

Iain E Buchan

List of Publications by Citations

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Version: 2024-04-28

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

247
papers

12,497
citations

56
h-index

106
g-index

278
ext. papers

15,416
ext. citations

6.5
avg, IF

6.52
L-index

#	Paper	IF	Citations
247	Anti-TNF antibody therapy in rheumatoid arthritis and the risk of serious infections and malignancies: systematic review and meta-analysis of rare harmful effects in randomized controlled trials. <i>JAMA - Journal of the American Medical Association</i> , 2006 , 295, 2275-85	27.4	1768
246	Adherence to antiretroviral therapy in sub-Saharan Africa and North America: a meta-analysis. <i>JAMA - Journal of the American Medical Association</i> , 2006 , 296, 679-90	27.4	655
245	Adherence to HAART: a systematic review of developed and developing nation patient-reported barriers and facilitators. <i>PLoS Medicine</i> , 2006 , 3, e438	11.6	532
244	Regression based quasi-experimental approach when randomisation is not an option: interrupted time series analysis. <i>BMJ, The</i> , 2015 , 350, h2750	5.9	435
243	Risk stratification of patients admitted to hospital with covid-19 using the ISARIC WHO Clinical Characterisation Protocol: development and validation of the 4C Mortality Score. <i>BMJ, The</i> , 2020 , 370, m3339	5.9	378
242	Smoking and age-related macular degeneration: a review of association. <i>Eye</i> , 2005 , 19, 935-44	4.4	374
241	Body fat distribution and risk of coronary heart disease in men and women in the European Prospective Investigation Into Cancer and Nutrition in Norfolk cohort: a population-based prospective study. <i>Circulation</i> , 2007 , 116, 2933-43	16.7	352
240	Beyond atopy: multiple patterns of sensitization in relation to asthma in a birth cohort study. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2010 , 181, 1200-6	10.2	309
239	Long-term Glycemic Variability and Risk of Adverse Outcomes: A Systematic Review and Meta-analysis. <i>Diabetes Care</i> , 2015 , 38, 2354-69	14.6	275
238	Effect of breast feeding on risk of coeliac disease: a systematic review and meta-analysis of observational studies. <i>Archives of Disease in Childhood</i> , 2006 , 91, 39-43	2.2	246
237	Incident cancer burden attributable to excess body mass index in 30 European countries. <i>International Journal of Cancer</i> , 2010 , 126, 692-702	7.5	185
236	Why linked data is not enough for scientists. <i>Future Generation Computer Systems</i> , 2013 , 29, 599-611	7.5	160
235	Diabetes and cancer (1): evaluating the temporal relationship between type 2 diabetes and cancer incidence. <i>Diabetologia</i> , 2012 , 55, 1607-18	10.3	151
234	Developmental profiles of eczema, wheeze, and rhinitis: two population-based birth cohort studies. <i>PLoS Medicine</i> , 2014 , 11, e1001748	11.6	140
233	Trajectories of lung function during childhood. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2014 , 189, 1101-9	10.2	123
232	Do patients have worse outcomes in heart failure than in cancer? A primary care-based cohort study with 10-year follow-up in Scotland. <i>European Journal of Heart Failure</i> , 2017 , 19, 1095-1104	12.3	119
231	Contralateral mastectomy improves survival in women with BRCA1/2-associated breast cancer. <i>Breast Cancer Research and Treatment</i> , 2013 , 140, 135-42	4.4	119

230	The feasibility and validity of ambulatory self-report of psychotic symptoms using a smartphone software application. <i>BMC Psychiatry</i> , 2012 , 12, 172	4.2	118
229	Pioglitazone and bladder cancer risk: a multipopulation pooled, cumulative exposure analysis. <i>Diabetologia</i> , 2015 , 58, 493-504	10.3	114
228	Lung function trajectories from pre-school age to adulthood and their associations with early life factors: a retrospective analysis of three population-based birth cohort studies. <i>Lancet Respiratory Medicine</i> , 2018 , 6, 526-534	35.1	113
227	Evolution pathways of IgE responses to grass and mite allergens throughout childhood. <i>Journal of Allergy and Clinical Immunology</i> , 2015 , 136, 1645-1652.e8	11.5	99
226	Contributions of treatment and lifestyle to declining CVD mortality: why have CVD mortality rates declined so much since the 1960s?. <i>Heart</i> , 2013 , 99, 159-62	5.1	99
225	Universal weekly testing as the UK COVID-19 lockdown exit strategy. <i>Lancet, The</i> , 2020 , 395, 1420-1421	4.0	98
224	Diabetes and cancer (2): evaluating the impact of diabetes on mortality in patients with cancer. <i>Diabetologia</i> , 2012 , 55, 1619-32	10.3	97
223	A comparison of two delivery modalities of a mobile phone-based assessment for serious mental illness: native smartphone application vs text-messaging only implementations. <i>Journal of Medical Internet Research</i> , 2013 , 15, e60	7.6	95
222	The Role of Social Network Technologies in Online Health Promotion: A Narrative Review of Theoretical and Empirical Factors Influencing Intervention Effectiveness. <i>Journal of Medical Internet Research</i> , 2015 , 17, e141	7.6	91
221	Dynamic trends in cardiac surgery: why the logistic EuroSCORE is no longer suitable for contemporary cardiac surgery and implications for future risk models. <i>European Journal of Cardio-thoracic Surgery</i> , 2013 , 43, 1146-52	3	90
220	Actissist: Proof-of-Concept Trial of a Theory-Driven Digital Intervention for Psychosis. <i>Schizophrenia Bulletin</i> , 2018 , 44, 1070-1080	1.3	85
219	Assessing individual breast cancer risk within the U.K. National Health Service Breast Screening Program: a new paradigm for cancer prevention. <i>Cancer Prevention Research</i> , 2012 , 5, 943-51	3.2	79
218	PB.11: Identifying women at high risk of developing breast cancer: implications of adjusting for inter-observer variability in visual analogue scale assessment of percentage breast density. <i>Breast Cancer Research</i> , 2013 , 15,	8.3	78
217	How does EuroSCORE II perform in UK cardiac surgery; an analysis of 23 740 patients from the Society for Cardiothoracic Surgery in Great Britain and Ireland National Database. <i>Heart</i> , 2012 , 98, 1568-72	5.1	76
216	Put to the test: use of rapid testing technologies for covid-19. <i>BMJ, The</i> , 2021 , 372, n208	5.9	76
215	Access and non-access site bleeding after percutaneous coronary intervention and risk of subsequent mortality and major adverse cardiovascular events: systematic review and meta-analysis. <i>Circulation: Cardiovascular Interventions</i> , 2015 , 8,	6	75
214	Clinical prediction in defined populations: a simulation study investigating when and how to aggregate existing models. <i>BMC Medical Research Methodology</i> , 2017 , 17, 1	4.7	73
213	Active assistance technology for health-related behavior change: an interdisciplinary review. <i>Journal of Medical Internet Research</i> , 2012 , 14, e80	7.6	72

212	Clarifying the evidence on SARS-CoV-2 antigen rapid tests in public health responses to COVID-19. <i>Lancet, The</i> , 2021 , 397, 1425-1427	40	72
211	Life Expectancy and Cause-Specific Mortality in Type 2 Diabetes: A Population-Based Cohort Study Quantifying Relationships in Ethnic Subgroups. <i>Diabetes Care</i> , 2017 , 40, 338-345	14.6	71
210	Development and validation of the ISARIC 4C Deterioration model for adults hospitalised with COVID-19: a prospective cohort study. <i>Lancet Respiratory Medicine, the</i> , 2021 , 9, 349-359	35.1	70
209	A review of the international Burn Injury Database (iBID) for England and Wales: descriptive analysis of burn injuries 2003-2011. <i>BMJ Open</i> , 2015 , 5, e006184	3	69
208	Collider Bias Is Only a Partial Explanation for the Obesity Paradox. <i>Epidemiology</i> , 2016 , 27, 525-30	3.1	69
207	Trends in mortality from 1965 to 2008 across the English north-south divide: comparative observational study. <i>BMJ, The</i> , 2011 , 342, d508	5.9	68
206	Trustworthy reuse of health data: a transnational perspective. <i>International Journal of Medical Informatics</i> , 2013 , 82, 1-9	5.3	67
205	The comorbidity burden of type 2 diabetes mellitus: patterns, clusters and predictions from a large English primary care cohort. <i>BMC Medicine</i> , 2019 , 17, 145	11.4	65
204	Research Objects: Towards Exchange and Reuse of Digital Knowledge. <i>Nature Precedings</i> , 2010 ,		65
203	Cardiorespiratory fitness and body mass index of 9-11-year-old English children: a serial cross-sectional study from 1998 to 2004. <i>International Journal of Obesity</i> , 2007 , 31, 1172-8	5.5	64
202	Prolonged PR interval, first-degree heart block and adverse cardiovascular outcomes: a systematic review and meta-analysis. <i>Heart</i> , 2016 , 102, 672-80	5.1	63
201	Baseline bleeding risk and arterial access site practice in relation to procedural outcomes after percutaneous coronary intervention. <i>Journal of the American College of Cardiology</i> , 2014 , 64, 1554-64	15.1	63
200	Investigating the relationship between quality of primary care and premature mortality in England: a spatial whole-population study. <i>BMJ, The</i> , 2015 , 350, h904	5.9	63
199	Joint modeling of parentally reported and physician-confirmed wheeze identifies children with persistent troublesome wheezing. <i>Journal of Allergy and Clinical Immunology</i> , 2013 , 132, 575-583.e12	11.5	60
198	Troponin-only Manchester Acute Coronary Syndromes (T-MACS) decision aid: single biomarker re-derivation and external validation in three cohorts. <i>Emergency Medicine Journal</i> , 2017 , 34, 349-356	1.5	59
197	The sperm deformity index: a reliable predictor of the outcome of oocyte fertilization in vitro. <i>Fertility and Sterility</i> , 1996 , 66, 1000-8	4.8	59
196	Electronic health records should support clinical research. <i>Journal of Medical Internet Research</i> , 2005 , 7, e4	7.6	59
195	Slowing down of adult body mass index trend increases in England: a latent class analysis of cross-sectional surveys (1992-2010). <i>International Journal of Obesity</i> , 2014 , 38, 818-24	5.5	57

194	Outcome-sensitive multiple imputation: a simulation study. <i>BMC Medical Research Methodology</i> , 2017 , 17, 2	4.7	57
193	Adoption of clinical decision support in multimorbidity: a systematic review. <i>JMIR Medical Informatics</i> , 2015 , 3, e4	3.6	57
192	Demographics of dogs, cats, and rabbits attending veterinary practices in Great Britain as recorded in their electronic health records. <i>BMC Veterinary Research</i> , 2017 , 13, 218	2.7	56
191	Glucose, blood pressure and cholesterol levels and their relationships to clinical outcomes in type 2 diabetes: a retrospective cohort study. <i>Diabetologia</i> , 2015 , 58, 505-18	10.3	56
190	Body mass index in young children and allergic disease: gender differences in a longitudinal study. <i>Clinical and Experimental Allergy</i> , 2011 , 41, 78-85	4.1	56
189	Comparing data mining methods with logistic regression in childhood obesity prediction. <i>Information Systems Frontiers</i> , 2009 , 11, 449-460	4	56
188	Caudal epidurals: the whoosh test. <i>Anaesthesia</i> , 1998 , 53, 305-7	6.6	56
187	Changes in Arterial Access Site and Association With Mortality in the United Kingdom: Observations From a National Percutaneous Coronary Intervention Database. <i>Circulation</i> , 2016 , 133, 1655-67	16.7	55
186	A review of statistical updating methods for clinical prediction models. <i>Statistical Methods in Medical Research</i> , 2018 , 27, 185-197	2.3	54
185	Framework to construct and interpret latent class trajectory modelling. <i>BMJ Open</i> , 2018 , 8, e020683	3	52
184	Impact of left ventricular function in relation to procedural outcomes following percutaneous coronary intervention: insights from the British Cardiovascular Intervention Society. <i>European Heart Journal</i> , 2014 , 35, 3004-12a	9.5	52
183	Challenges in obesity epidemiology. <i>Obesity Reviews</i> , 2007 , 8 Suppl 1, 1-11	10.6	52
182	Stroke following percutaneous coronary intervention: type-specific incidence, outcomes and determinants seen by the British Cardiovascular Intervention Society 2007-12. <i>European Heart Journal</i> , 2015 , 36, 1618-28	9.5	50
181	The high prevalence of unrecognized anaemia in patients with diabetes and chronic kidney disease: a population-based study. <i>Diabetic Medicine</i> , 2008 , 25, 564-9	3.5	48
180	Alterations in prescribing by general practitioner fundholders: an observational study. <i>BMJ: British Medical Journal</i> , 1995 , 311, 1347-50		48
179	Breast cancer risk feedback to women in the UK NHS breast screening population. <i>British Journal of Cancer</i> , 2016 , 114, 1045-52	8.7	48
178	Disaggregating asthma: Big investigation versus big data. <i>Journal of Allergy and Clinical Immunology</i> , 2017 , 139, 400-407	11.5	46
177	Big health data: the need to earn public trust. <i>BMJ, The</i> , 2016 , 354, i3636	5.9	45

176	Risk-reducing surgery increases survival in BRCA1/2 mutation carriers unaffected at time of family referral. <i>Breast Cancer Research and Treatment</i> , 2013 , 142, 611-8	4.4	45
175	Arterial access site utilization in cardiogenic shock in the United Kingdom: is radial access feasible?. <i>American Heart Journal</i> , 2014 , 167, 900-8.e1	4.9	45
174	Causal inference and counterfactual prediction in machine learning for actionable healthcare. <i>Nature Machine Intelligence</i> , 2020 , 2, 369-375	22.5	44
173	National-scale clinical information exchange in the United Kingdom: lessons for the United States. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2011 , 18, 91-8	8.6	43
172	Cardiovascular Risk and Risk Factor Management in Type 2 Diabetes Mellitus. <i>Circulation</i> , 2019 , 139, 2742-2753	26.7	42
171	Mortality risk prediction in burn injury: Comparison of logistic regression with machine learning approaches. <i>Burns</i> , 2015 , 41, 925-34	2.3	42
170	The Study Team for Early Life Asthma Research (STELAR) consortium 'Asthma e-lab': team science bringing data, methods and investigators together. <i>Thorax</i> , 2015 , 70, 799-801	7.3	42
169	Challenges in interpreting allergen microarrays in relation to clinical symptoms: a machine learning approach. <i>Pediatric Allergy and Immunology</i> , 2014 , 25, 71-9	4.2	42
168	Ethnicity and Outcomes from COVID-19: The ISARIC CCP-UK Prospective Observational Cohort Study of Hospitalised Patients. <i>SSRN Electronic Journal</i> ,	1	40
167	Dissociation of body-temperature and melatonin secretion circadian rhythms in patients with chronic fatigue syndrome. <i>Clinical Physiology</i> , 1996 , 16, 327-37		39
166	Challenges in identifying asthma subgroups using unsupervised statistical learning techniques. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2013 , 188, 1303-12	10.2	38
165	North-South disparities in English mortality 1965-2015: longitudinal population study. <i>Journal of Epidemiology and Community Health</i> , 2017 , 71, 928-936	5.1	38
164	Assessing life-space mobility for a more holistic view on wellbeing in geriatric research and clinical practice. <i>Aging Clinical and Experimental Research</i> , 2019 , 31, 439-445	4.8	37
163	Combining Health Data Uses to Ignite Health System Learning. <i>Methods of Information in Medicine</i> , 2015 , 54, 479-87	1.5	37
162	Prescribing errors during hospital inpatient care: factors influencing identification by pharmacists. <i>International Journal of Clinical Pharmacy</i> , 2009 , 31, 682-8		37
161	Relationship Between Anemia and Mortality Outcomes in a National Acute Coronary Syndrome Cohort: Insights From the UK Myocardial Ischemia National Audit Project Registry. <i>Journal of the American Heart Association</i> , 2016 , 5,	6	36
160	Predicting mortality from change-over-time in the Charlson Comorbidity Index: A retrospective cohort study in a data-intensive UK health system. <i>Medicine (United States)</i> , 2016 , 95, e4973	1.8	36
159	Body mass index has risen more steeply in tall than in short 3-year olds: serial cross-sectional surveys 1988-2003. <i>International Journal of Obesity</i> , 2007 , 31, 23-9	5.5	36

158	Prevalence and Impact of Co-morbidity Burden as Defined by the Charlson Co-morbidity Index on 30-Day and 1- and 5-Year Outcomes After Coronary Stent Implantation (from the Nobori-2 Study). <i>American Journal of Cardiology</i> , 2015 , 116, 364-71	3	35
157	Predicting heart failure decompensation using cardiac implantable electronic devices: a review of practices and challenges. <i>European Journal of Heart Failure</i> , 2016 , 18, 977-86	12.3	35
156	Cardiovascular screening to reduce the burden from cardiovascular disease: microsimulation study to quantify policy options. <i>BMJ, The</i> , 2016 , 353, i2793	5.9	34
155	Relationship between quality of care and choice of clinical computing system: retrospective analysis of family practice performance under the UK's quality and outcomes framework. <i>BMJ Open</i> , 2013 , 3,	3	34
154	Communicating risks at the population level: application of population impact numbers. <i>BMJ, The</i> , 2003 , 327, 1162-5	5.9	34
153	Body mass index relates weight to height differently in women and older adults: serial cross-sectional surveys in England (1992-2011). <i>Journal of Public Health</i> , 2016 , 38, 607-613	3.5	33
152	Performance of the EuroSCORE models in emergency cardiac surgery. <i>Circulation: Cardiovascular Quality and Outcomes</i> , 2013 , 6, 178-85	5.8	32
151	Impact of specialist care on clinical outcomes for medical emergencies. <i>Clinical Medicine</i> , 2006 , 6, 286-93	1.9	32
150	Predicting phenotypes of asthma and eczema with machine learning. <i>BMC Medical Genomics</i> , 2014 , 7 Suppl 1, S7	3.7	31
149	Why Linked Data is Not Enough for Scientists 2010 ,		31
148	A contemporary risk model for predicting 30-day mortality following percutaneous coronary intervention in England and Wales. <i>International Journal of Cardiology</i> , 2016 , 210, 125-32	3.2	31
147	Inadequacy of existing clinical prediction models for predicting mortality after transcatheter aortic valve implantation. <i>American Heart Journal</i> , 2017 , 184, 97-105	4.9	30
146	Influenza, influenza-like symptoms and their association with cardiovascular risks: a systematic review and meta-analysis of observational studies. <i>International Journal of Clinical Practice</i> , 2015 , 69, 928-37	2.9	29
145	Clinical code set engineering for reusing EHR data for research: A review. <i>Journal of Biomedical Informatics</i> , 2017 , 70, 1-13	10.2	29
144	Pre-Implantation Balloon Aortic Valvuloplasty and Clinical Outcomes Following Transcatheter Aortic Valve Implantation: A Propensity Score Analysis of the UK Registry. <i>Journal of the American Heart Association</i> , 2017 , 6,	6	28
143	Rapid roll out of SARS-CoV-2 antibody testing-a concern. <i>BMJ, The</i> , 2020 , 369, m2420	5.9	28
142	Using mobile technology to deliver a cognitive behaviour therapy-informed intervention in early psychosis (Actissist): study protocol for a randomised controlled trial. <i>Trials</i> , 2015 , 16, 404	2.8	28
141	Performance of the Innova SARS-CoV-2 antigen rapid lateral flow test in the Liverpool asymptomatic testing pilot: population based cohort study. <i>BMJ, The</i> , 2021 , 374, n1637	5.9	28

140	How does vulnerability to COVID-19 vary between communities in England? Developing a Small Area Vulnerability Index (SAVI). <i>Journal of Epidemiology and Community Health</i> , 2021 , 75, 729-734	5.1	28
139	Geographical epidemiology of health and overall deprivation in England, its changes and persistence from 2004 to 2015: a longitudinal spatial population study. <i>Journal of Epidemiology and Community Health</i> , 2018 , 72, 140-147	5.1	26
138	Dynamic prediction modeling approaches for cardiac surgery. <i>Circulation: Cardiovascular Quality and Outcomes</i> , 2013 , 6, 649-58	5.8	26
137	Inequalities in COVID19 mortality related to ethnicity and socioeconomic deprivation		26
136	Effect of delaying treatment of first-episode psychosis on symptoms and social outcomes: a longitudinal analysis and modelling study. <i>Lancet Psychiatry</i> , 2020 , 7, 602-610	23.3	25
135	Prevention of breast cancer in the context of a national breast screening programme. <i>Journal of Internal Medicine</i> , 2012 , 271, 321-30	10.8	24
134	. <i>IEEE Software</i> , 2009 , 26, 80-87	1.5	24
133	Novel United Kingdom prognostic model for 30-day mortality following transcatheter aortic valve implantation. <i>Heart</i> , 2018 , 104, 1109-1116	5.1	23
132	Using marginal structural models to adjust for treatment drop-in when developing clinical prediction models. <i>Statistics in Medicine</i> , 2018 , 37, 4142-4154	2.3	23
131	Breast cancer risk in young women in the national breast screening programme: implications for applying NICE guidelines for additional screening and chemoprevention. <i>Cancer Prevention Research</i> , 2014 , 7, 993-1001	3.2	23
130	Local clinical guidelines: description and evaluation of a participative method for their development and implementation. <i>Family Practice</i> , 1996 , 13, 28-34	1.9	23
129	Estimated reductions in cardiovascular and gastric cancer disease burden through salt policies in England: an IMPACTNCD microsimulation study. <i>BMJ Open</i> , 2017 , 7, e013791	3	22
128	Do frailty measures improve prediction of mortality and morbidity following transcatheter aortic valve implantation? An analysis of the UK TAVI registry. <i>BMJ Open</i> , 2018 , 8, e022543	3	22
127	Primary Care Medication Safety Surveillance with Integrated Primary and Secondary Care Electronic Health Records: A Cross-Sectional Study. <i>Drug Safety</i> , 2015 , 38, 671-82	5.1	21
126	Asthma phenotypes in childhood. <i>Expert Review of Clinical Immunology</i> , 2017 , 13, 705-713	5.1	21
125	Ovarian cancer among 8,005 women from a breast cancer family history clinic: no increased risk of invasive ovarian cancer in families testing negative for BRCA1 and BRCA2. <i>Journal of Medical Genetics</i> , 2013 , 50, 368-72	5.8	21
124	Data-driven identification of endophenotypes of Alzheimer's disease progression: implications for clinical trials and therapeutic interventions. <i>Alzheimer's Research and Therapy</i> , 2018 , 10, 4	9	20
123	National Registry Data and Record Linkage to Inform Postmarket Surveillance of Prosthetic Aortic Valve Models Over 15 Years. <i>JAMA Internal Medicine</i> , 2017 , 177, 79-86	11.5	20

122	Knowledge engineering for health: a new discipline required to bridge the "ICT gap" between research and healthcare. <i>Human Mutation</i> , 2012 , 33, 797-802	4.7	20
121	Atopic Dermatitis and Respiratory Allergy: What is the Link. <i>Current Dermatology Reports</i> , 2015 , 4, 221-227	5	17
120	A model of British in-hospital mortality among burns patients. <i>Burns</i> , 2014 , 40, 1316-21	2.3	17
119	Age-, sex- and ethnicity-related differences in body weight, blood pressure, HbA and lipid levels at the diagnosis of type 2 diabetes relative to people without diabetes. <i>Diabetologia</i> , 2020 , 63, 1542-1553	10.3	17
118	Estrogen and COVID-19 symptoms: associations in women from the COVID Symptom Study		17
117	Interface design recommendations for computerised clinical audit and feedback: Hybrid usability evidence from a research-led system. <i>International Journal of Medical Informatics</i> , 2016 , 94, 191-206	5.3	17
116	Disparities in mortality among 25-44-year-olds in England: a longitudinal, population-based study. <i>Lancet Public Health</i> , 2018 , 3, e567-e575	22.4	17
115	Presentation of laboratory test results in patient portals: influence of interface design on risk interpretation and visual search behaviour. <i>BMC Medical Informatics and Decision Making</i> , 2018 , 18, 11	3.6	16
114	Elements of a computational infrastructure for social simulation. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2010 , 368, 3797-812	3	16
113	Risk Factor Control and Cardiovascular Event Risk in People With Type 2 Diabetes in Primary and Secondary Prevention Settings. <i>Circulation</i> , 2020 , 142, 1925-1936	16.7	16
112	User engagement by user-centred design in e-Health. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2010 , 368, 4209-24	3	15
111	Is There a Relationship of Operator and Center Volume With Access Site-Related Outcomes? An Analysis From the British Cardiovascular Intervention Society. <i>Circulation: Cardiovascular Interventions</i> , 2016 , 9, e003333	6	15
110	Obesity paradox and mortality in adults with and without incident type 2 diabetes: a matched population-level cohort study. <i>BMJ Open Diabetes Research and Care</i> , 2017 , 5, e000369	4.5	14
109	Why have sustained increases in obesity and type 2 diabetes not offset declines in cardiovascular mortality over recent decades in Western countries?. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2012 , 22, 307-11	4.5	14
108	Calculating when elective abdominal aortic aneurysm repair improves survival for individual patients: development of the Aneurysm Repair Decision Aid and economic evaluation. <i>Health Technology Assessment</i> , 2015 , 19, 1-154, v-vi	4.4	14
107	An external validation of models to predict the onset of chronic kidney disease using population-based electronic health records from Salford, UK. <i>BMC Medicine</i> , 2016 , 14, 104	11.4	14
106	Multi-method laboratory user evaluation of an actionable clinical performance information system: Implications for usability and patient safety. <i>Journal of Biomedical Informatics</i> , 2018 , 77, 62-80	10.2	14
105	Estrogen and COVID-19 symptoms: Associations in women from the COVID Symptom Study. <i>PLoS ONE</i> , 2021 , 16, e0257051	3.7	14

104	The influence of patient portals on users' decision making is insufficiently investigated: A systematic methodological review. <i>International Journal of Medical Informatics</i> , 2018 , 111, 100-111	5.3	12
103	Increased rate of phenocopies in all age groups in BRCA1/BRCA2 mutation kindred, but increased prospective breast cancer risk is confined to BRCA2 mutation carriers. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2013 , 22, 2269-76	4	12
102	Lack association between schizophrenia and the CYP2D6 gene polymorphisms. <i>American Journal of Medical Genetics Part A</i> , 1996 , 67, 236-7		12
101	A multiple-model generalisation of updating clinical prediction models. <i>Statistics in Medicine</i> , 2018 , 37, 1343-1358	2.3	11
100	Prioritising between direct observation of therapy and case-finding interventions for tuberculosis: use of population impact measures. <i>BMC Medicine</i> , 2006 , 4, 35	11.4	11
99	Recalibrating SARS-CoV-2 Antigen Rapid Lateral Flow Test Relative Sensitivity from Validation Studies to Absolute Sensitivity for Indicating Individuals Shedding Transmissible Virus. <i>Clinical Epidemiology</i> , 2021 , 13, 935-940	5.9	11
98	Evaluating social and spatial inequalities of large scale rapid lateral flow SARS-CoV-2 antigen testing in COVID-19 management: An observational study of Liverpool, UK (November 2020 to January 2021). <i>Lancet Regional Health - Europe, The</i> , 2021 , 6, 100107		11
97	Relative Survival After Transcatheter Aortic Valve Implantation: How Do Patients Undergoing Transcatheter Aortic Valve Implantation Fare Relative to the General Population?. <i>Journal of the American Heart Association</i> , 2017 , 6,	6	10
96	Population Impact Analysis: a framework for assessing the population impact of a risk or intervention. <i>Journal of Public Health</i> , 2012 , 34, 83-9	3.5	10
95	Who Self-Weighs and What Do They Gain From It? A Retrospective Comparison Between Smart Scale Users and the General Population in England. <i>Journal of Medical Internet Research</i> , 2016 , 18, e17	7.6	10
94	Using imaging to combat a pandemic: rationale for developing the UK National COVID-19 Chest Imaging Database. <i>European Respiratory Journal</i> , 2020 , 56,	13.6	9
93	Modelling time to event with observations made at arbitrary times. <i>Statistics in Medicine</i> , 2013 , 32, 99-109	3	9
92	Surgeon length of service and risk-adjusted outcomes: linked observational analysis of the UK National Adult Cardiac Surgery Audit Registry and General Medical Council Register. <i>Journal of the Royal Society of Medicine</i> , 2014 , 107, 355-64	2.3	9
91	Measuring children and monitoring obesity: surveys of English Primary Care Trusts 2004-06. <i>Journal of Public Health</i> , 2006 , 28, 330-6	3.5	9
90	Enhanced lateral flow testing strategies in care homes are associated with poor adherence and were insufficient to prevent COVID-19 outbreaks: results from a mixed methods implementation study. <i>Age and Ageing</i> , 2021 , 50, 1868-1875	3	9
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88	Mining characteristics of epidemiological studies from Medline: a case study in obesity. <i>Journal of Biomedical Semantics</i> , 2014 , 5, 22	2.2	8
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