

Christopher J Nolan

List of Publications by Year in descending order

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Version: 2024-02-01

97
papers

28,677
citations

66343

42
h-index

42399

92
g-index

104
all docs

104
docs citations

104
times ranked

26283
citing authors

#	ARTICLE	IF	CITATIONS
1	Intensive Blood Glucose Control and Vascular Outcomes in Patients with Type 2 Diabetes. <i>New England Journal of Medicine</i> , 2008, 358, 2560-2572.	27.0	6,447
2	Canagliflozin and Cardiovascular and Renal Events in Type 2 Diabetes. <i>New England Journal of Medicine</i> , 2017, 377, 644-657.	27.0	5,629
3	International Association of Diabetes and Pregnancy Study Groups Recommendations on the Diagnosis and Classification of Hyperglycemia in Pregnancy. <i>Diabetes Care</i> , 2010, 33, 676-682.	8.6	3,870
4	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</i> , The, 2005, 366, 1849-1861.	13.7	2,926
5	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</i> , The, 2007, 370, 829-840.	13.7	1,864
6	Islet β cell failure in type 2 diabetes. <i>Journal of Clinical Investigation</i> , 2006, 116, 1802-1812.	8.2	1,407
7	Type 2 diabetes across generations: from pathophysiology to prevention and management. <i>Lancet</i> , The, 2011, 378, 169-181.	13.7	742
8	Saturated Fatty Acids Synergize with Elevated Glucose to Cause Pancreatic β -Cell Death. <i>Endocrinology</i> , 2003, 144, 4154-4163.	2.8	527
9	Follow-up of Blood-Pressure Lowering and Glucose Control in Type 2 Diabetes. <i>New England Journal of Medicine</i> , 2014, 371, 1392-1406.	27.0	520
10	Gestational diabetes mellitus management guidelines: The Australasian Diabetes in Pregnancy Society. <i>Medical Journal of Australia</i> , 1998, 169, 93-97.	1.7	506
11	Fatty Acid Signaling in the β -Cell and Insulin Secretion. <i>Diabetes</i> , 2006, 55, S16-S23.	0.6	359
12	Once-weekly abiglutide 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> , the, 2014, 2, 289-297.	11.4	293
13	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, 2012-2017.	8.6	185
14	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.	2.0	169
15	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.	0.6	165
16	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, 1007-1019.	0.6	164
17	Clinical and Histological Correlations of Decline in Renal Function in Diabetic Patients With Proteinuria. <i>Diabetes</i> , 1994, 43, 1046-1051.	0.6	150
18	The fetal glucose steal: an underappreciated phenomenon in diabetic pregnancy. <i>Diabetologia</i> , 2016, 59, 1089-1094.	6.3	139

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19	The islet β -cell: fuel responsive and vulnerable. Trends in Endocrinology and Metabolism, 2008, 19, 285-291.	7.1	137
20	Genetic predisposition for beta cell fragility underlies type 1 and type 2 diabetes. Nature Genetics, 2016, 48, 519-527.	21.4	117
21	Beta cell compensation for insulin resistance in Zucker fatty rats: increased lipolysis and fatty acid signalling. Diabetologia, 2006, 49, 2120-2130.	6.3	114
22	Adaptive failure to high-fat diet characterizes steatohepatitis in Alms1 mutant mice. Biochemical and Biophysical Research Communications, 2006, 342, 1152-1159.	2.1	112
23	Lipotoxicity: Why do saturated fatty acids cause and monounsaturates protect against it?. Journal of Gastroenterology and Hepatology (Australia), 2009, 24, 703-706.	2.8	100
24	Munc13-1 Deficiency Reduces Insulin Secretion and Causes Abnormal Glucose Tolerance. Diabetes, 2006, 55, 1421-1429.	0.6	95
25	Pancreatic Islet Adaptation to Fasting Is Dependent on Peroxisome Proliferator-Activated Receptor α Transcriptional Up-Regulation of Fatty Acid Oxidation. Endocrinology, 2005, 146, 375-382.	2.8	89
26	Maternal Serum Triglyceride, Glucose Tolerance, and Neonatal Birth Weight Ratio in Pregnancy: A study within a racially heterogeneous population. Diabetes Care, 1995, 18, 1550-1556.	8.6	88
27	Roles of adipose restriction and metabolic factors in progression of steatosis to steatohepatitis in obese, diabetic mice. Journal of Gastroenterology and Hepatology (Australia), 2009, 24, 1658-1668.	2.8	75
28	Diabetes in pregnancy: a new decade of challenges ahead. Diabetologia, 2018, 61, 1012-1021.	6.3	74
29	Diabetes in pregnancy outcomes: A systematic review and proposed codification of definitions. Diabetes/Metabolism Research and Reviews, 2015, 31, 680-690.	4.0	71
30	Effects of gestational diabetes on human placental glucose uptake, transfer, and utilisation. Diabetologia, 2000, 43, 576-582.	6.3	70
31	Strain dependence of diet-induced NASH and liver fibrosis in obese mice is linked to diabetes and inflammatory phenotype. Liver International, 2014, 34, 1084-1093.	3.9	70
32	Hormone-Sensitive Lipase Has a Role in Lipid Signaling for Insulin Secretion but Is Nonessential for the Incretin Action of Glucagon-Like Peptide 1. Diabetes, 2004, 53, 1733-1742.	0.6	67
33	Postprandial hyperinsulinemia is universal in non-diabetic patients with nonalcoholic fatty liver disease. Journal of Gastroenterology and Hepatology (Australia), 2011, 26, 510-516.	2.8	60
34	Fatty acids alter glycerolipid metabolism and induce lipid droplet formation, syncytialisation and cytokine production in human trophoblasts with minimal glucose effect or interaction. Placenta, 2010, 31, 230-239.	1.5	56
35	Controversies in gestational diabetes. Best Practice and Research in Clinical Obstetrics and Gynaecology, 2011, 25, 37-49.	2.8	54
36	High Passage MIN6 Cells Have Impaired Insulin Secretion with Impaired Glucose and Lipid Oxidation. PLoS ONE, 2012, 7, e40868.	2.5	54

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37	Clinical and histological correlations of decline in renal function in diabetic patients with proteinuria. <i>Diabetes</i> , 1994, 43, 1046-1051.	0.6	52
38	The fetoplacental glucose steal phenomenon is a major cause of maternal metabolic adaptation during late pregnancy in the rat. <i>Diabetologia</i> , 1994, 37, 976-984.	6.3	51
39	Pioglitazone Acutely Reduces Insulin Secretion and Causes Metabolic Deceleration of the Pancreatic β -Cell at Submaximal Glucose Concentrations. <i>Endocrinology</i> , 2009, 150, 3465-3474.	2.8	51
40	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, 1122-1132.	6.3	50
41	Upregulation of cellular triacylglycerol \leftrightarrow 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, 301-310.	2.0	49
42	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, 353-359.	1.0	47
43	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.	1.7	44
44	Exercise improves adipose function and inflammation and ameliorates fatty liver disease in obese diabetic mice. <i>Obesity</i> , 2015, 23, 1845-1855.	3.0	43
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-E264.	3.5	39
46	Strict Preanalytical Oral Glucose Tolerance Test Blood Sample Handling Is Essential for Diagnosing Gestational Diabetes Mellitus. <i>Diabetes Care</i> , 2020, 43, 1438-1441.	8.6	36
47	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.	1.9	36
48	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-E1092.	3.5	32
49	Intensive insulin for type 2 diabetes: the risk of causing harm. <i>Lancet Diabetes and Endocrinology</i> , 2013, 1, 9-10.	11.4	31
50	Selective modulation through the glucocorticoid receptor ameliorates muscle pathology in <i>mdx</i> mice. <i>Journal of Pathology</i> , 2013, 231, 223-235.	4.5	31
51	Pioglitazone Acutely Reduces Energy Metabolism and Insulin Secretion in Rats. <i>Diabetes</i> , 2013, 62, 2122-2129.	0.6	28
52	Barriers to a healthy lifestyle post gestational-diabetes: An Australian qualitative study. <i>Women and Birth</i> , 2017, 30, 319-324.	2.0	28
53	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, 65, 984-996.	6.3	25
54	Dietary modification dampens liver inflammation and fibrosis in obesity-related fatty liver disease. <i>Obesity</i> , 2013, 21, 1189-1199.	3.0	24

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55	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, 207-210.	8.6	23
56	Multifocal Pupillography Identifies Changes in Visual Sensitivity According to Severity of Diabetic Retinopathy in Type 2 Diabetes. , 2015, 56, 4504.		23
57	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, 114-118.	1.0	22
58	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, 1439-1447.	0.5	20
59	Islet Inflammation, Hemosiderosis, and Fibrosis in Intrauterine Growth-Restricted and High Fat-Fed Sprague-Dawley Rats. <i>American Journal of Pathology</i> , 2014, 184, 1446-1457.	3.8	20
60	Lipotoxicity, β Cell Dysfunction, and Gestational Diabetes. <i>Cell Metabolism</i> , 2014, 19, 553-554.	16.2	20
61	Insulin-Induced Glucose Utilization Influences Triglyceride Metabolism. <i>Clinical Science</i> , 1983, 64, 511-516.	4.3	19
62	The Role of Digital Engagement in the Self-Management of Type 2 Diabetes. <i>Health Communication</i> , 2016, 31, 1557-1565.	3.1	19
63	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.	3.4	19
64	Exploring Therapeutic Targets to Reverse or Prevent the Transition from Metabolically Healthy to Unhealthy Obesity. <i>Cells</i> , 2020, 9, 1596.	4.1	19
65	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.	1.0	18
66	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, 785-792.	6.3	17
67	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.	2.5	13
68	Comparing Objective Perimetry, Matrix Perimetry, and Regional Retinal Thickness in Mild Diabetic Macular Edema. <i>Translational Vision Science and Technology</i> , 2021, 10, 32.	2.2	13
69	The effects of oophorectomy and female sex steroids on glucose kinetics in the rat. <i>Diabetes Research and Clinical Practice</i> , 1995, 30, 181-188.	2.8	12
70	Reversibility of Defects in Proinsulin Processing and Islet β -Cell Failure in Obesity-Related Type 2 Diabetes. <i>Diabetes</i> , 2016, 65, 352-354.	0.6	11
71	When Less Gold is More: Selective Attomolar Biosensing at the Nanoscale. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	11
72	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, 241-248.	1.9	10

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73	Opportunistic pathology-based screening for diabetes. <i>BMJ Open</i> , 2013, 3, e003411.	1.9	9
74	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, 55-57.	0.5	8
75	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, 1594-1597.	2.8	8
76	Turning the tide™ on hyperglycemia in pregnancy: insights from multiscale dynamic simulation modeling. <i>BMJ Open Diabetes Research and Care</i> , 2020, 8, e000975.	2.8	8
77	Integrating Multiple Inputs Into an Artificial Pancreas System: Narrative Literature Review. <i>JMIR Diabetes</i> , 2022, 7, e28861.	1.9	8
78	Aspirin for the prevention of pre-eclampsia in women with pre-existing diabetes: Systematic review. <i>Australian and New Zealand Journal of Obstetrics and Gynaecology</i> , 2022, 62, 12-21.	1.0	7
79	Forearm arterial vascular responsiveness in insulin-dependent diabetic subjects. <i>Diabetes Research and Clinical Practice</i> , 1993, 21, 127-136.	2.8	6
80	Knockout of the Amino Acid Transporter SLC6A19 and Autoimmune Diabetes Incidence in Female Non-Obese Diabetic (NOD) Mice. <i>Metabolites</i> , 2021, 11, 665.	2.9	6
81	The gestational diabetes tsunami: Can we survive it?. <i>Australian and New Zealand Journal of Obstetrics and Gynaecology</i> , 2016, 56, 333-335.	1.0	5
82	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.	1.4	5
83	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.	4.3	5
84	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-e39.	0.6	4
85	Personalised Short-Term Glucose Prediction via Recurrent Self-Attention Network. , 2021, , .		4
86	Normal Long-Term Health for Infants of Diabetic Mothers: Can We Achieve It?. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2013, 98, 3592-3594.	3.6	3
87	The ADIPS Pilot National Diabetes in Pregnancy Benchmarking Programme. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 4899.	2.6	3
88	The single-item Self-Rated Mental Health Question in women with gestational diabetes mellitus. <i>Australasian Psychiatry</i> , 2022, 30, 472-475.	0.7	3
89	RNA Sequencing of All Transcripts and How Islet β -Cells Fail. <i>Diabetes</i> , 2014, 63, 1823-1825.	0.6	2
90	Overview of the Comorbidity Between Medical Illnesses and Overweight/Obesity. , 2020, , 79-114.		2

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91	Multifocal pupillographic objective perimetry for assessment of early diabetic retinopathy and generalised diabetes-related tissue injury in persons with type 1 diabetes. BMC Ophthalmology, 2022, 22, 166.	1.4	2
92	There's no sugar-coating psychological distress and illness perceptions in gestational diabetes mellitus: depression and anxiety are associated with negative illness perceptions. Australasian Psychiatry, 2022, 30, 64-69.	0.7	1
93	A case of Klinefelter syndrome with hypersexual desire. Endocrinology, Diabetes and Metabolism Case Reports, 2017, 2017, .	0.5	1
94	The Role of Fatty Acid Signaling in Islet Beta-Cell Adaptation to Normal Pregnancy. Frontiers in Endocrinology, 2021, 12, 799081.	3.5	1
95	A Significance Assessment of Diabetes Diagnostic Biomarkers Using Machine Learning. Studies in Health Technology and Informatics, 2021, 284, 36-38.	0.3	1
96	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. Integrated Healthcare Journal, 2021, 3, .	0.4	0
97	Comparison of Word and Character Level Information for Medical Term Identification Using Convolutional Neural Networks and Transformers. Studies in Health Technology and Informatics, 2021, 284, 249-253.	0.3	0