# Matthew Sperrin

List of Publications by Year
in descending order



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|---|---|---|---|
| 110 papers | 5,128 citations | 147801 31 h-index | 106344 65 g-index |
| 113 all docs | 113 docs citations | 113 times ranked | 11609 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Application of a city wide digital population database for outcome analysis in diabetes: SARS-CoV-2, diabetes and hospital admission rate month by month in Greater Manchester, UK. Cardiovascular Endocrinology and Metabolism, 2022, 11, e0257. | 1.1 | 1 |
| 2 | SARS-CoV-2, diabetes and mortality: month by month variation in mortality rate from June 2020 to June 2021. Cardiovascular Endocrinology and Metabolism, 2022, 11, e0258. | 1.1 | 1 |
| 3 | Evaluation of Prognostic and Predictive Models in the Oncology Clinic. Clinical Oncology, 2022, 34, 102-113. | 1.4 | 9 |
| 4 | Link Between Obesity and Early-Onset Colorectal Cancers (EOCRC): Importance of Accounting for BMI Trajectories in Early Life. American Journal of Gastroenterology, 2022, 117, 812-812. | 0.4 | 2 |
| 5 | The Risk Factors Potentially Influencing Hospital Admission in People with Diabetes, Following SARS-CoV-2 Infection: A Population-Level Analysis. Diabetes Therapy, 2022, 13, 1007. | 2.5 | 10 |
| 6 | Body mass index and cancer mortality in patients with incident type 2 diabetes: A populationâ€based study of adults in England. Diabetes, Obesity and Metabolism, 2022, 24, 620-630. | 4.4 | 3 |
| 7 | Mortality in People with TypeÂ2 Diabetes Following SARS-CoV-2 Infection: A Population Level Analysis of Potential Risk Factors. Diabetes Therapy, 2022, 13, 1037-1051. | 2.5 | 16 |
| 8 | Informative presence and observation in routine health data: A review of methodology for clinical risk prediction. Journal of the American Medical Informatics Association: JAMIA, 2021, 28, 155-166. | 4.4 | 20 |
| 9 | Penalization and shrinkage methods produced unreliable clinical prediction models especially when sample size was small. Journal of Clinical Epidemiology, 2021, 132, 88-96. | 5.0 | 55 |
| 10 | Clinical prediction models to predict the risk of multiple binary outcomes: a comparison of approaches. Statistics in Medicine, 2021, 40, 498-517. | 1.6 | 16 |
| 11 | Adaptive Symptom Monitoring Using Hidden Markov Models â€“ An Application in Ecological Momentary Assessment. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 1770-1780. | 6.3 | 8 |
| 12 | Infection-related complications after common infection in association with new antibiotic prescribing in primary care: retrospective cohort study using linked electronic health records. BMJ Open, 2021, 11, e041218. | 1.9 | 5 |
| 13 | Continual updating and monitoring of clinical prediction models: time for dynamic prediction systems?. Diagnostic and Prognostic Research, 2021, 5, 1. | 1.8 | 54 |
| 14 | Invited Commentary: Treatment Drop-inâ€”Making the Case for Causal Prediction. American Journal of Epidemiology, 2021, 190, 2015-2018. | 3.4 | 4 |
| 15 | A scoping review of causal methods enabling predictions under hypothetical interventions. Diagnostic and Prognostic Research, 2021, 5, 3. | 1.8 | 24 |
| 16 | Authors' reply to Sabour and Ghajari â€œClinical prediction models to predict the risk of multiple binary outcomes: Methodological issuesâ€• Statistics in Medicine, 2021, 40, 1861-1862. | 1.6 | 0 |
| 17 | Immune infiltrate diversity confers a good prognosis in follicular lymphoma. Cancer Immunology, Immunotherapy, 2021, 70, 3573-3585. | 4.2 | 8 |
| 18 | Estimating the causal effect of BMI on mortality risk in people with heart disease, diabetes and cancer using Mendelian randomization. International Journal of Cardiology, 2021, 330, 214-220. | 1.7 | 9 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Missing data was handled inconsistently in UK prediction models: a review of method used. Journal of Clinical Epidemiology, 2021, 140, 149-158. | 5.0 | 21 |
| 20 | Consistency of ranking was evaluated as new measure for prediction model stability: longitudinal cohort study. Journal of Clinical Epidemiology, 2021, 138, 168-177. | 5.0 | 0 |
| 21 | Development and internal validation of a clinical prediction model for 90-day mortality after lung resection: the RESECT-90 score. Interactive Cardiovascular and Thoracic Surgery, 2021, 33, 921-927. | 1.1 | 1 |
| 22 | Developing clinical prediction models when adhering to minimum sample size recommendations: The importance of quantifying bootstrap variability in tuning parameters and predictive performance. Statistical Methods in Medical Research, 2021, 30, 2545-2561. | 1.5 | 10 |
| 23 | Examining the impact of data quality and completeness of electronic health records on predictions of patientsâ€™ risks of cardiovascular disease. International Journal of Medical Informatics, 2020, 133, 104033. | 3.3 | 17 |
| 24 | Longitudinal trajectories of severe wheeze exacerbations from infancy to school age and their association with earlyâ€life risk factors and late asthma outcomes. Clinical and Experimental Allergy, 2020, 50, 315-324. | 2.9 | 26 |
| 25 | Prediction models for covid-19 outcomes. BMJ, The, 2020, 371, m3777. | 6.0 | 32 |
| 26 | Three-dimensional (3D) magnetic resonance volume assessment and loco-regional failure in anal cancer: early evaluation case-control study. BMC Cancer, 2020, 20, 1165. | 2.6 | 1 |
| 27 | Toward a framework for the design, implementation, and reporting of methodology scoping reviews. Journal of Clinical Epidemiology, 2020, 127, 191-197. | 5.0 | 16 |
| 28 | Impact of sample size on the stability of risk scores from clinical prediction models: a case study in cardiovascular disease. Diagnostic and Prognostic Research, 2020, 4, 14. | 1.8 | 14 |
| 29 | Consistency of variety of machine learning and statistical models in predicting clinical risks of individual patients: longitudinal cohort study using cardiovascular disease as exemplar. BMJ, The, 2020, 371, m3919. | 6.0 | 59 |
| 30 | Missing data should be handled differently for prediction than for description or causal explanation. Journal of Clinical Epidemiology, 2020, 125, 183-187. | 5.0 | 54 |
| 31 | Young adulthood body mass index, adult weight gain and breast cancer risk: the PROCAS Study (United) Tj ETQq1 1 0.784314 rgBT /Ov | 6.4 | 21 |
| 32 | Multiple imputation with missing indicators as proxies for unmeasured variables: simulation study. BMC Medical Research Methodology, 2020, 20, 185. | 3.1 | 20 |
| 33 | Temporal improvements in loco-regional failure and survival in patients with anal cancer treated with chemo-radiotherapy: treatment cohort study (1990â€“2014). British Journal of Cancer, 2020, 122, 749-758. | 6.4 | 7 |
| 34 | Prediction models for diagnosis and prognosis of covid-19: systematic review and critical appraisal. BMJ, The, 2020, 369, m1328. | 6.0 | 2,134 |
| 35 | Prediction models for diagnosis and prognosis in Covid-19. BMJ, The, 2020, 369, m1464. | 6.0 | 63 |
| 36 | Performance of prediction models for COVID-19: the Caudine Forks of the external validation. European Respiratory Journal, 2020, 56, 2003728. | 6.7 | 9 |

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|---|---|---|---|
| 37 | Chronic obstructive pulmonary disease exacerbation episodes derived from electronic health record data validated using clinical trial data. Pharmacoepidemiology and Drug Safety, 2019, 28, 1369-1376. | 1.9 | 9 |
| 38 | Do population-level risk prediction models that use routinely collected health data reliably predict individual risks?. Scientific Reports, 2019, 9, 11222. | 3.3 | 19 |
| 39 | Same-Day Discharge After Elective Percutaneous Coronary Intervention. JACC: Cardiovascular Interventions, 2019, 12, 1479-1494. | 2.9 | 33 |
| 40 | Explicit causal reasoning is needed to prevent prognostic models being victims of their own success. Journal of the American Medical Informatics Association: JAMIA, 2019, 26, 1675-1676. | 4.4 | 17 |
| 41 | Interaction between co-morbidities and cancer survival. European Journal of Epidemiology, 2019, 34, 1103-1105. | 5.7 | 7 |
| 42 | Temporal trends in relative survival following percutaneous coronary intervention. BMJ Open, 2019, 9, e024627. | 1.9 | 8 |
| 43 | Engaging parents using web-based feedback on child growth to reduce childhood obesity: a mixed methods study. BMC Public Health, 2019, 19, 300. | 2.9 | 7 |
| 44 | Digital biomarkers from geolocation data in bipolar disorder and schizophrenia: a systematic review. Journal of the American Medical Informatics Association: JAMIA, 2019, 26, 1412-1420. | 4.4 | 45 |
| 45 | Our data, our society, our health: A vision for inclusive and transparent health data science in the United Kingdom and beyond. Learning Health Systems, 2019, 3, e10191. | 2.0 | 42 |
| 46 | Post-2000 growth trajectories in children aged 4â€“11â€¯years: A review and quantitative analysis. Preventive Medicine Reports, 2019, 14, 100834. | 1.8 | 13 |
| 47 | Relationship between prescribing of antibiotics and other medicines in primary care: a cross-sectional study. British Journal of General Practice, 2019, 69, e42-e51. | 1.4 | 19 |
| 48 | Body mass index trajectories across adulthood and smoking in relation to prostate cancer risks: the NIH-AARP Diet and Health Study. International Journal of Epidemiology, 2019, 48, 464-473. | 1.9 | 26 |
| 49 | Novel United Kingdom prognostic model for 30-day mortality following transcatheter aortic valve implantation. Heart, 2018, 104, 1109-1116. | 2.9 | 31 |
| 50 | A multipleâ€model generalisation of updating clinical prediction models. Statistics in Medicine, 2018, 37, 1343-1358. | 1.6 | 12 |
| 51 | Operator volume is not associated with mortality following percutaneous coronary intervention: insights from the British Cardiovascular Intervention Society registry. European Heart Journal, 2018, 39, 1623-1634. | 2.2 | 24 |
| 52 | A review of statistical updating methods for clinical prediction models. Statistical Methods in Medical Research, 2018, 27, 185-197. | 1.5 | 91 |
| 53 | Multi-method laboratory user evaluation of an actionable clinical performance information system: Implications for usability and patient safety. Journal of Biomedical Informatics, 2018, 77, 62-80. | 4.3 | 23 |
| 54 | Multivariable and Bayesian Network Analysis of Outcome Predictors in Acute Aneurysmal Subarachnoid Hemorrhage: Review of a Pure Surgical Series in the Post-International Subarachnoid Aneurysm Trial Era. Operative Neurosurgery, 2018, 14, 603-610. | 0.8 | 11 |

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|---|---|---|---|
| 55 | Study investigating the generalisability of a COPD trial based in primary care (Salford Lung Study) and the presence of a Hawthorne effect. BMJ Open Respiratory Research, 2018, 5, e000339. | 3.0 | 12 |
| 56 | Pre-procedural risk models for patients undergoing transcatheter aortic valve implantation. Journal of Thoracic Disease, 2018, 10, S3560-S3567. | 1.4 | 5 |
| 57 | Dynamic models to predict health outcomes: current status and methodological challenges. Diagnostic and Prognostic Research, 2018, 2, 23. | 1.8 | 61 |
| 58 | Adiposity-Mortality Relationships in Type 2 Diabetes, Coronary Heart Disease, and Cancer Subgroups in the UK Biobank, and Their Modification by Smoking. Diabetes Care, 2018, 41, 1878-1886. | 8.6 | 30 |
| 59 | Antibiotic prescribing patterns in general medical practices in England: Does area matter?. Health and Place, 2018, 53, 10-16. | 3.3 | 22 |
| 60 | Do frailty measures improve prediction of mortality and morbidity following transcatheter aortic valve implantation? An analysis of the UK TAVI registry. BMJ Open, 2018, 8, e022543. | 1.9 | 42 |
| 61 | Framework to construct and interpret latent class trajectory modelling. BMJ Open, 2018, 8, e020683. | 1.9 | 149 |
| 62 | Association of comorbid burden with clinical outcomes after transcatheter aortic valve implantation. Heart, 2018, 104, 2058-2066. | 2.9 | 12 |
| 63 | Body-mass index and metastatic melanoma outcomes. Lancet Oncology, The, 2018, 19, e225. | 10.7 | 4 |
| 64 | Using marginal structural models to adjust for treatment dropâ€in when developing clinical prediction models. Statistics in Medicine, 2018, 37, 4142-4154. | 1.6 | 34 |
| 65 | Inadequacy of existing clinical prediction models for predicting mortality after transcatheter aortic valve implantation. American Heart Journal, 2017, 184, 97-105. | 2.7 | 42 |
| 66 | Increased Radial Access Is Not Associated With Worse Femoral Outcomes for Percutaneous Coronary Intervention in the United Kingdom. Circulation: Cardiovascular Interventions, 2017, 10, e004279. | 3.9 | 33 |
| 67 | Troponin-only Manchester Acute Coronary Syndromes (T-MACS) decision aid: single biomarker re-derivation and external validation in three cohorts. Emergency Medicine Journal, 2017, 34, 349-356. | 1.0 | 84 |
| 68 | Dealing with under-reported variables: An information theoretic solution. International Journal of Approximate Reasoning, 2017, 85, 159-177. | 3.3 | 12 |
| 69 | Do patients have worse outcomes in heart failure than in cancer? A primary careâ€based cohort study with 10â€year followâ€up in Scotland. European Journal of Heart Failure, 2017, 19, 1095-1104. | 7.1 | 213 |
| 70 | A protocol for a systematic review to identify allergenic tree nuts and the molecules responsible for their allergenic properties. Food and Chemical Toxicology, 2017, 106, 411-416. | 3.6 | 6 |
| 71 | Metformin, Diabetes, and Survival among U.S. Veterans with Colorectal Cancerâ€"Letter. Cancer Epidemiology Biomarkers and Prevention, 2017, 26, 976-976. | 2.5 | 0 |
| 72 | Obesity paradox and mortality in adults with and without incident type 2 diabetes: a matched population-level cohort study. BMJ Open Diabetes Research and Care, 2017, 5, e000369. | 2.8 | 21 |

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|---|---|---|---|
| 73 | Effect of weekend admission on process of care and clinical outcomes for the management of acute coronary syndromes: a retrospective analysis of three UK centres. BMJ Open, 2017, 7, e016866. | 1.9 | 14 |
| 74 | Relative Survival After Transcatheter Aortic Valve Implantation: How Do Patients Undergoing Transcatheter Aortic Valve Implantation Fare Relative to the General Population?. Journal of the American Heart Association, 2017, 6, . | 3.7 | 15 |
| 75 | North-South disparities in English mortality1965â€“2015: longitudinal population study. Journal of Epidemiology and Community Health, 2017, 71, 928-936. | 3.7 | 54 |
| 76 | The Authors Respond. Epidemiology, 2017, 28, e46. | 2.7 | 2 |
| 77 | Nodal stage migration and prognosis in anal cancer: a systematic review, meta-regression, and simulation study. Lancet Oncology, The, 2017, 18, 1348-1359. | 10.7 | 51 |
| 78 | A comparison of methods for estimating the temporal change in a continuous variable: Example of HbA1c in patients with diabetes. Pharmacoepidemiology and Drug Safety, 2017, 26, 1474-1482. | 1.9 | 5 |
| 79 | The Authors Respond. Epidemiology, 2017, 28, e17-e18. | 2.7 | 0 |
| 80 | Clinical prediction in defined populations: a simulation study investigating when and how to aggregate existing models. BMC Medical Research Methodology, 2017, 17, 1. | 3.1 | 130 |
| 81 | Asthma phenotypes in childhood. Expert Review of Clinical Immunology, 2017, 13, 705-713. | 3.0 | 30 |
| 82 | Cloudy with a Chance of Pain: Engagement and Subsequent Attrition of Daily Data Entry in a Smartphone Pilot Study Tracking Weather, Disease Severity, and Physical Activity in Patients With Rheumatoid Arthritis. JMIR MHealth and UHealth, 2017, 5, e37. | 3.7 | 60 |
| 83 | Informative Observation in Health Data: Association of Past Level and Trend with Time to Next Measurement. Studies in Health Technology and Informatics, 2017, 235, 261-265. | 0.3 | 7 |
| 84 | Tilting the lasso by knowledge-based post-processing. BMC Bioinformatics, 2016, 17, 344. | 2.6 | 6 |
| 85 | Predicting heart failure decompensation using cardiac implantable electronic devices: a review of practices and challenges. European Journal of Heart Failure, 2016, 18, 977-986. | 7.1 | 47 |
| 86 | A contemporary risk model for predicting 30-day mortality following percutaneous coronary intervention in England and Wales. International Journal of Cardiology, 2016, 210, 125-132. | 1.7 | 47 |
| 87 | The Obesity Paradox and Mortality After Colorectal Cancer. JAMA Oncology, 2016, 2, 1127. | 7.1 | 18 |
| 88 | Is There a Relationship of Operator and Center Volume With Access Siteâ€“Related Outcomes?. Circulation: Cardiovascular Interventions, 2016, 9, e003333. | 3.9 | 23 |
| 89 | Interface design recommendations for computerised clinical audit and feedback: Hybrid usability evidence from a research-led system. International Journal of Medical Informatics, 2016, 94, 191-206. | 3.3 | 26 |
| 90 | Identification of Asthma Subtypes Using Clustering Methodologies. Pulmonary Therapy, 2016, 2, 19-41. | 2.2 | 54 |

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|---|---|---|---|
| 91 | Predictive Models for Arteriovenous Fistula Maturation. Journal of Vascular Access, 2016, 17, 229-232. | 0.9 | 13 |
| 92 | Understanding clinical prediction models as â€˜innovationsâ€™: a mixed methods study in UK family practice. BMC Medical Informatics and Decision Making, 2016, 16, 106. | 3.0 | 14 |
| 93 | Body mass index relates weight to height differently in women and older adults: serial cross-sectional surveys in England (1992â€“2011). Journal of Public Health, 2016, 38, 607-613. | 1.8 | 52 |
| 94 | Predictors of Outcome in Traumatic Brain Injury: New Insight Using Receiver Operating Curve Indices and Bayesian Network Analysis. PLoS ONE, 2016, 11, e0158762. | 2.5 | 35 |
| 95 | Who Self-Weighs and What Do They Gain From It? A Retrospective Comparison Between Smart Scale Users and the General Population in England. Journal of Medical Internet Research, 2016, 18, e17. | 4.3 | 16 |
| 96 | Impact of age on the prognostic value of left ventricular function in relation to procedural outcomes following percutaneous coronary intervention: Insights from the <scp>B</scp>ritish cardiovascular intervention society. Catheterization and Cardiovascular Interventions, 2015, 85, 944-951. | 1.7 | 9 |
| 97 | Experimental designs for detecting synergy and antagonism between two drugs in a preâ€clinical study. Pharmaceutical Statistics, 2015, 14, 216-225. | 1.3 | 4 |
| 98 | Blood Transfusion After Percutaneous Coronary Intervention and Risk of Subsequent Adverse Outcomes. JACC: Cardiovascular Interventions, 2015, 8, 436-446. | 2.9 | 58 |
| 99 | How much is too much? Threshold dose distributions for 5 food allergens. Journal of Allergy and Clinical Immunology, 2015, 135, 964-971. | 2.9 | 156 |
| 100 | Primary Care Medication Safety Surveillance with Integrated Primary and Secondary Care Electronic Health Records: A Cross-Sectional Study. Drug Safety, 2015, 38, 671-682. | 3.2 | 31 |
| 101 | Calculating when elective abdominal aortic aneurysm repair improves survival for individual patients: development of the Aneurysm Repair Decision Aid and economic evaluation. Health Technology Assessment, 2015, 19, 1-154. | 2.8 | 17 |
| 102 | Slowing down of adult body mass index trend increases in England: a latent class analysis of cross-sectional surveys (1992â€“2010). International Journal of Obesity, 2014, 38, 818-824. | 3.4 | 66 |
| 103 | Making audit actionable: an example algorithm for blood pressure management in chronic kidney disease. AMIA ... Annual Symposium proceedings, 2014, 2014, 343-52. | 0.2 | 3 |
| 104 | Modelling time to event with observations made at arbitrary times. Statistics in Medicine, 2013, 32, 99-109. | 1.6 | 9 |
| 105 | Risk-reducing surgery increases survival in BRCA1/2 mutation carriers unaffected at time of family referral. Breast Cancer Research and Treatment, 2013, 142, 611-618. | 2.5 | 58 |
| 106 | Investigation of the robustness of two models for assessing synergy in preâ€clinical drug combination studies. Pharmaceutical Statistics, 2013, 12, 300-308. | 1.3 | 6 |
| 107 | Correcting for rater bias in scores on a continuous scale, with application to breast density. Statistics in Medicine, 2013, 32, 4666-4678. | 1.6 | 10 |
| 108 | Recovering Independent Associations in Genetics: A Comparison. Journal of Computational Biology, 2012, 19, 978-987. | 1.6 | 1 |

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|---|---|---|---|
| 109 | Cytochrome P1B1 (CYP1B1) polymorphisms and ovarian cancer risk: A meta-analysis. Toxicology, 2012, 302, 157-162. | 4.2 | 9 |
| 110 | Direct effects testing: A twoâ€stage procedure to test for effect size and variable importance for correlated binary predictors and a binary response. Statistics in Medicine, 2010, 29, 2544-2556. | 1.6 | 3 |