Christopher J Nolan

List of Publications by Year
in descending order

97 papers	28,677 citations	66234 42 h-index	42291 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. New England Journal of Medicine, 2008, 358, 2560-2572.	13.9	6,447
2	Canagliflozin and Cardiovascular and Renal Events in Type 2 Diabetes. New England Journal of Medicine, 2017, 377, 644-657.	13.9	5,629
3	International Association of Diabetes and Pregnancy Study Groups Recommendations on the Diagnosis and Classification of Hyperglycemia in Pregnancy. Diabetes Care, 2010, 33, 676-682.	4.3	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. Lancet, The, 2005, 366, 1849-1861.	6.3	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. Lancet, The, 2007, 370, 829-840.	6.3	1,864
6	Islet Â cell failure in type 2 diabetes. Journal of Clinical Investigation, 2006, 116, 1802-1812.	3.9	1,407
7	Type 2 diabetes across generations: from pathophysiology to prevention and management. Lancet, The, 2011, 378, 169-181.	6.3	742
8	Saturated Fatty Acids Synergize with Elevated Glucose to Cause Pancreatic Î²-Cell Death. Endocrinology, 2003, 144, 4154-4163.	1.4	527
9	Follow-up of Blood-Pressure Lowering and Glucose Control in Type 2 Diabetes. New England Journal of Medicine, 2014, 371, 1392-1406.	13.9	520
10	Gestational diabetes mellitus â€•management guidelines: The Australasian Diabetes in Pregnancy Society. Medical Journal of Australia, 1998, 169, 93-97.	0.8	506
11	Fatty Acid Signaling in the Â-Cell and Insulin Secretion. Diabetes, 2006, 55, S16-S23.	0.3	359
12	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. Lancet Diabetes and Endocrinology,the, 2014, 2, 289-297.	5.5	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. Diabetes Care, 2012, 35, 2012-2017.	4.3	185
14	Insulin resistance and insulin hypersecretion in the metabolic syndrome and type 2 diabetes: Time for a conceptual framework shift. Diabetes and Vascular Disease Research, 2019, 16, 118-127.	0.9	169
15	Insulin Resistance as a Physiological Defense Against Metabolic Stress: Implications for the Management of Subsets of Type 2 Diabetes. Diabetes, 2015, 64, 673-686.	0.3	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. Diabetes, 2004, 53, 1007-1019.	0.3	164
17	Clinical and Histological Correlations of Decline in Renal Function in Diabetic Patients With Proteinuria. Diabetes, 1994, 43, 1046-1051.	0.3	150
18	The fetal glucose steal: an underappreciated phenomenon in diabetic pregnancy. Diabetologia, 2016, 59, 1089-1094.	2.9	139

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19	The islet Î²-cell: fuel responsive and vulnerable. Trends in Endocrinology and Metabolism, 2008, 19, 285-291.	3.1	137
20	Genetic predisposition for beta cell fragility underlies type 1 and type 2 diabetes. Nature Genetics, 2016, 48, 519-527.	9.4	117
21	Beta cell compensation for insulin resistance in Zucker fatty rats: increased lipolysis and fatty acid signalling. Diabetologia, 2006, 49, 2120-2130.	2.9	114
22	Adaptive failure to high-fat diet characterizes steatohepatitis in Alms1 mutant mice. Biochemical and Biophysical Research Communications, 2006, 342, 1152-1159.	1.0	112
23	Lipotoxicity: Why do saturated fatty acids cause and monounsaturates protect against it?. Journal of Gastroenterology and Hepatology (Australia), 2009, 24, 703-706.	1.4	100
24	Munc13-1 Deficiency Reduces Insulin Secretion and Causes Abnormal Glucose Tolerance. Diabetes, 2006, 55, 1421-1429.	0.3	95
25	Pancreatic Islet Adaptation to Fasting Is Dependent on Peroxisome Proliferator-Activated Receptor Î± Transcriptional Up-Regulation of Fatty Acid Oxidation. Endocrinology, 2005, 146, 375-382.	1.4	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.	4.3	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.	1.4	75
28	Diabetes in pregnancy: a new decade of challenges ahead. Diabetologia, 2018, 61, 1012-1021.	2.9	74
29	Diabetes in pregnancy outcomes: A systematic review and proposed codification of definitions. Diabetes/Metabolism Research and Reviews, 2015, 31, 680-690.	1.7	71
30	Effects of gestational diabetes on human placental glucose uptake, transfer, and utilisation. Diabetologia, 2000, 43, 576-582.	2.9	70
31	Strain dependence of dietâ€induced <scp>NASH</scp> and liver fibrosis in obese mice is linked to diabetes and inflammatory phenotype. Liver International, 2014, 34, 1084-1093.	1.9	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.	0.3	67
33	Postprandial hyperinsulinemia is universal in nonâ€diabetic patients with nonalcoholic fatty liver disease. Journal of Gastroenterology and Hepatology (Australia), 2011, 26, 510-516.	1.4	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.	0.7	56
35	Controversies in gestational diabetes. Best Practice and Research in Clinical Obstetrics and Gynaecology, 2011, 25, 37-49.	1.4	54
36	High Passage MIN6 Cells Have Impaired Insulin Secretion with Impaired Glucose and Lipid Oxidation. PLoS ONE, 2012, 7, e40868.	1.1	54

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37	Clinical and histological correlations of decline in renal function in diabetic patients with proteinuria. Diabetes, 1994, 43, 1046-1051.	0.3	52
38	The feto-placental glucose steal phenomenon is a major cause of maternal metabolic adaptation during late pregnancy in the rat. Diabetologia, 1994, 37, 976-984.	2.9	51
39	Pioglitazone Acutely Reduces Insulin Secretion and Causes Metabolic Deceleration of the Pancreatic Î²-Cell at Submaximal Glucose Concentrations. Endocrinology, 2009, 150, 3465-3474.	1.4	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. Diabetologia, 2009, 52, 1122-1132.	2.9	50
41	Upregulation of cellular triacylglycerol â€“ free fatty acid cycling by oleate is associated with long-term serum-free survival of human breast cancer cells. Biochemistry and Cell Biology, 2007, 85, 301-310.	0.9	49
42	Vitamin D status and its predictive factors in pregnancy in 2 Australian populations. Australian and New Zealand Journal of Obstetrics and Gynaecology, 2011, 51, 353-359.	0.4	47
43	Hyperglycaemia in early pregnancy: the Treatment of Booking Gestational diabetes Mellitus (TOBOGM) study. A randomised controlled trial. Medical Journal of Australia, 2018, 209, 405-406.	0.8	44
44	Exercise improves adipose function and inflammation and ameliorates fatty liver disease in obese diabetic mice. Obesity, 2015, 23, 1845-1855.	1.5	43
45	Voluntary running exercise prevents Î²-cell failure in susceptible islets of the Zucker diabetic fatty rat. American Journal of Physiology - Endocrinology and Metabolism, 2012, 302, E254-E264.	1.8	39
46	Strict Preanalytical Oral Glucose Tolerance Test Blood Sample Handling Is Essential for Diagnosing Gestational Diabetes Mellitus. Diabetes Care, 2020, 43, 1438-1441.	4.3	36
47	Experiences of Young People and Their Caregivers of Using Technology to Manage Type 1 Diabetes Mellitus: Systematic Literature Review and Narrative Synthesis. JMIR Diabetes, 2021, 6, e20973.	0.9	36
48	Regulation of lipolytic activity by long-chain acyl-coenzyme A in islets and adipocytes. American Journal of Physiology - Endocrinology and Metabolism, 2005, 289, E1085-E1092.	1.8	32
49	Intensive insulin for type 2 diabetes: the risk of causing harm. Lancet Diabetes and Endocrinology,the, 2013, 1, 9-10.	5.5	31
50	Selective modulation through the glucocorticoid receptor ameliorates muscle pathology in mdx mice. Journal of Pathology, 2013, 231, 223-235.	2.1	31
51	Pioglitazone Acutely Reduces Energy Metabolism and Insulin Secretion in Rats. Diabetes, 2013, 62, 2122-2129.	0.3	28
52	Barriers to a healthy lifestyle post gestational-diabetes: An Australian qualitative study. Women and Birth, 2017, 30, 319-324.	0.9	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. Diabetologia, 2022, 65, 984-996.	2.9	25
54	Dietary modification dampens liver inflammation and fibrosis in obesity-related fatty liver disease. Obesity, 2013, 21, 1189-1199.	1.5	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. Diabetes Care, 1984, 7, 207-210.	4.3	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 Asianâ€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. Australian and New Zealand Journal of Obstetrics and Gynaecology, 1993, 33, 114-118.	0.4	22
58	Effects of perindoprilâ€“indapamide on left ventricular diastolic function and mass in patients with type 2 diabetes: the ADVANCE Echocardiography Substudy. Journal of Hypertension, 2011, 29, 1439-1447.	0.3	20
59	Islet Inflammation, Hemosiderosis, and Fibrosis in Intrauterine Growth-Restricted and High Fat-Fed Sprague-Dawley Rats. American Journal of Pathology, 2014, 184, 1446-1457.	1.9	20
60	Lipotoxicity, Î² Cell Dysfunction, and Gestational Diabetes. Cell Metabolism, 2014, 19, 553-554.	7.2	20
61	Insulin-Induced Glucose Utilization Influences Triglyceride Metabolism. Clinical Science, 1983, 64, 511-516.	1.8	19
62	The Role of Digital Engagement in the Self-Management of Type 2 Diabetes. Health Communication, 2016, 31, 1557-1565.	1.8	19
63	Identification of the signals for glucose-induced insulin secretion in INS1 (832/13) Î²-cells using metformin-induced metabolic deceleration as a model. Journal of Biological Chemistry, 2017, 292, 19458-19468.	1.6	19
64	Exploring Therapeutic Targets to Reverse or Prevent the Transition from Metabolically Healthy to Unhealthy Obesity. Cells, 2020, 9, 1596.	1.8	19
65	Antenatal models of care for women with gestational diabetes mellitus: Vignettes from an international meeting. Australian and New Zealand Journal of Obstetrics and Gynaecology, 2020, 60, 720-728.	0.4	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. Diabetologia, 1996, 39, 785-792.	2.9	17
67	Can body temperature dysregulation explain the co-occurrence between overweight/obesity, sleep impairment, late-night eating, and a sedentary lifestyle?. Eating and Weight Disorders, 2017, 22, 599-608.	1.2	13
68	Comparing Objective Perimetry, Matrix Perimetry, and Regional Retinal Thickness in Mild Diabetic Macular Edema. Translational Vision Science and Technology, 2021, 10, 32.	1.1	13
69	The effects of oophorectomy and female sex steroids on glucose kinetics in the rat. Diabetes Research and Clinical Practice, 1995, 30, 181-188.	1.1	12
70	Reversibility of Defects in Proinsulin Processing and Islet Î²-Cell Failure in Obesity-Related Type 2 Diabetes. Diabetes, 2016, 65, 352-354.	0.3	11
71	When Less Gold is More: Selective Attomolar Biosensing at the Nanoscale. Advanced Functional Materials, 2022, 32, .	7.8	11
72	Circulating lipids are lowered but pancreatic islet lipid metabolism and insulin secretion are unaltered in exercise-trained female rats. Applied Physiology, Nutrition and Metabolism, 2007, 32, 241-248.	0.9	10

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73	Opportunistic pathology-based screening for diabetes. BMJ Open, 2013, 3, e003411.	0.8	9
74	CEREBRAL CYSTICERCOSIS: A CASE REPORT WITH PARTICULAR REFERENCE TO RECENT ADVANCES IN DIAGNOSIS AND TREATMENT. Australian and New Zealand Journal of Medicine, 1987, 17, 55-57.	0.5	8
75	Failure of islet Î²â€cell compensation for insulin resistance causes type 2 diabetes: What causes nonâ€alcoholic fatty liver disease and nonâ€alcoholic steatohepatitis?. Journal of Gastroenterology and Hepatology (Australia), 2010, 25, 1594-1597.	1.4	8
76	â€˜Turning the tideâ€™ on hyperglycemia in pregnancy: insights from multiscale dynamic simulation modeling. BMJ Open Diabetes Research and Care, 2020, 8, e000975.	1.2	8
77	Integrating Multiple Inputs Into an Artificial Pancreas System: Narrative Literature Review. JMIR Diabetes, 2022, 7, e28861.	0.9	8
78	Aspirin for the prevention of preâ€eclampsia in women with preâ€existing diabetes: Systematic review. Australian and New Zealand Journal of Obstetrics and Gynaecology, 2022, 62, 12-21.	0.4	7
79	Forearm arterial vascular responsiveness in insulin-dependent diabetic subjects. Diabetes Research and Clinical Practice, 1993, 21, 127-136.	1.1	6
80	Knockout of the Amino Acid Transporter SLC6A19 and Autoimmune Diabetes Incidence in Female Non-Obese Diabetic (NOD) Mice. Metabolites, 2021, 11, 665.	1.3	6
81	The gestational diabetes tsunami: Can we survive it?. Australian and New Zealand Journal of Obstetrics and Gynaecology, 2016, 56, 333-335.	0.4	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. Journal of Child Health Care, 2018, 22, 447-459.	0.7	5
83	The Potential of Current Noninvasive Wearable Technology for the Monitoring of Physiological Signals in the Management of Type 1 Diabetes: Literature Survey. Journal of Medical Internet Research, 2022, 24, e28901.	2.1	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. Diabetes 2015;64:673â€“686. Diabetes, 2015, 64, e38-e39.	0.3	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?. Journal of Clinical Endocrinology and Metabolism, 2013, 98, 3592-3594.	1.8	3
87	The ADIPS Pilot National Diabetes in Pregnancy Benchmarking Programme. International Journal of Environmental Research and Public Health, 2021, 18, 4899.	1.2	3
88	The single-item Self-Rated Mental Health Question in women with gestational diabetes mellitus. Australasian Psychiatry, 2022, 30, 472-475.	0.4	3
89	RNA Sequencing of All Transcripts and How Islet Î²-Cells Fail. Diabetes, 2014, 63, 1823-1825.	0.3	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.	0.6	2
92	Thereâ€™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.	0.4	1
93	A case of Klinefelter syndrome with hypersexual desire. Endocrinology, Diabetes and Metabolism Case Reports, 2017, 2017, .	0.2	1
94	The Role of Fatty Acid Signaling in Islet Beta-Cell Adaptation to Normal Pregnancy. Frontiers in Endocrinology, 2021, 12, 799081.	1.5	1
95	A Significance Assessment of Diabetes Diagnostic Biomarkers Using Machine Learning. Studies in Health Technology and Informatics, 2021, 284, 36-38.	0.2	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, .	0.2	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.	0.2	0