-Dawley rats. <i>American Journal of Pathology</i> , 2014 , 184, 1446-57	5.8	12
50	Dietary modification dampens liver inflammation and fibrosis in obesity-related fatty liver disease. <i>Obesity</i> , 2013 , 21, 1189-99	8	22
49	Intensive insulin for type 2 diabetes: the risk of causing harm. <i>Lancet Diabetes and Endocrinology</i> , 2013 , 1, 9-10	18.1	27
48	Selective modulation through the glucocorticoid receptor ameliorates muscle pathology in mdx mice. <i>Journal of Pathology</i> , 2013 , 231, 223-35	9.4	26
47	Pioglitazone acutely reduces energy metabolism and insulin secretion in rats. <i>Diabetes</i> , 2013 , 62, 2122-9	0.9	26
46	Opportunistic pathology-based screening for diabetes. <i>BMJ Open</i> , 2013 , 3, e003411	3	9
45	Voluntary running exercise prevents β cell failure in susceptible islets of the Zucker diabetic fatty rat. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2012 , 302, E254-64	6	35
44	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> , 2012 , 35, 2012-7	14.6	136
43	High passage MIN6 cells have impaired insulin secretion with impaired glucose and lipid oxidation. <i>PLoS ONE</i> , 2012 , 7, e40868	3.7	37
42	Type 2 diabetes across generations: from pathophysiology to prevention and management. <i>Lancet, The</i> , 2011 , 378, 169-81	40	614
41	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> , 2011 , 29, 1439-47	1.9	17

40	Postprandial hyperinsulinemia is universal in non-diabetic patients with nonalcoholic fatty liver disease. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2011 , 26, 510-6	4	50
39	Vitamin D status and its predictive factors in pregnancy in 2 Australian populations. <i>Australian and New Zealand Journal of Obstetrics and Gynaecology</i> , 2011 , 51, 353-9	1.7	40
38	Controversies in gestational diabetes. <i>Best Practice and Research in Clinical Obstetrics and Gynaecology</i> , 2011 , 25, 37-49	4.6	39
37	Failure of islet β 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> , 2010 , 25, 1594-7	4	8
36	International association of diabetes and pregnancy study groups recommendations on the diagnosis and classification of hyperglycemia in pregnancy. <i>Diabetes Care</i> , 2010 , 33, 676-82	14.6	2834
35	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> , 2010 , 31, 230-9	3.4	44
34	Pioglitazone acutely reduces insulin secretion and causes metabolic deceleration of the pancreatic beta-cell at submaximal glucose concentrations. <i>Endocrinology</i> , 2009 , 150, 3465-74	4.8	45
33	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> , 2009 , 52, 1122-32	10.3	41
32	Lipotoxicity: why do saturated fatty acids cause and monounsaturates protect against it?. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2009 , 24, 703-6	4	76
31	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> , 2009 , 24, 1658-68	4	61
30	Intensive blood glucose control and vascular outcomes in patients with type 2 diabetes. <i>New England Journal of Medicine</i> , 2008 , 358, 2560-72	59.2	5250
29	The islet beta-cell: fuel responsive and vulnerable. <i>Trends in Endocrinology and Metabolism</i> , 2008 , 19, 285-91	8.8	120
28	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> , 2007 , 370, 829-40	40	1521
27	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> , 2007 , 85, 301-10	3.6	42
26	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> , 2007 , 32, 241-8	3	8
25	Beta cell compensation for insulin resistance in Zucker fatty rats: increased lipolysis and fatty acid signalling. <i>Diabetologia</i> , 2006 , 49, 2120-30	10.3	100
24	Munc13-1 deficiency reduces insulin secretion and causes abnormal glucose tolerance. <i>Diabetes</i> , 2006 , 55, 1421-9	0.9	85
23	Fatty acid signaling in the beta-cell and insulin secretion. <i>Diabetes</i> , 2006 , 55 Suppl 2, S16-23	0.9	304

22	Adaptive failure to high-fat diet characterizes steatohepatitis in Alms1 mutant mice. <i>Biochemical and Biophysical Research Communications</i> , 2006 , 342, 1152-9	3.4	99
21	Islet beta cell failure in type 2 diabetes. <i>Journal of Clinical Investigation</i> , 2006 , 116, 1802-12	15.9	1208
20	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> , 2005 , 366, 1849-61	40	2421
19	Pancreatic islet adaptation to fasting is dependent on peroxisome proliferator-activated receptor alpha transcriptional up-regulation of fatty acid oxidation. <i>Endocrinology</i> , 2005 , 146, 375-82	4.8	81
18	Regulation of lipolytic activity by long-chain acyl-coenzyme A in islets and adipocytes. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2005 , 289, E1085-92	6	29
17	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> , 2004 , 53, 1007-19	0.9	151
16	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> , 2004 , 53, 1733-42	0.9	62
15	Saturated fatty acids synergize with elevated glucose to cause pancreatic beta-cell death. <i>Endocrinology</i> , 2003 , 144, 4154-63	4.8	477
14	Effects of gestational diabetes on human placental glucose uptake, transfer, and utilisation. <i>Diabetologia</i> , 2000 , 43, 576-82	10.3	57
13	Gestational diabetes mellitus--management guidelines. The Australasian Diabetes in Pregnancy Society. <i>Medical Journal of Australia</i> , 1998 , 169, 93-7	4	436
12	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> , 1996 , 39, 785-92	10.3	17
11	Maternal serum triglyceride, glucose tolerance, and neonatal birth weight ratio in pregnancy. <i>Diabetes Care</i> , 1995 , 18, 1550-6	14.6	74
10	The effects of oophorectomy and female sex steroids on glucose kinetics in the rat. <i>Diabetes Research and Clinical Practice</i> , 1995 , 30, 181-8	7.4	12
9	The feto-placental glucose steal phenomenon is a major cause of maternal metabolic adaptation during late pregnancy in the rat. <i>Diabetologia</i> , 1994 , 37, 976-84	10.3	49
8	Clinical and histological correlations of decline in renal function in diabetic patients with proteinuria. <i>Diabetes</i> , 1994 , 43, 1046-51	0.9	137
7	Clinical and histological correlations of decline in renal function in diabetic patients with proteinuria. <i>Diabetes</i> , 1994 , 43, 1046-1051	0.9	33
6	Forearm arterial vascular responsiveness in insulin-dependent diabetic subjects. <i>Diabetes Research and Clinical Practice</i> , 1993 , 21, 127-36	7.4	5
5	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> , 1993 , 33, 114-8	1.7	18

4	Cerebral cysticercosis: a case report with particular reference to recent advances in diagnosis and treatment. <i>Australian and New Zealand Journal of Medicine</i> , 1987 , 17, 55-7		6
3	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> , 1984 , 7, 207-10	14.6	21
2	Insulin-induced glucose utilization influences triglyceride metabolism. <i>Clinical Science</i> , 1983 , 64, 511-6	6.5	18
1	When Less Gold is More: Selective Attomolar Biosensing at the Nanoscale. <i>Advanced Functional Materials</i> , 2105433	15.6	1