

Beverley M Shields

List of Publications by Year in descending order

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Version: 2024-02-01

93
papers

6,932
citations

61984

43
h-index

64796

79
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96
all docs

96
docs citations

96
times ranked

7767
citing authors

#	ARTICLE	IF	CITATIONS
1	Maturity-onset diabetes of the young (MODY): how many cases are we missing?. <i>Diabetologia</i> , 2010, 53, 2504-2508.	6.3	560
2	Maternal and fetal genetic effects on birth weight and their relevance to cardio-metabolic risk factors. <i>Nature Genetics</i> , 2019, 51, 804-814.	21.4	402
3	Frequency and phenotype of type 1 diabetes in the first six decades of life: a cross-sectional, genetically stratified survival analysis from UK Biobank. <i>Lancet Diabetes and Endocrinology</i> , 2018, 6, 122-129.	11.4	291
4	Disease progression and treatment response in data-driven subgroups of type 2 diabetes compared with models based on simple clinical features: an analysis using clinical trial data. <i>Lancet Diabetes and Endocrinology</i> , 2019, 7, 442-451.	11.4	280
5	Prevalence of Vascular Complications Among Patients With Glucokinase Mutations and Prolonged, Mild Hyperglycemia. <i>JAMA - Journal of the American Medical Association</i> , 2014, 311, 279.	7.4	257
6	The majority of patients with long-duration type 1 diabetes are insulin microsecretors and have functioning beta cells. <i>Diabetologia</i> , 2014, 57, 187-191.	6.3	240
7	Effective Treatment With Oral Sulfonylureas in Patients With Diabetes Due to Sulfonylurea Receptor 1 (SUR1) Mutations. <i>Diabetes Care</i> , 2008, 31, 204-209.	8.6	239
8	The development and validation of a clinical prediction model to determine the probability of MODY in patients with young-onset diabetes. <i>Diabetologia</i> , 2012, 55, 1265-1272.	6.3	238
9	A Type 1 Diabetes Genetic Risk Score Can Aid Discrimination Between Type 1 and Type 2 Diabetes in Young Adults. <i>Diabetes Care</i> , 2016, 39, 337-344.	8.6	231
10	Association of Thyroid Function Test Abnormalities and Thyroid Autoimmunity With Preterm Birth. <i>JAMA - Journal of the American Medical Association</i> , 2019, 322, 632.	7.4	224
11	Recognition and Management of Individuals With Hyperglycemia Because of a Heterozygous Glucokinase Mutation. <i>Diabetes Care</i> , 2015, 38, 1383-1392.	8.6	217
12	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> , 2016, 39, 1879-1888.	8.6	172
13	Cross-sectional and longitudinal studies suggest pharmacological treatment used in patients with glucokinase mutations does not alter glycaemia. <i>Diabetologia</i> , 2014, 57, 54-56.	6.3	164
14	Identification of Novel Genetic Loci Associated with Thyroid Peroxidase Antibodies and Clinical Thyroid Disease. <i>PLoS Genetics</i> , 2014, 10, e1004123.	3.5	150
15	Markers of β -Cell Failure Predict Poor Glycemic Response to GLP-1 Receptor Agonist Therapy in Type 2 Diabetes. <i>Diabetes Care</i> , 2016, 39, 250-257.	8.6	132
16	Urinary C-Peptide Creatinine Ratio Is a Practical Outpatient Tool for Identifying Hepatocyte Nuclear Factor 1- Δ /Hepatocyte Nuclear Factor 4- Δ Maturity-Onset Diabetes of the Young From Long-Duration Type 1 Diabetes. <i>Diabetes Care</i> , 2011, 34, 286-291.	8.6	123
17	Population-Based Assessment of a Biomarker-Based Screening Pathway to Aid Diagnosis of Monogenic Diabetes in Young-Onset Patients. <i>Diabetes Care</i> , 2017, 40, 1017-1025.	8.6	111
18	Most People With Long-Duration Type 1 Diabetes in a Large Population-Based Study Are Insulin Microsecretors. <i>Diabetes Care</i> , 2015, 38, 323-328.	8.6	104

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19	Use of HbA1c in the Identification of Patients with Hyperglycaemia Caused by a Glucokinase Mutation: Observational Case Control Studies. <i>PLoS ONE</i> , 2013, 8, e65326.	2.5	101
20	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> , 2019, 62, 1167-1172.	6.3	100
21	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> , 2020, 63, 1258-1267.	6.3	98
22	Fetal Thyroid Hormone Level at Birth Is Associated with Fetal Growth. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2011, 96, E934-E938.	3.6	97
23	Increased all-cause and cardiovascular mortality in monogenic diabetes as a result of mutations in the HNF1A gene. <i>Diabetic Medicine</i> , 2010, 27, 157-161.	2.3	96
24	Sex and BMI Alter the Benefits and Risks of Sulfonylureas and Thiazolidinediones in Type 2 Diabetes: A Framework for Evaluating Stratification Using Routine Clinical and Individual Trial Data. <i>Diabetes Care</i> , 2018, 41, 1844-1853.	8.6	91
25	Can clinical features be used to differentiate type 1 from type 2 diabetes? A systematic review of the literature. <i>BMJ Open</i> , 2015, 5, e009088.	1.9	81
26	C-Peptide Decline in Type 1 Diabetes Has Two Phases: An Initial Exponential Fall and a Subsequent Stable Phase. <i>Diabetes Care</i> , 2018, 41, 1486-1492.	8.6	81
27	Adherence to Oral Glucose-Lowering Therapies and Associations With 1-Year HbA1c: A Retrospective Cohort Analysis in a Large Primary Care Database. <i>Diabetes Care</i> , 2016, 39, 258-263.	8.6	79
28	Evidence of genetic regulation of fetal longitudinal growth. <i>Early Human Development</i> , 2005, 81, 823-831.	1.8	75
29	Lower Circulating B12 Is Associated with Higher Obesity and Insulin Resistance during Pregnancy in a Non-Diabetic White British Population. <i>PLoS ONE</i> , 2015, 10, e0135268.	2.5	74
30	Logistic regression has similar performance to optimised machine learning algorithms in a clinical setting: application to the discrimination between type 1 and type 2 diabetes in young adults. <i>Diagnostic and Prognostic Research</i> , 2020, 4, 6.	1.8	69
31	Measurement of Cord Insulin and Insulin-Related Peptides Suggests That Girls Are More Insulin Resistant Than Boys at Birth. <i>Diabetes Care</i> , 2007, 30, 2661-2666.	8.6	68
32	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> , 2018, 41, 705-712.	8.6	67
33	The Exeter Family Study of Childhood Health (EFSOCH): study protocol and methodology. <i>Paediatric and Perinatal Epidemiology</i> , 2006, 20, 172-179.	1.7	65
34	A UK nationwide prospective study of treatment change in MODY: genetic subtype and clinical characteristics predict optimal glycaemic control after discontinuing insulin and metformin. <i>Diabetologia</i> , 2018, 61, 2520-2527.	6.3	65
35	Cigarette Smoking during Pregnancy Is Associated with Alterations in Maternal and Fetal Thyroid Function. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2009, 94, 570-574.	3.6	64
36	Time trends in prescribing of type 2 diabetes drugs, glycaemic response and risk factors: A retrospective analysis of primary care data, 2010-2017. <i>Diabetes, Obesity and Metabolism</i> , 2019, 21, 1576-1584.	4.4	64

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37	Time trends and geographical variation in prescribing of drugs for diabetes in England from 1998 to 2017. <i>Diabetes, Obesity and Metabolism</i> , 2018, 20, 2159-2168.	4.4	63
38	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> , 2011, 34, 607-609.	8.6	62
39	Lessons From the Mixed-Meal Tolerance Test. <i>Diabetes Care</i> , 2013, 36, 195-201.	8.6	61
40	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> , 2009, 55, 2035-2039.	3.2	60
41	Practical Classification Guidelines for Diabetes in patients treated with insulin: a cross-sectional study of the accuracy of diabetes diagnosis. <i>British Journal of General Practice</i> , 2016, 66, e315-e322.	1.4	60
42	Maternal hypothyroxinaemia in pregnancy is associated with obesity and adverse maternal metabolic parameters. <i>European Journal of Endocrinology</i> , 2016, 174, 51-57.	3.7	58
43	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> , 2021, 44, 1243-1251.	8.6	52
44	Random nonfasting C-peptide: bringing robust assessment of endogenous insulin secretion to the clinic. <i>Diabetic Medicine</i> , 2016, 33, 1554-1558.	2.3	50
45	Development and validation of multivariable clinical diagnostic models to identify type 1 diabetes requiring rapid insulin therapy in adults aged 18-50 years. <i>BMJ Open</i> , 2019, 9, e031586.	1.9	49
46	Risk factors for genital infections in people initiating SGLT2 inhibitors and their impact on discontinuation. <i>BMJ Open Diabetes Research and Care</i> , 2020, 8, e001238.	2.8	43
47	Five-Year Follow-Up for Women With Subclinical Hypothyroidism in Pregnancy. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2013, 98, E1941-E1945.	3.6	42
48	EDTA Improves Stability of Whole Blood C-Peptide and Insulin to Over 24 Hours at Room Temperature. <i>PLoS ONE</i> , 2012, 7, e42084.	2.5	39
49	Fetal Genotype and Maternal Glucose Have Independent and Additive Effects on Birth Weight. <i>Diabetes</i> , 2018, 67, 1024-1029.	0.6	38
50	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> , 2019, 42, 208-214.	8.6	35
51	Urine C-peptide creatinine ratio is an alternative to stimulated serum C-peptide measurement in late-onset, insulin-treated diabetes. <i>Diabetic Medicine</i> , 2011, 28, 1034-1038.	2.3	32
52	Effect of perchlorate and thiocyanate exposure on thyroid function of pregnant women from South-West England: a cohort study. <i>Thyroid Research</i> , 2018, 11, 9.	1.5	32
53	Persistent C-peptide is associated with reduced hypoglycaemia but not HbA _{1c} in adults with longstanding Type 1 diabetes: evidence for lack of intensive treatment in UK clinical practice?. <i>Diabetic Medicine</i> , 2019, 36, 1092-1099.	2.3	32
54	Mutations in the Glucokinase Gene of the Fetus Result in Reduced Placental Weight. <i>Diabetes Care</i> , 2008, 31, 753-757.	8.6	30

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55	Phosphodiesterase 8B Gene Polymorphism Is Associated with Subclinical Hypothyroidism in Pregnancy. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2009, 94, 4608-4612.	3.6	30
56	Random non-fasting C-peptide testing can identify patients with insulin-treated type 2 diabetes at high risk of hypoglycaemia. <i>Diabetologia</i> , 2018, 61, 66-74.	6.3	30
57	Home urine C-peptide creatinine ratio testing can identify type 2 and MODY in pediatric diabetes. <i>Pediatric Diabetes</i> , 2012, 14, n/a-n/a.	2.9	29
58	Iodine deficiency amongst pregnant women in South-West England. <i>Clinical Endocrinology</i> , 2017, 86, 451-455.	2.4	29
59	South Asian individuals with diabetes who are referred for MODY testing in the UK have a lower mutation pick-up rate than white European people. <i>Diabetologia</i> , 2016, 59, 2262-2265.	6.3	28
60	Cohort profile for the MASTERMIND study: using the Clinical Practice Research Datalink (CPRD) to investigate stratification of response to treatment in patients with type 2 diabetes. <i>BMJ Open</i> , 2017, 7, e017989.	1.9	28
61	Prematurity and Genetic Testing for Neonatal Diabetes. <i>Pediatrics</i> , 2016, 138, .	2.1	27
62	Should Studies of Diabetes Treatment Stratification Correct for Baseline HbA1c?. <i>PLoS ONE</i> , 2016, 11, e0152428.	2.5	26
63	Are we missing hypoglycaemia? Elderly patients with insulin-treated diabetes present to primary care frequently with non-specific symptoms associated with hypoglycaemia. <i>Primary Care Diabetes</i> , 2018, 12, 139-146.	1.8	24
64	Assessing newborn body composition using principal components analysis: differences in the determinants of fat and skeletal size. <i>BMC Pediatrics</i> , 2006, 6, 24.	1.7	21
65	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> , 2019, 42, e16-e17.	8.6	19
66	Paternal insulin resistance and its association with umbilical cord insulin concentrations. <i>Diabetologia</i> , 2006, 49, 2668-2674.	6.3	18
67	TriMaster: randomised double-blind crossover study of a DPP4 inhibitor, SGLT2 inhibitor and thiazolidinedione as second-line or third-line therapy in patients with type 2 diabetes who have suboptimal glycaemic control on metformin treatment with or without a sulfonylurea—a MASTERMIND study protocol. <i>BMJ Open</i> , 2020, 10, e042784.	1.9	17
68	Improvements in Awareness and Testing Have Led to a Threefold Increase Over 10 Years in the Identification of Monogenic Diabetes in the U.K.. <i>Diabetes Care</i> , 2022, 45, 642-649.	8.6	17
69	Histological validation of a type 1 diabetes clinical diagnostic model for classification of diabetes. <i>Diabetic Medicine</i> , 2020, 37, 2160-2168.	2.3	15
70	Evaluating associations between the benefits and risks of drug therapy in type 2 diabetes: a joint modeling approach. <i>Clinical Epidemiology</i> , 2018, Volume 10, 1869-1877.	3.0	14
71	Determinants of insulin concentrations in healthy 1-week-old babies in the community: Applications of a bloodspot assay. <i>Early Human Development</i> , 2006, 82, 143-148.	1.8	12
72	Towards a systematic nationwide screening strategy for MODY. <i>Diabetologia</i> , 2017, 60, 609-612.	6.3	12

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73	Identifying Good Responders to Glucose Lowering Therapy in Type 2 Diabetes: Implications for Stratified Medicine. <i>PLoS ONE</i> , 2014, 9, e111235.	2.5	12
74	Exocrine pancreatic dysfunction is common in hepatocyte nuclear factor 1 β -associated renal disease and can be symptomatic. <i>CKJ: Clinical Kidney Journal</i> , 2018, 11, 453-458.	2.9	10
75	What to do with diabetes therapies when HbA1c lowering is inadequate: add, switch, or continue? A MASTERMIND study. <i>BMC Medicine</i> , 2019, 17, 79.	5.5	10
76	Identifying routine clinical predictors of non-adherence to second-line therapies in type 2 diabetes: A retrospective cohort analysis in a large primary care database. <i>Diabetes, Obesity and Metabolism</i> , 2020, 22, 59-65.	4.4	10
77	Prior event rate ratio adjustment produced estimates consistent with randomized trial: a diabetes case study. <i>Journal of Clinical Epidemiology</i> , 2020, 122, 78-86.	5.0	10
78	Patterns of postmeal insulin secretion in individuals with sulfonylurea-treated KCNJ11 neonatal diabetes show predominance of non-KATP-channel pathways. <i>BMJ Open Diabetes Research and Care</i> , 2019, 7, e000721.	2.8	9
79	Genetic influences on the association between fetal growth and susceptibility to type 2 diabetes. <i>Journal of Developmental Origins of Health and Disease</i> , 2010, 1, 96-105.	1.4	8
80	Strategies to identify individuals with monogenic diabetes: results of an economic evaluation. <i>BMJ Open</i> , 2020, 10, e034716.	1.9	8
81	Glycated haemoglobin measurements from UK Biobank are different to those in linked primary care records: implications for combining biochemistry data from research studies and routine clinical care. <i>International Journal of Epidemiology</i> , 2022, 51, 1022-1024.	1.9	7
82	Investigating the causal effect of maternal vitamin B12 and folate levels on offspring birthweight. <i>International Journal of Epidemiology</i> , 2021, 50, 179-189.	1.9	6
83	The challenge of diagnosing type 1 diabetes in older adults. <i>Diabetic Medicine</i> , 2020, 37, 1781-1782.	2.3	5
84	Choice of HbA1c threshold for identifying individuals at high risk of type 2 diabetes and implications for diabetes prevention programmes: a cohort study. <i>BMC Medicine</i> , 2021, 19, 184.	5.5	5
85	HbA1c performs well in monitoring glucose control even in populations with high prevalence of medical conditions that may alter its reliability: the OPTIMAL observational multicenter study. <i>BMJ Open Diabetes Research and Care</i> , 2021, 9, e002350.	2.8	5
86	Genetic risk scores in adult-onset type 1 diabetes – Authors' reply. <i>Lancet Diabetes and Endocrinology</i> , 2018, 6, 169.	11.4	4
87	Identifying clinical criteria to predict Type 1 diabetes, as defined by absolute insulin deficiency: a systematic review protocol. <i>BMJ Open</i> , 2012, 2, e002309.	1.9	3
88	Clusters provide a better holistic view of type 2 diabetes than simple clinical features – Authors' reply. <i>Lancet Diabetes and Endocrinology</i> , 2019, 7, 669.	11.4	3
89	Maternal thyroid function in pregnant women with a breech presentation in late gestation. <i>Clinical Endocrinology</i> , 2016, 85, 320-322.	2.4	2
90	Association of birthweight and penetrance of diabetes in individuals with HNF4A-MODY: a cohort study. <i>Diabetologia</i> , 2022, 65, 246-249.	6.3	2

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91	Birth weight and diazoxide unresponsiveness strongly predict the likelihood of congenital hyperinsulinism due to a mutation in ABCC8 or KCNJ11. <i>European Journal of Endocrinology</i> , 2021, 185, 813-818.	3.7	2
92	Continuous glucose monitoring demonstrates low risk of clinically significant hypoglycemia associated with sulphonylurea treatment in an African type 2 diabetes population: results from the OPTIMAL observational multicenter study. <i>BMJ Open Diabetes Research and Care</i> , 2022, 10, e002714.	2.8	2
93	Response to Comment on: Besser et al. Lessons From the Mixed-Meal Tolerance Test: Use of 90-Minute and Fasting C-Peptide in Pediatric Diabetes. <i>Diabetes Care</i> 2013;36:195-201. <i>Diabetes Care</i> , 2013, 36, e222-e222.	8.6	0