

# Timothy J Mcdonald

## List of Publications by Citations

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112  
papers

3,299  
citations

30  
h-index

56  
g-index

121  
ext. papers

4,421  
ext. citations

7.8  
avg, IF

5.07  
L-index

#	Paper	IF	Citations
112	Activating germline mutations in STAT3 cause early-onset multi-organ autoimmune disease. <i>Nature Genetics</i> , <b>2014</b> , 46, 812-814	36.3	328
111	Predictors of anti-TNF treatment failure in anti-TNF-naive patients with active luminal Crohn's disease: a prospective, multicentre, cohort study. <i>The Lancet Gastroenterology and Hepatology</i> , <b>2019</b> , 4, 341-353	18.8	224
110	The majority of patients with long-duration type 1 diabetes are insulin microsecretors and have functioning beta cells. <i>Diabetologia</i> , <b>2014</b> , 57, 187-91	10.3	188
109	The development and validation of a clinical prediction model to determine the probability of MODY in patients with young-onset diabetes. <i>Diabetologia</i> , <b>2012</b> , 55, 1265-72	10.3	172
108	A Type 1 Diabetes Genetic Risk Score Can Aid Discrimination Between Type 1 and Type 2 Diabetes in Young Adults. <i>Diabetes Care</i> , <b>2016</b> , 39, 337-44	14.6	141
107	Islet autoantibodies can discriminate maturity-onset diabetes of the young (MODY) from Type 1 diabetes. <i>Diabetic Medicine</i> , <b>2011</b> , 28, 1028-33	3.5	127
106	Systematic Population Screening, Using Biomarkers and Genetic Testing, Identifies 2.5% of the U.K. Pediatric Diabetes Population With Monogenic Diabetes. <i>Diabetes Care</i> , <b>2016</b> , 39, 1879-1888	14.6	117
105	HLA-DQA1*05 Carriage Associated With Development of Anti-Drug Antibodies to Infliximab and Adalimumab in Patients With Crohn's Disease. <i>Gastroenterology</i> , <b>2020</b> , 158, 189-199	13.3	117
104	Maturity onset diabetes of the young: identification and diagnosis. <i>Annals of Clinical Biochemistry</i> , <b>2013</b> , 50, 403-15	2.2	96
103	Urinary C-peptide creatinine ratio is a practical outpatient tool for identifying hepatocyte nuclear factor 1- $\alpha$ /hepatocyte nuclear factor 4- $\alpha$ maturity-onset diabetes of the young from long-duration type 1 diabetes. <i>Diabetes Care</i> , <b>2011</b> , 34, 286-91	14.6	96
102	Markers of $\beta$ Cell Failure Predict Poor Glycemic Response to GLP-1 Receptor Agonist Therapy in Type 2 Diabetes. <i>Diabetes Care</i> , <b>2016</b> , 39, 250-7	14.6	94
101	Infliximab is associated with attenuated immunogenicity to BNT162b2 and ChAdOx1 nCoV-19 SARS-CoV-2 vaccines in patients with IBD. <i>Gut</i> , <b>2021</b> , 70, 1884-1893	19.2	93
100	Response to Comment on: McDonald et al. High-Sensitivity CRP Discriminates HNF1A-MODY From Other Subtypes of Diabetes. <i>Diabetes Care</i> 2011;34:1860-1862. <i>Diabetes Care</i> , <b>2011</b> , 34, e187-e187	14.6	78
99	Most people with long-duration type 1 diabetes in a large population-based study are insulin microsecretors. <i>Diabetes Care</i> , <b>2015</b> , 38, 323-8	14.6	76
98	High-sensitivity CRP discriminates HNF1A-MODY from other subtypes of diabetes. <i>Diabetes Care</i> , <b>2011</b> , 34, 1860-2	14.6	76
97	Anti-SARS-CoV-2 antibody responses are attenuated in patients with IBD treated with infliximab. <i>Gut</i> , <b>2021</b> , 70, 865-875	19.2	76
96	Population-Based Assessment of a Biomarker-Based Screening Pathway to Aid Diagnosis of Monogenic Diabetes in Young-Onset Patients. <i>Diabetes Care</i> , <b>2017</b> , 40, 1017-1025	14.6	73

95	The HNF4A R76W mutation causes atypical dominant Fanconi syndrome in addition to a $\beta$ -cell phenotype. <i>Journal of Medical Genetics</i> , <b>2014</b> , 51, 165-9	5.8	57
94	C-Peptide Decline in Type 1 Diabetes Has Two Phases: An Initial Exponential Fall and a Subsequent Stable Phase. <i>Diabetes Care</i> , <b>2018</b> , 41, 1486-1492	14.6	54
93	Type 1 diabetes defined by severe insulin deficiency occurs after 30 years of age and is commonly treated as type 2 diabetes. <i>Diabetologia</i> , <b>2019</b> , 62, 1167-1172	10.3	48
92	Stability and reproducibility of a single-sample urinary C-peptide/creatinine ratio and its correlation with 24-h urinary C-peptide. <i>Clinical Chemistry</i> , <b>2009</b> , 55, 2035-9	5.5	48
91	Urine C-peptide creatinine ratio is a noninvasive alternative to the mixed-meal tolerance test in children and adults with type 1 diabetes. <i>Diabetes Care</i> , <b>2011</b> , 34, 607-9	14.6	48
90	Studies of insulin and proinsulin in pancreas and serum support the existence of aetiopathological endotypes of type 1 diabetes associated with age at diagnosis. <i>Diabetologia</i> , <b>2020</b> , 63, 1258-1267	10.3	40
89	Discovery of biomarkers for glycaemic deterioration before and after the onset of type 2 diabetes: rationale and design of the epidemiological studies within the IMI DIRECT Consortium. <i>Diabetologia</i> , <b>2014</b> , 57, 1132-42	10.3	39
88	Commercial insulin immunoassays fail to detect commonly prescribed insulin analogues. <i>Clinical Biochemistry</i> , <b>2015</b> , 48, 1354-7	3.5	38
87	Precision Medicine in Type 2 Diabetes: Clinical Markers of Insulin Resistance Are Associated With Altered Short- and Long-term Glycemic Response to DPP-4 Inhibitor Therapy. <i>Diabetes Care</i> , <b>2018</b> , 41, 705-712	14.6	36
86	Random non-fasting C-peptide: bringing robust assessment of endogenous insulin secretion to the clinic. <i>Diabetic Medicine</i> , <b>2016</b> , 33, 1554-1558	3.5	34
85	Beta cell function and ongoing autoimmunity in long-standing, childhood onset type 1 diabetes. <i>Diabetologia</i> , <b>2016</b> , 59, 2722-2726	10.3	33
84	EDTA improves stability of whole blood C-peptide and insulin to over 24 hours at room temperature. <i>PLoS ONE</i> , <b>2012</b> , 7, e42084	3.7	31
83	Lipoprotein composition in HNF1A-MODY: differentiating between HNF1A-MODY and type 2 diabetes. <i>Clinica Chimica Acta</i> , <b>2012</b> , 413, 927-32	6.2	30
82	Urine C-peptide creatinine ratio is an alternative to stimulated serum C-peptide measurement in late-onset, insulin-treated diabetes. <i>Diabetic Medicine</i> , <b>2011</b> , 28, 1034-8	3.5	26
81	Home urine C-peptide creatinine ratio (UCPCR) testing can identify type 2 and MODY in pediatric diabetes. <i>Pediatric Diabetes</i> , <b>2013</b> , 14, 181-8	3.6	22
80	Validation of a single-sample urinary C-peptide creatinine ratio as a reproducible alternative to serum C-peptide in patients with Type 2 diabetes. <i>Diabetic Medicine</i> , <b>2012</b> , 29, 90-3	3.5	22
79	Persistent C-peptide is associated with reduced hypoglycaemia but not HbA in adults with longstanding Type 1 diabetes: evidence for lack of intensive treatment in UK clinical practice?. <i>Diabetic Medicine</i> , <b>2019</b> , 36, 1092-1099	3.5	21
78	Faecal calprotectin effectively excludes inflammatory bowel disease in 789 symptomatic young adults with/without alarm symptoms: a prospective UK primary care cohort study. <i>Alimentary Pharmacology and Therapeutics</i> , <b>2018</b> , 47, 1103-1116	6.1	21

77	Random non-fasting C-peptide testing can identify patients with insulin-treated type 2 diabetes at high risk of hypoglycaemia. <i>Diabetologia</i> , <b>2018</b> , 61, 66-74	10.3	21
76	Persistent C-peptide secretion in Type 1 diabetes and its relationship to the genetic architecture of diabetes. <i>BMC Medicine</i> , <b>2019</b> , 17, 165	11.4	20
75	A type 1 diabetes genetic risk score can discriminate monogenic autoimmunity with diabetes from early-onset clustering of polygenic autoimmunity with diabetes. <i>Diabetologia</i> , <b>2018</b> , 61, 862-869	10.3	20
74	A Type 1 Diabetes Genetic Risk Score Can Identify Patients With GAD65 Autoantibody-Positive Type 2 Diabetes Who Rapidly Progress to Insulin Therapy. <i>Diabetes Care</i> , <b>2019</b> , 42, 208-214	14.6	20
73	Hypoglycaemia following diabetes remission in patients with 6q24 methylation defects: expanding the clinical phenotype. <i>Diabetologia</i> , <b>2013</b> , 56, 218-21	10.3	19
72	Diagnostic performance of a faecal immunochemical test for patients with low-risk symptoms of colorectal cancer in primary care: an evaluation in the South West of England. <i>British Journal of Cancer</i> , <b>2021</b> , 124, 1231-1236	8.7	19
71	Predicting and elucidating the etiology of fatty liver disease: A machine learning modeling and validation study in the IMI DIRECT cohorts. <i>PLoS Medicine</i> , <b>2020</b> , 17, e1003149	11.6	18
70	Clinical Impact of Residual C-Peptide Secretion in Type 1 Diabetes on Glycemia and Microvascular Complications. <i>Diabetes Care</i> , <b>2021</b> , 44, 390-398	14.6	18
69	The impact of insulin administration during the mixed meal tolerance test. <i>Diabetic Medicine</i> , <b>2012</b> , 29, 1279-84	3.5	17
68	Fetal macrosomia and neonatal hyperinsulinemic hypoglycemia associated with transplacental transfer of sulfonylurea in a mother with KCNJ11-related neonatal diabetes. <i>Diabetes Care</i> , <b>2014</b> , 37, 3333-5	14.6	16
67	Zinc Transporter 8 Autoantibodies (ZnT8A) and a Type 1 Diabetes Genetic Risk Score Can Exclude Individuals With Type 1 Diabetes From Inappropriate Genetic Testing for Monogenic Diabetes. <i>Diabetes Care</i> , <b>2019</b> , 42, e16-e17	14.6	15
66	Discovery of biomarkers for glycaemic deterioration before and after the onset of type 2 diabetes: descriptive characteristics of the epidemiological studies within the IMI DIRECT Consortium. <i>Diabetologia</i> , <b>2019</b> , 62, 1601-1615	10.3	14
65	Adalimumab and infliximab impair SARS-CoV-2 antibody responses: results from a therapeutic drug monitoring study in 11422 biologic-treated patients. <i>Journal of Crohns and Colitis</i> , <b>2021</b> ,	1.5	13
64	The association between postprandial urinary C-peptide creatinine ratio and the treatment response to liraglutide: a multi-centre observational study. <i>Diabetic Medicine</i> , <b>2014</b> , 31, 403-11	3.5	12
63	A high-sensitivity electrochemiluminescence-based ELISA for the measurement of the oxidative stress biomarker, 3-nitrotyrosine, in human blood serum and cells. <i>Free Radical Biology and Medicine</i> , <b>2018</b> , 120, 246-254	7.8	11
62	Assessment of endogenous insulin secretion in insulin treated diabetes predicts postprandial glucose and treatment response to prandial insulin. <i>BMC Endocrine Disorders</i> , <b>2012</b> , 12, 6	3.3	10
61	Urinary C-peptide creatinine ratio detects absolute insulin deficiency in Type 2 diabetes. <i>Diabetic Medicine</i> , <b>2013</b> , 30, 1342-8	3.5	10
60	The impact of gender on urine C-peptide creatinine ratio interpretation. <i>Annals of Clinical Biochemistry</i> , <b>2012</b> , 49, 363-8	2.2	10

59	Latent Autoimmune Diabetes of Adults (LADA) Is Likely to Represent a Mixed Population of Autoimmune (Type 1) and Nonautoimmune (Type 2) Diabetes. <i>Diabetes Care</i> , <b>2021</b> , 44, 1243-1251	14.6	10
58	Investigating hyperkalaemia in adults. <i>BMJ, The</i> , <b>2015</b> , 351, h4762	5.9	9
57	Urine C-peptide creatinine ratio can be used to assess insulin resistance and insulin production in people without diabetes: an observational study. <i>BMJ Open</i> , <b>2013</b> , 3, e003193	3	9
56	Type 1 diabetes can present before the age of 6 months and is characterised by autoimmunity and rapid loss of beta cells. <i>Diabetologia</i> , <b>2020</b> , 63, 2605-2615	10.3	9
55	Type 1 diabetes genetic risk score discriminates between monogenic and Type 1 diabetes in children diagnosed at the age of . <i>Diabetic Medicine</i> , <b>2019</b> , 36, 1694-1702	3.5	8
54	Diagnostic confusion? Repeat HbA1c for the diagnosis of diabetes. <i>Diabetes Care</i> , <b>2014</b> , 37, e135-6	14.6	8
53	Cystatin C is not a good candidate biomarker for HNF1A-MODY. <i>Acta Diabetologica</i> , <b>2013</b> , 50, 815-20	3.9	7
52	Screening for neonatal diabetes at day 5 of life using dried blood spot glucose measurement. <i>Diabetologia</i> , <b>2017</b> , 60, 2168-2173	10.3	7
51	Current laboratory requirements for adrenocorticotrophic hormone and renin/aldosterone sample handling are unnecessarily restrictive. <i>Clinical Medicine</i> , <b>2017</b> , 17, 18-21	1.9	6
50	Effect of the holiday season in patients with diabetes: glycemia and lipids increase postholiday, but the effect is small and transient. <i>Diabetes Care</i> , <b>2014</b> , 37, e98-9	14.6	6
49	Processes Underlying Glycemic Deterioration in Type 2 Diabetes: An IMI DIRECT Study. <i>Diabetes Care</i> , <b>2021</b> , 44, 511-518	14.6	6
48	Postexercise Glycemic Control in Type 1 Diabetes Is Associated With Residual $\beta$ Cell Function. <i>Diabetes Care</i> , <b>2020</b> , 43, 2362-2370	14.6	6
47	Predictors of Recurrent Severe Hypoglycemia in Adults With Type 1 Diabetes and Impaired Awareness of Hypoglycemia During the HypoCOMPASS Study. <i>Diabetes Care</i> , <b>2020</b> , 43, 44-52	14.6	6
46	Infliximab and adalimumab are stable in whole blood clotted samples for seven days at room temperature. <i>Annals of Clinical Biochemistry</i> , <b>2015</b> , 52, 672-4	2.2	5
45	Exocrine pancreatic dysfunction is common in hepatocyte nuclear factor 1B-associated renal disease and can be symptomatic. <i>CKJ: Clinical Kidney Journal</i> , <b>2018</b> , 11, 453-458	4.5	5
44	Detection of C-Peptide in Urine as a Measure of Ongoing Beta Cell Function. <i>Methods in Molecular Biology</i> , <b>2016</b> , 1433, 93-102	1.4	5
43	Strategies to identify individuals with monogenic diabetes: results of an economic evaluation. <i>BMJ Open</i> , <b>2020</b> , 10, e034716	3	5
42	The governance structure for data access in the DIRECT consortium: an innovative medicines initiative (IMI) project. <i>Life Sciences, Society and Policy</i> , <b>2018</b> , 14, 20	3.2	5

41	The association between GAD65 antibody levels and incident Type 2 Diabetes Mellitus in an adult population: A meta-analysis. <i>Metabolism: Clinical and Experimental</i> , <b>2019</b> , 95, 1-7	12.7	4
40	The role of physical activity in metabolic homeostasis before and after the onset of type 2 diabetes: an IMI DIRECT study. <i>Diabetologia</i> , <b>2020</b> , 63, 744-756	10.3	4
39	Home urine C-peptide creatinine ratio can be used to monitor islet transplant function. <i>Diabetes Care</i> , <b>2014</b> , 37, 1737-40	14.6	4
38	Preanalytical sample handling of venous blood: how to ensure your glucose measurement is accurate and reliable. <i>Practical Diabetes</i> , <b>2013</b> , 30, 128-131	0.7	4
37	Profiles of Glucose Metabolism in Different Prediabetes Phenotypes, Classified by Fasting Glycemia, 2-Hour OGTT, Glycated Hemoglobin, and 1-Hour OGTT: An IMI DIRECT Study. <i>Diabetes</i> , <b>2021</b> , 70, 2092-2106	0.9	4
36	Low IgE Is a Useful Tool to Identify STAT3 Gain-of-Function Mutations. <i>Clinical Chemistry</i> , <b>2016</b> , 62, 1536-1538	4.5	4
35	Interleukin-1 antagonism in type 1 diabetes of long duration. <i>Diabetes and Metabolism</i> , <b>2016</b> , 42, 453-456	5.4	4
34	Patterns of postmeal insulin secretion in individuals with sulfonylurea-treated neonatal diabetes show predominance of non-K-channel pathways. <i>BMJ Open Diabetes Research and Care</i> , <b>2019</b> , 7, e000724	4.5	4
33	Stability of urinary albumin and creatinine after 12 months storage at -20 °C and -80 °C. <i>Practical Laboratory Medicine</i> , <b>2019</b> , 15, e00120	1.7	3
32	Primary care faecal calprotectin testing in children with suspected inflammatory bowel disease: a diagnostic accuracy study. <i>Archives of Disease in Childhood</i> , <b>2020</b> , 105, 957-963	2.2	3
31	Whole blood co-expression modules associate with metabolic traits and type 2 diabetes: an IMI-DIRECT study. <i>Genome Medicine</i> , <b>2020</b> , 12, 109	14.4	3
30	Reappearance of C-Peptide During the Third Trimester of Pregnancy in Type 1 Diabetes: Pancreatic Regeneration or Fetal Hyperinsulinism?. <i>Diabetes Care</i> , <b>2021</b> , 44, 1826-1834	14.6	3
29	Covid-19 vaccine-induced antibodies are attenuated and decay rapidly in infliximab treated patients		3
28	Enzyme-linked immunosorbent assays for monitoring TNF-alpha inhibitors and antibody levels in people with rheumatoid arthritis: a systematic review and economic evaluation. <i>Health Technology Assessment</i> , <b>2021</b> , 25, 1-248	4.4	3
27	Antibody decay, T cell immunity and breakthrough infections following two SARS-CoV-2 vaccine doses in inflammatory bowel disease patients treated with infliximab and vedolizumab.. <i>Nature Communications</i> , <b>2022</b> , 13, 1379	17.4	3
26	The challenge of diagnosing type 1 diabetes in older adults. <i>Diabetic Medicine</i> , <b>2020</b> , 37, 1781-1782	3.5	2
25	A novel case of a raised testosterone and LH in a young man. <i>Clinica Chimica Acta</i> , <b>2011</b> , 412, 1999-2001	6.2	2
24	Validating the positivity thresholds of drug-tolerant anti-infliximab and anti-adalimumab antibody assays. <i>Alimentary Pharmacology and Therapeutics</i> , <b>2021</b> , 53, 128-137	6.1	2

23	Proinsulin is stable at room temperature for 24 hours in EDTA: A clinical laboratory analysis (adAPT 3). <i>PLoS ONE</i> , <b>2017</b> , 12, e0171716	3.7	2
22	Post-load glucose subgroups and associated metabolic traits in individuals with type 2 diabetes: An IMI-DIRECT study. <i>PLoS ONE</i> , <b>2020</b> , 15, e0242360	3.7	2
21	Dietary metabolite profiling brings new insight into the relationship between nutrition and metabolic risk: An IMI DIRECT study. <i>EBioMedicine</i> , <b>2020</b> , 58, 102932	8.8	2
20	Clinical profiles of post-load glucose subgroups and their association with glycaemic traits over time: An IMI-DIRECT study. <i>Diabetic Medicine</i> , <b>2021</b> , 38, e14428	3.5	2
19	Patient-led Remote IntraCapillary pharmacokinetic Sampling (fingerPRICKS) for therapeutic drug monitoring in patients with inflammatory bowel disease. <i>Journal of Crohns and Colitis</i> , <b>2021</b> ,	1.5	2
18	Comment on: "Dulaglutide treatment results in effective glycaemic control in latent autoimmune diabetes in adults (LADA): A post-hoc analysis of the AWARD-2, -4 and -5 trials". <i>Diabetes, Obesity and Metabolism</i> , <b>2018</b> , 20, 1549-1550	6.7	1
17	Type 1 Diabetes Patients With Different Residual Beta-Cell Function but Similar Age, HBA1c, and Cardiorespiratory Fitness Have Differing Exercise-Induced Angiogenic Cell Mobilisation.. <i>Frontiers in Endocrinology</i> , <b>2022</b> , 13, 797438	5.7	1
16	Antibody decay, T cell immunity and breakthrough infections following two SARS-CoV-2 vaccine doses in infliximab- and vedolizumab-treated patients		1
15	Diagnostic performance of the faecal immunochemical test for patients with low-risk symptoms of colorectal cancer in primary care: a service evaluation in the South West of England		1
14	Parental experiences of a diagnosis of neonatal diabetes and perceptions of newborn screening for glucose: a qualitative study. <i>BMJ Open</i> , <b>2020</b> , 10, e037312	3	0
13	Measurement of Peak C-Peptide at Diagnosis Informs Glycemic Control but not Hypoglycemia in Adults With Type 1 Diabetes. <i>Journal of the Endocrine Society</i> , <b>2021</b> , 5, bvab127	0.4	0
12	Capturing the real-world benefit of residual $\beta$ cell function during clinically important time-periods in established Type 1 diabetes.. <i>Diabetic Medicine</i> , <b>2022</b> , e14814	3.5	0
11	A cautionary tale: Unforeseen consequences of lean processing in a blood sciences laboratory. <i>Clinical Biochemistry</i> , <b>2016</b> , 49, 1311-1312	3.5	
10	P196 Pre-treatment antibodies to infliximab and adalimumab are common but are not associated with anti-TNF treatment failure. <i>Journal of Crohns and Colitis</i> , <b>2022</b> , 16, i256-i256	1.5	
9	OP22 Antibody decay, T cell immunity and breakthrough infections following SARS-CoV-2 vaccination in infliximab- and vedolizumab-treated patients. <i>Journal of Crohns and Colitis</i> , <b>2022</b> , 16, i023-i025	1.5	1025
8	Response to Comment on Meek et al. Reappearance of C-Peptide During the Third Trimester in Type 1 Diabetes Pregnancy: Pancreatic Regeneration or Fetal Hyperinsulinism? <i>Diabetes Care</i> 2021;44:1826-1834.. <i>Diabetes Care</i> , <b>2022</b> , 45, e43-e44	14.6	
7	Using highly sensitive C-reactive protein measurement to diagnose MODY in a family with suspected type 2 diabetes. <i>BMJ Case Reports</i> , <b>2012</b> , 2012,	0.9	
6	Abklärung einer Hypokaliämie. <i>Praxis</i> , <b>2014</b> , 103, 341-345	0.1	

- 5 Predicting and elucidating the etiology of fatty liver disease: A machine learning modeling and validation study in the IMI DIRECT cohorts **2020**, 17, e1003149
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