Karel G M Moons

List of Publications by Year
in descending order

257 papers	45,045 citations	4388 86 h-index	2280 200 g-index
264 all docs	264 docs citations	264 times ranked	52496 citing authors

#	Article	IF	Citations
1	Transparent Reporting of a multivariable prediction model for Individual Prognosis Or Diagnosis (TRIPOD): Explanation and Elaboration. Annals of Internal Medicine, 2015, 162, W1-W73.	3.9	3,068
2	Prediction models for diagnosis and prognosis of covid-19: systematic review and critical appraisal. BMJ, The, 2020, 369, m1328.	6.0	2,134
3	Review: A gentle introduction to imputation of missing values. Journal of Clinical Epidemiology, 2006, 59, 1087-1091.	5.0	1,900
4	Transparent reporting of a multivariable prediction model for individual prognosis or diagnosis (TRIPOD): the TRIPOD statement. BMJ, The, 2015, 350, g7594-g7594.	6.0	1,842
5	Transparent Reporting of a multivariable prediction model for Individual Prognosis Or Diagnosis (TRIPOD): The TRIPOD Statement. Annals of Internal Medicine, 2015, 162, 55-63.	3.9	1,807
6	Transparent reporting of a multivariable prediction model for individual prognosis or diagnosis (TRIPOD): the TRIPOD Statement. BMC Medicine, 2015, 13, 1.	5.5	1,273
7	Prognosis and prognostic research: validating a prognostic model. BMJ: British Medical Journal, 2009, 338, b605-b605.	2.3	1,090
8	PROBAST: A Tool to Assess the Risk of Bias and Applicability of Prediction Model Studies. Annals of Internal Medicine, 2019, 170, 51.	3.9	1,066
9	Critical Appraisal and Data Extraction for Systematic Reviews of Prediction Modelling Studies: The CHARMS Checklist. PLoS Medicine, 2014, 11, e1001744.	8.4	1,036
10	Prognosis Research Strategy (PROGRESS) 3: Prognostic Model Research. PLoS Medicine, 2013, 10, e1001381.	8.4	1,006
11	Prognosis and prognostic research: what, why, and how?. BMJ: British Medical Journal, 2009, 338, b375-b375.	2.3	952
12	Prognosis and prognostic research: Developing a prognostic model. BMJ: British Medical Journal, 2009, 338, b604-b604.	2.3	906
13	Risk prediction models: II. External validation, model updating, and impact assessment. Heart, 2012, 98, 691-698.	2.9	845
14	Calculating the sample size required for developing a clinical prediction model. BMJ, The, 2020, 368, m441.	6.0	804
15	Using the outcome for imputation of missing predictor values was preferred. Journal of Clinical Epidemiology, 2006, 59, 1092-1101.	5.0	775
16	Prognosis and prognostic research: application and impact of prognostic models in clinical practice. BMJ: British Medical Journal, 2009, 338, b606-b606.	2.3	714
17	PROBAST: A Tool to Assess Risk of Bias and Applicability of Prediction Model Studies: Explanation and Elaboration. Annals of Internal Medicine, 2019, 170, W1.	3.9	696
18	Risk prediction models: I. Development, internal validation, and assessing the incremental value of a new (bio)marker. Heart, 2012, 98, 683-690.	2.9	666

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19	Common Carotid Intima-Media Thickness Measurements in Cardiovascular Risk Prediction. JAMA - Journal of the American Medical Association, 2012, 308, 796.	7.4	622
20	Prognosis Research Strategy (PROGRESS) 2: Prognostic Factor Research. PLoS Medicine, 2013, 10, e1001380.	8.4	561
21	Prediction models for cardiovascular disease risk in the general population: systematic review. BMJ, The, 2016, 353, i2416.	6.0	543
22	Imputation of missing values is superior to complete case analysis and the missing-indicator method in multivariable diagnostic research: A clinical example. Journal of Clinical Epidemiology, 2006, 59, 1102-1109.	5.0	491
23	External validation of multivariable prediction models: a systematic review of methodological conduct and reporting. BMC Medical Research Methodology, 2014, 14, 40.	3.1	483
24	Minimum sample size for developing a multivariable prediction model: PART II â€•binary and timeâ€toâ€event outcomes. Statistics in Medicine, 2019, 38, 1276-1296.	1.6	480
25	Reporting of artificial intelligence prediction models. Lancet, The, 2019, 393, 1577-1579.	13.7	459
26	Missing covariate data in medical research: To impute is better than toÂignore. Journal of Clinical Epidemiology, 2010, 63, 721-727.	5.0	458
27	Internal and external validation of predictive models: A simulation study of bias and precision in small samples. Journal of Clinical Epidemiology, 2003, 56, 441-447.	5.0	452
28	Prognosis research strategy (PROGRESS) 1: A framework for researching clinical outcomes. BMJ, The, 2013, 346, e5595-e5595.	6.0	450
29	Expansion of the prognostic assessment of patients with chronic obstructive pulmonary disease: the updated BODE index and the ADO index. Lancet, The, 2009, 374, 704-711.	13.7	436
30	Transparent Reporting of a Multivariable Prediction Model for Individual Prognosis or Diagnosis (TRIPOD). Circulation, 2015, 131, 211-219.	1.6	432
31	Reporting and Methods in Clinical Prediction Research: A Systematic Review. PLoS Medicine, 2012, 9, e1001221.	8.4	423
32	A new framework to enhance the interpretation of external validation studies of clinical prediction models. Journal of Clinical Epidemiology, 2015, 68, 279-289.	5.0	395
33	A guide to systematic review and meta-analysis of prognostic factor studies. BMJ: British Medical Journal, 2019, 364, k4597.	2.3	389
34	Prognosis research strategy (PROGRESS) 4: Stratified medicine research. BMJ, The, 2013, 346, e5793-e5793.	6.0	367
35	Prognosis for patients with amyotrophic lateral sclerosis: development and validation of a personalised prediction model. Lancet Neurology, The, 2018, 17, 423-433.	10.2	342
36	Improvements in risk stratification for the occurrence of cardiovascular disease by imaging subclinical atherosclerosis: a systematic review. Heart, 2012, 98, 177-184.	2.9	327

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37	External validation of clinical prediction models using big datasets from e-health records or IPD meta-analysis: opportunities and challenges. BMJ, The, 2016, 353, i3140.	6.0	327
38	A guide to systematic review and meta-analysis of prediction model performance. BMJ, The, 2017, 356, i6460.	6.0	315
39	Protocol for development of a reporting guideline (TRIPOD-AI) and risk of bias tool (PROBAST-AI) for diagnostic and prognostic prediction model studies based on artificial intelligence. BMJ Open, 2021, 11, e048008.	1.9	313
40	Dealing With Missing Outcome Data in Randomized Trials and Observational Studies. American Journal of Epidemiology, 2012, 175, 210-217.	3.4	309
41	Transparent Reporting of a multivariable prediction model for Individual Prognosis Or Diagnosis (TRIPOD). Annals of Internal Medicine, 2015, 162, 735-736.	3.9	302
42	Transparent Reporting of a Multivariable Prediction Model for Individual Prognosis or Diagnosis (TRIPOD): The TRIPOD Statement. European Urology, 2015, 67, 1142-1151.	1.9	299
43	Sample size for binary logistic prediction models: Beyond events per variable criteria. Statistical Methods in Medical Research, 2019, 28, 2455-2474.	1.5	296
44	Predictive Accuracy of a Polygenic Risk Score–Enhanced Prediction Model vs a Clinical Risk Score for Coronary Artery Disease. JAMA - Journal of the American Medical Association, 2020, 323, 636.	7.4	290
45	Missing covariate data in clinical research: when and when not to use the missing-indicator method for analysis. Cmaj, 2012, 184, 1265-1269.	2.0	283
46	Transparent Reporting of a Multivariable Prediction Model for Individual Prognosis Or Diagnosis (TRIPOD): the TRIPOD statement. Journal of Clinical Epidemiology, 2015, 68, 112-121.	5.0	283
47	No rationale for 1 variable per 10 events criterion for binary logistic regression analysis. BMC Medical Research Methodology, 2016, 16, 163.	3.1	281
48	Diagnostic accuracy of conventional or age adjusted D-dimer cut-off values in older patients with suspected venous thromboembolism: systematic review and meta-analysis. BMJ, The, 2013, 346, f2492-f2492.	6.0	243
49	Beyond Diagnostic Accuracy: The Clinical Utility of Diagnostic Tests. Clinical Chemistry, 2012, 58, 1636-1643.	3.2	241
50	Get real in individual participant data (IPD) meta-analysis: a review of the methodology. Research Synthesis Methods, 2015, 6, 293-309.	8.7	241
51	Prediction models for risk of developing type 2 diabetes: systematic literature search and independent external validation study. BMJ, The, 2012, 345, e5900-e5900.	6.0	237
52	GetReal in network meta-analysis: a review of the methodology. Research Synthesis Methods, 2016, 7, 236-263.	8.7	237
53	Search Filters for Finding Prognostic and Diagnostic Prediction Studies in Medline to Enhance Systematic Reviews. PLoS ONE, 2012, 7, e32844.	2.5	235
54	Development and validation of a prediction model with missing predictor data: a practical approach. Journal of Clinical Epidemiology, 2010, 63, 205-214.	5.0	222

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55	Machine learning and artificial intelligence research for patient benefit: 20 critical questions on transparency, replicability, ethics, and effectiveness. BMJ, The, 2020, 368, l6927.	6.0	219
56	Separate and combined associations of obesity and metabolic health with coronary heart disease: a pan-European case-cohort analysis. European Heart Journal, 2018, 39, 397-406.	2.2	209
57	Glycated Hemoglobin Measurement and Prediction of Cardiovascular Disease. JAMA - Journal of the American Medical Association, 2014, 311, 1225.	7.4	179
58	Limitations of Sensitivity, Specificity, Likelihood Ratio, and BayesÊ¼ Theorem in Assessing Diagnostic Probabilities. Epidemiology, 1997, 8, 12-17.	2.7	162
59	Individual Participant Data Meta-Analysis for a Binary Outcome: One-Stage or Two-Stage?. PLoS ONE, 2013, 8, e60650.	2.5	157
60	A framework for developing, implementing, and evaluating clinical prediction models in an individual participant data metaâ€analysis. Statistics in Medicine, 2013, 32, 3158-3180.	1.6	153
61	Guidelines and quality criteria for artificial intelligence-based prediction models in healthcare: a scoping review. Npj Digital Medicine, 2022, 5, 2.	10.9	147
62	Unpredictable bias when using the missing indicator method or complete case analysis for missing confounder values: an empirical example. Journal of Clinical Epidemiology, 2010, 63, 728-736.	5.0	146
63	Minimum sample size for developing a multivariable prediction model: Part IÂâ€"ÂContinuous outcomes. Statistics in Medicine, 2019, 38, 1262-1275.	1.6	143
64	Prognostic models in obstetrics: available, but far from applicable. American Journal of Obstetrics and Gynecology, 2016, 214, 79-90.e36.	1.3	138
65	Imputation of systematically missing predictors in an individual participant data metaâ€analysis: a generalized approach using MICE. Statistics in Medicine, 2015, 34, 1841-1863.	1.6	135
66	Detecting smallâ€study effects and funnel plot asymmetry in metaâ€analysis of survival data: A comparison of new and existing tests. Research Synthesis Methods, 2018, 9, 41-50.	8.7	135
67	Ruling out deep venous thrombosis in primary care. Thrombosis and Haemostasis, 2005, 94, 200-205.	3.4	129
68	Performance of the Framingham risk models and pooled cohort equations for predicting 10-year risk of cardiovascular disease: a systematic review and meta-analysis. BMC Medicine, 2019, 17, 109.	5.5	126
69	Safe exclusion of pulmonary embolism using the Wells rule and qualitative D-dimer testing in primary care: prospective cohort study. BMJ, The, 2012, 345, e6564-e6564.	6.0	121
70	Multiple imputation of missing repeated outcome measurements did not add to linear mixed-effects models. Journal of Clinical Epidemiology, 2012, 65, 686-695.	5.0	121
71	The Wells Rule Does Not Adequately Rule Out Deep Venous Thrombosis in Primary Care Patients. Annals of Internal Medicine, 2005, 143, 100.	3.9	120
72	Test Research versus Diagnostic Research. Clinical Chemistry, 2004, 50, 473-476.	3.2	118

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73	Does Measurement of Preoperative Anxiety Have Added Value for Predicting Postoperative Nausea and Vomiting?. Anesthesia and Analgesia, 2005, 100, 1525-1532.	2.2	116
74	Risk of bias in studies on prediction models developed using supervised machine learning techniques: systematic review. BMJ, The, 2021, 375, n2281.	6.0	116
75	Quantifying the Added Value of a Diagnostic Test or Marker. Clinical Chemistry, 2012, 58, 1408-1417.	3.2	115
76	A framework for meta-analysis of prediction model studies with binary and time-to-event outcomes. Statistical Methods in Medical Research, 2019, 28, 2768-2786.	1.5	115
77	Prediction Models for Prolonged Intensive Care Unit Stay After Cardiac Surgery. Circulation, 2010, 122, 682-689.	1.6	114
78	Dealing with Missing Predictor Values When Applying Clinical Prediction Models. Clinical Chemistry, 2009, 55, 994-1001.	3.2	112
79	Improving the Transparency of Prognosis Research: The Role of Reporting, Data Sharing, Registration, and Protocols. PLoS Medicine, 2014, 11, e1001671.	8.4	112
80	Evaluating the impact of prediction models: lessons learned, challenges, and recommendations. Diagnostic and Prognostic Research, 2018, 2, 11.	1.8	112
81	New Guideline for the Reporting of Studies Developing, Validating, or Updating a Multivariable Clinical Prediction Model. Advances in Anatomic Pathology, 2015, 22, 303-305.	4.3	106
82	Advantages of the nested case-control design in diagnostic research. BMC Medical Research Methodology, 2008, 8, 48.	3.1	104
83	A closed testing procedure to select an appropriate method for updating prediction models. Statistics in Medicine, 2017, 36, 4529-4539.	1.6	102
84	Accuracy of administrative data for surveillance of healthcare-associated infections: a systematic review. BMJ Open, 2015, 5, e008424.	1.9	100
85	Clinical prediction models for bronchopulmonary dysplasia: a systematic review and external validation study. BMC Pediatrics, 2013, 13, 207.	1.7	99
86	Poor reporting of multivariable prediction model studies: towards a targeted implementation strategy of the TRIPOD statement. BMC Medicine, 2018, 16, 120.	5.5	99
87	Equalization of four cardiovascular risk algorithms after systematic recalibration: individual-participant meta-analysis of 86 prospective studies. European Heart Journal, 2019, 40, 621-631.	2.2	97
88	Individual Participant Data (IPD) Meta-analyses of Diagnostic and Prognostic Modeling Studies: Guidance on Their Use. PLoS Medicine, 2015, 12, e1001886.	8.4	93
89	A simple method to adjust clinical prediction models to local circumstances. Canadian Journal of Anaesthesia, 2009, 56, 194-201.	1.6	92
90	Comparing risk prediction models. BMJ, The, 2012, 344, e3186-e3186.	6.0	90

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91	Individual participant data metaâ€analysis to examine interactions between treatment effect and participantâ€level covariates: Statistical recommendations for conduct and planning. Statistics in Medicine, 2020, 39, 2115-2137.	1.6	90
92	Fast-Track Anesthesia and Cardiac Surgery: A Retrospective Cohort Study of 7989 Patients. Anesthesia and Analgesia, 2009, 108, 727-733.	2.2	83
93	Childhood asthma prediction models: a systematic review. Lancet Respiratory Medicine,the, 2015, 3, 973-984.	10.7	79
94	Large-scale international validation of the ADO index in subjects with COPD: an individual subject data analysis of 10 cohorts. BMJ Open, 2012, 2, e002152.	1.9	78
95	External validation of prognostic models to predict risk of gestational diabetes mellitus in one Dutch cohort: prospective multicentre cohort study. BMJ, The, 2016, 354, i4338.	6.0	77
96	Redundancy of Single Diagnostic Test Evaluation. Epidemiology, 1999, 10, 276-281.	2.7	76
97	Effect of Fibrinogen Concentrate on Intraoperative Blood Loss Among Patients With Intraoperative Bleeding During High-Risk Cardiac Surgery. JAMA - Journal of the American Medical Association, 2017, 317, 738.	7.4	76
98	Use of Multiple Imputation Method to Improve Estimation of Missing Baseline Serum Creatinine in Acute Kidney Injury Research. Clinical Journal of the American Society of Nephrology: CJASN, 2013, 8, 10-18.	4.5	75
99	Using Evidence to Combat Overdiagnosis and Overtreatment: Evaluating Treatments, Tests, and Disease Definitions in the Time of Too Much. PLoS Medicine, 2014, 11, e1001655.	8.4	75
100	Developing and validating risk prediction models in an individual participant data meta-analysis. BMC Medical Research Methodology, 2014, 14, 3.	3.1	75
101	Diet Quality Scores and Prediction of All-Cause, Cardiovascular and Cancer Mortality in a Pan-European Cohort Study. PLoS ONE, 2016, 11, e0159025.	2.5	75
102	Diagnostic accuracy of rapid antigen tests in asymptomatic and presymptomatic close contacts of individuals with confirmed SARS-CoV-2 infection: cross sectional study. BMJ, The, 2021, 374, n1676.	6.0	73
103	Verification problems in diagnostic accuracy studies: consequences and solutions. BMJ: British Medical Journal, 2011, 343, d4770-d4770.	2.3	72
104	Meta-analysis of prediction model performance across multiple studies: Which scale helps ensure between-study normality for the C-statistic and calibration measures?. Statistical Methods in Medical Research, 2018, 27, 3505-3522.	1.5	70
105	Sample size considerations and predictive performance of multinomial logistic prediction models. Statistics in Medicine, 2019, 38, 1601-1619.	1.6	70
106	When should we remain blind and when should our eyes remain open in diagnostic studies?. Journal of Clinical Epidemiology, 2002, 55, 633-636.	5.0	69
107	Validation of two age dependent D-dimer cut-off values for exclusion of deep vein thrombosis in suspected elderly patients in primary care: retrospective, cross sectional, diagnostic analysis. BMJ, The, 2012, 344, e2985-e2985.	6.0	69
108	Uniformity in measuring adherence to reporting guidelines: the example of TRIPOD for assessing completeness of reporting of prediction model studies. BMJ Open, 2019, 9, e025611.	1.9	68

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109	An overview of methods for network meta-analysis using individual participant data: when do benefits arise?. Statistical Methods in Medical Research, 2018, 27, 1351-1364.	1.5	67
110	High prevalence of subclinical iron deficiency in whole blood donors not deferred for low hemoglobin. Transfusion, 2013, 53, 1670-1677.	1.6	65
111	Diagnostic prediction models for suspected pulmonary embolism: systematic review and independent external validation in primary care. BMJ, The, 2015, 351, h4438.	6.0	63
112	Protocol for a systematic review on the methodological and reporting quality of prediction model studies using machine learning techniques. BMJ Open, 2020, 10, e038832.	1.9	60
113	Clinical prediction models: diagnosis versus prognosis. Journal of Clinical Epidemiology, 2021, 132, 142-145.	5.0	60
114	Criteria for Scientific Evaluation of Novel Markers: A Perspective. Clinical Chemistry, 2010, 56, 537-541.	3.2	59
115	Prognosis after temporal lobe epilepsy surgery: The value of combining predictors. Epilepsia, 2008, 49, 1317-1323.	5.1	58
116	Impact of Risk Assessments on Prophylactic Antiemetic Prescription and the Incidence of Postoperative Nausea and Vomiting. Anesthesiology, 2014, 120, 343-354.	2.5	58
117	Parity, breastfeeding and risk of coronary heart disease: A pan-European case–cohort study. European Journal of Preventive Cardiology, 2016, 23, 1755-1765.	1.8	58
118	Multivariate meta-analysis of individual participant data helped externally validate the performance and implementation of a prediction model. Journal of Clinical Epidemiology, 2016, 69, 40-50.	5.0	56
119	Sequelae after Bacterial Meningitis in Childhood. Scandinavian Journal of Infectious Diseases, 2002, 34, 379-382.	1.5	55
120	Added Value of a Serum Proteomic Signature in the Diagnostic Evaluation of Lung Nodules. Cancer Epidemiology Biomarkers and Prevention, 2012, 21, 786-792.	2.5	55
121	Meta‐analysis and aggregation of multiple published prediction models. Statistics in Medicine, 2014, 33, 2341-2362.	1.6	55
122	Adaptation of Clinical Prediction Models for Application in Local Settings. Medical Decision Making, 2012, 32, E1-E10.	2.4	53
123	How to interpret a small increase in AUC with an additional risk prediction marker: decision analysis comes through. Statistics in Medicine, 2014, 33, 3946-3959.	1.6	53
124	Explicit inclusion of treatment in prognostic modeling was recommended in observational and randomized settings. Journal of Clinical Epidemiology, 2016, 78, 90-100.	5.0	53
125	Prognostic factors for medically intractable epilepsy: A systematic review. Epilepsy Research, 2013, 106, 301-310.	1.6	52
126	Critical appraisal of artificial intelligence-based prediction models for cardiovascular disease. European Heart Journal, 2022, 43, 2921-2930.	2.2	50

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127	Diagnostic research on routine care data. Journal of Clinical Epidemiology, 2003, 56, 501-506.	5.0	48
128	Evaluation of a Prediction Model for the Development of Atrial Fibrillation in a Repository of Electronic Medical Records. JAMA Cardiology, 2016, 1, 1007.	6.1	48
129	Overdiagnosis across medical disciplines: a scoping review. BMJ Open, 2017, 7, e018448.	1.9	48
130	Aggregating published prediction models with individual participant data: a comparison of different approaches. Statistics in Medicine, 2012, 31, 2697-2712.	1.6	47
131	Association of menopausal characteristics and risk of coronary heart disease: a pan-European caseâ€"cohort analysis. International Journal of Epidemiology, 2019, 48, 1275-1285.	1.9	47
132	TRIPOD statement: a preliminary pre-post analysis of reporting and methods of prediction models. BMJ Open, 2020, 10, e041537.	1.9	47
133	Barriers and facilitators perceived by physicians when using prediction models in practice. Journal of Clinical Epidemiology, 2016, 70, 136-145.	5.0	46
134	Individual participant data metaâ€analysis of intervention studies with timeâ€toâ€event outcomes: A review of the methodology and an applied example. Research Synthesis Methods, 2020, 11, 148-168.	8.7	46
135	Completeness of reporting of clinical prediction models developed using supervised machine learning: a systematic review. BMC Medical Research Methodology, 2022, 22, 12.	3.1	45
136	Correcting for Partial Verification Bias: A Comparison of Methods. Annals of Epidemiology, 2011, 21, 139-148.	1.9	43
137	Systematic Reviews of Studies Quantifying the Accuracy of Diagnostic Tests and Markers. Clinical Chemistry, 2012, 58, 1534-1545.	3.2	43
138	Prognostic factors for adverse outcomes in patients with COVID-19: a field-wide systematic review and meta-analysis. European Respiratory Journal, 2022, 59, 2002964.	6.7	42
139	Prediction models for the risk of gestational diabetes: a systematic review. Diagnostic and Prognostic Research, 2017, 1, 3.	1.8	40
140	Transparent Reporting of Multivariable Prediction Models in Journal and Conference Abstracts: TRIPOD for Abstracts. Annals of Internal Medicine, 2020, 173, 42-47.	3.9	40
141	Testing for Helicobacter pylori in dyspeptic patients suspected of peptic ulcer disease in primary care: cross sectional study. BMJ: British Medical Journal, 2001, 323, 71-75.	2.3	39
142	Diagnostic Accuracy and User-Friendliness of 5 Point-of-Care D-Dimer Tests for the Exclusion of Deep Vein Thrombosis. Clinical Chemistry, 2010, 56, 1758-1766.	3.2	39
143	Development and validation of a prediction model for low hemoglobin deferral in a large cohort of whole blood donors. Transfusion, 2012, 52, 2559-2569.	1.6	38
144	Transparent reporting of a multivariable prediction model for individual prognosis or diagnosis (<scp>TRIPOD</scp>): the <scp>TRIPOD S</scp>tatement. European Journal of Clinical Investigation, 2015, 45, 204-214.	3.4	38

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145	Unrecognized Heart Failure and Chronic Obstructive Pulmonary Disease (COPD) in Frail Elderly Detected Through a Near-Home Targeted Screening Strategy. Journal of the American Board of Family Medicine, 2014, 27, 811-821.	1.5	37
146	Methodological conduct of prognostic prediction models developed using machine learning in oncology: a systematic review. BMC Medical Research Methodology, 2022, 22, 101.	3.1	36
147	Anticipating missing reference standard data when planning diagnostic accuracy studies. BMJ, The, 2016, 352, i402.	6.0	35
148	Cardiovascular risk prediction models for women in the general population: A systematic review. PLoS ONE, 2019, 14, e0210329.	2.5	35
149	Unexpected predictor–outcome associations in clinical prediction research: causes and solutions. Cmaj, 2013, 185, E499-E505.	2.0	33
150	A randomised clinical trial on cardiotocography plus fetal blood sampling versus cardiotocography plus ST-analysis of the fetal electrocardiogram (STAN®) for intrapartum monitoring. BMC Pregnancy and Childbirth, 2007, 7, 13.	2.4	32
151	Evaluating Diagnostic Accuracy in the Face of Multiple Reference Standards. Annals of Internal Medicine, 2013, 159, 195.	3.9	32
152	Effectiveness of contact tracing apps for SARS-CoV-2: a rapid systematic review. BMJ Open, 2021, 11, e050519.	1.9	32
153	Added value of hybrid myocardial perfusion SPECT and CT coronary angiography in the diagnosis of coronary artery disease. European Heart Journal Cardiovascular Imaging, 2014, 15, 1281-1288.	1.2	31
154	Comparison of prognostic models to predict the occurrence of colorectal cancer in asymptomatic individuals: a systematic literature review and external validation in the EPIC and UK Biobank prospective cohort studies. Gut, 2019, 68, 672-683.	12.1	31
155	Adjusting for Differential-verification Bias in Diagnostic-accuracy Studies. Epidemiology, 2011, 22, 234-241.	2.7	30
156	Value of systematic detection of physical child abuse at emergency rooms: a cross-sectional diagnostic accuracy study. BMJ Open, 2016, 6, e010788.	1.9	30
157	Ruling Out Pulmonary Embolism in Primary Care: Comparison of the Diagnostic Performance of "Gestalt" and the Wells Rule. Annals of Family Medicine, 2016, 14, 227-234.	1.9	30
158	Is there an added value of faecal calprotectin and haemoglobin in the diagnostic work-up for primary care patients suspected of significant colorectal disease? A cross-sectional diagnostic study. BMC Medicine, 2016, 14, 141.	5.5	29
159	Accuracy of the Wells Clinical Prediction Rule for Pulmonary Embolism in Older Ambulatory Adults. Journal of the American Geriatrics Society, 2014, 62, 2136-2141.	2.6	27
160	The need to balance merits and limitations from different disciplines when considering the stepped wedge cluster randomized trial design. BMC Medical Research Methodology, 2015, 15, 93.	3.1	27
161	Accounting for treatment use when validating a prognostic model: a simulation study. BMC Medical Research Methodology, 2017, 17, 103.	3.1	27
162	Prediction models for development of retinopathy in people with type 2 diabetes: systematic review and external validation in a Dutch primary care setting. Diabetologia, 2020, 63, 1110-1119.	6.3	27

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163	Safety and Efficiency of Diagnostic Strategies for Ruling Out Pulmonary Embolism in Clinically Relevant Patient Subgroups. Annals of Internal Medicine, 2022, 175, 244-255.	3.9	27
164	Development and validation of a prediction model for diagnosing blood stream infections in febrile, non‐neutropenic children with cancer. Pediatric Blood and Cancer, 2015, 62, 262-268.	1.5	26
165	Clinical characteristics associated with diagnostic delay of pulmonary embolism in primary care: a retrospective observational study. BMJ Open, 2017, 7, e012789.	1.9	26
166	Implementing systematic reviews of prognosis studies in Cochrane. The Cochrane Library, 2018, 10, ED000129.	2.8	25
167	Overinterpretation and misreporting of prognostic factor studies in oncology: a systematic review. British Journal of Cancer, 2018, 119, 1288-1296.	6.4	25
168	GetReal: from efficacy in clinical trials to relative effectiveness in the real world. Research Synthesis Methods, 2016, 7, 278-281.	8.7	24
169	Key challenges in normal tissue complication probability model development and validation: towards a comprehensive strategy. Radiotherapy and Oncology, 2020, 148, 151-156.	0.6	24
170	Performance of prediction models for nephropathy in people with type 2 diabetes: systematic review and external validation study. BMJ, The, 2021, 374, n2134.	6.0	24
171	Clinical prediction models for mortality in patients with covid-19: external validation and individual participant data meta-analysis. BMJ, The, 0, , e069881.	6.0	24
172	Prognostic models for newly-diagnosed chronic lymphocytic leukaemia in adults: a systematic review and meta-analysis. The Cochrane Library, 2020, 2020, CD012022.	2.8	23
173	Survival and quality of life after surgical aortic valve replacement in octogenarians. Journal of Cardiothoracic Surgery, 2016, 11, 38.	1.1	22
174	A tutorial on individualized treatment effect prediction from randomized trials with a binary endpoint. Statistics in Medicine, 2021, 40, 5961-5981.	1.6	22
175	The cost‐effectiveness of point-of-care D-dimer tests compared with a laboratory test to rule out deep venous thrombosis in primary care. Expert Review of Molecular Diagnostics, 2015, 15, 125-136.	3.1	21
176	When and how to use data from randomised trials to develop or validate prognostic models. BMJ: British Medical Journal, 2019, 365, l2154.	2.3	21
177	A cautionary note on the use of the missing indicator method for handling missing data in prediction research. Journal of Clinical Epidemiology, 2020, 125, 188-190.	5.0	20
178	Valuing Healthcare Goods and Services: A Systematic Review and Meta-Analysis on the WTA-WTP Disparity. Pharmacoeconomics, 2020, 38, 443-458.	3.3	20
179	Developing more generalizable prediction models from pooled studies and large clustered data sets. Statistics in Medicine, 2021, 40, 3533-3559.	1.6	20
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