

Beverley M Shields

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8993261/publications.pdf>

Version: 2024-02-01

93
papers

6,932
citations

61857

43
h-index

64668

79
g-index

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. | 2.9 | 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. | 9.4 | 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. | 5.5 | 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. | 5.5 | 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. | 3.8 | 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. | 2.9 | 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. | 4.3 | 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. | 2.9 | 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. | 4.3 | 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. | 3.8 | 224 |
| 11 | Recognition and Management of Individuals With Hyperglycemia Because of a Heterozygous Glucokinase Mutation. <i>Diabetes Care</i> , 2015, 38, 1383-1392. | 4.3 | 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. | 4.3 | 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. | 2.9 | 164 |
| 14 | Identification of Novel Genetic Loci Associated with Thyroid Peroxidase Antibodies and Clinical Thyroid Disease. <i>PLoS Genetics</i> , 2014, 10, e1004123. | 1.5 | 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. | 4.3 | 132 |
| 16 | Urinary C-Peptide Creatinine Ratio Is a Practical Outpatient Tool for Identifying Hepatocyte Nuclear Factor 1 β /Hepatocyte Nuclear Factor 4 β Maturity-Onset Diabetes of the Young From Long-Duration Type 1 Diabetes. <i>Diabetes Care</i> , 2011, 34, 286-291. | 4.3 | 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. | 4.3 | 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. | 4.3 | 104 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 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. | 1.1 | 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. | 2.9 | 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. | 2.9 | 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. | 1.8 | 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. | 1.2 | 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. | 4.3 | 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. | 0.8 | 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. | 4.3 | 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. | 4.3 | 79 |
| 28 | Evidence of genetic regulation of fetal longitudinal growth. <i>Early Human Development</i> , 2005, 81, 823-831. | 0.8 | 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. | 1.1 | 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. | 0.8 | 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. | 4.3 | 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. | 4.3 | 67 |
| 33 | The Exeter Family Study of Childhood Health (EFSOCH): study protocol and methodology. <i>Paediatric and Perinatal Epidemiology</i> , 2006, 20, 172-179. | 0.8 | 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. | 2.9 | 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. | 1.8 | 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. | 2.2 | 64 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 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. | 2.2 | 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. | 4.3 | 62 |
| 39 | Lessons From the Mixed-Meal Tolerance Test. <i>Diabetes Care</i> , 2013, 36, 195-201. | 4.3 | 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. | 1.5 | 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. | 0.7 | 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. | 1.9 | 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. | 4.3 | 52 |
| 44 | Random nonfasting C-peptide: bringing robust assessment of endogenous insulin secretion to the clinic. <i>Diabetic Medicine</i> , 2016, 33, 1554-1558. | 1.2 | 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. | 0.8 | 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. | 1.2 | 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. | 1.8 | 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. | 1.1 | 39 |
| 49 | Fetal Genotype and Maternal Glucose Have Independent and Additive Effects on Birth Weight. <i>Diabetes</i> , 2018, 67, 1024-1029. | 0.3 | 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. | 4.3 | 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. | 1.2 | 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. | 0.7 | 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. | 1.2 | 32 |
| 54 | Mutations in the Glucokinase Gene of the Fetus Result in Reduced Placental Weight. <i>Diabetes Care</i> , 2008, 31, 753-757. | 4.3 | 30 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 55 | Phosphodiesterase 8B Gene Polymorphism Is Associated with Subclinical Hypothyroidism in Pregnancy. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2009, 94, 4608-4612. | 1.8 | 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. | 2.9 | 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. | 1.2 | 29 |
| 58 | Iodine deficiency amongst pregnant women in South-West England. <i>Clinical Endocrinology</i> , 2017, 86, 451-455. | 1.2 | 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. | 2.9 | 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. | 0.8 | 28 |
| 61 | Prematurity and Genetic Testing for Neonatal Diabetes. <i>Pediatrics</i> , 2016, 138, . | 1.0 | 27 |
| 62 | Should Studies of Diabetes Treatment Stratification Correct for Baseline HbA1c?. <i>PLoS ONE</i> , 2016, 11, e0152428. | 1.1 | 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. | 0.9 | 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. | 0.7 | 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. | 4.3 | 19 |
| 66 | Paternal insulin resistance and its association with umbilical cord insulin concentrations. <i>Diabetologia</i> , 2006, 49, 2668-2674. | 2.9 | 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. | 0.8 | 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. | 4.3 | 17 |
| 69 | Histological validation of a type 1 diabetes clinical diagnostic model for classification of diabetes. <i>Diabetic Medicine</i> , 2020, 37, 2160-2168. | 1.2 | 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. | 1.5 | 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. | 0.8 | 12 |
| 72 | Towards a systematic nationwide screening strategy for MODY. <i>Diabetologia</i> , 2017, 60, 609-612. | 2.9 | 12 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 73 | Identifying Good Responders to Glucose Lowering Therapy in Type 2 Diabetes: Implications for Stratified Medicine. <i>PLoS ONE</i> , 2014, 9, e111235. | 1.1 | 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. | 1.4 | 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. | 2.3 | 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. | 2.2 | 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. | 2.4 | 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. | 1.2 | 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. | 0.7 | 8 |
| 80 | Strategies to identify individuals with monogenic diabetes: results of an economic evaluation. <i>BMJ Open</i> , 2020, 10, e034716. | 0.8 | 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. | 0.9 | 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. | 0.9 | 6 |
| 83 | The challenge of diagnosing type 1 diabetes in older adults. <i>Diabetic Medicine</i> , 2020, 37, 1781-1782. | 1.2 | 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. | 2.3 | 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. | 1.2 | 5 |
| 86 | Genetic risk scores in adult-onset type 1 diabetes – Authors' reply. <i>Lancet Diabetes and Endocrinology</i> , 2018, 6, 169. | 5.5 | 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. | 0.8 | 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. | 5.5 | 3 |
| 89 | Maternal thyroid function in pregnant women with a breech presentation in late gestation. <i>Clinical Endocrinology</i> , 2016, 85, 320-322. | 1.2 | 2 |
| 90 | Association of birthweight and penetrance of diabetes in individuals with HNF4A-MODY: a cohort study. <i>Diabetologia</i> , 2022, 65, 246-249. | 2.9 | 2 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 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. | 1.9 | 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. | 1.2 | 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. | 4.3 | 0 |