

Jenna Marie Reps

List of Publications by Year in descending order

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Version: 2024-02-01

59
papers

1,737
citations

567281

15
h-index

315739

38
g-index

74
all docs

74
docs citations

74
times ranked

3091
citing authors

#	ARTICLE	IF	CITATIONS
1	Can machine-learning improve cardiovascular risk prediction using routine clinical data?. PLoS ONE, 2017, 12, e0174944.	2.5	814
2	Design and implementation of a standardized framework to generate and evaluate patient-level prediction models using observational healthcare data. Journal of the American Medical Informatics Association: JAMIA, 2018, 25, 969-975.	4.4	131
3	Risk of hydroxychloroquine alone and in combination with azithromycin in the treatment of rheumatoid arthritis: a multinational, retrospective study. Lancet Rheumatology, The, 2020, 2, e698-e711.	3.9	117
4	Comparing Stochastic Differential Equations and Agent-Based Modelling and Simulation for Early-Stage Cancer. PLoS ONE, 2014, 9, e95150.	2.5	57
5	Finding factors that predict treatment-resistant depression: Results of a cohort study. Depression and Anxiety, 2018, 35, 668-673.	4.1	54
6	Perinatal depressive symptoms often start in the prenatal rather than postpartum period: results from a longitudinal study. Archives of Women's Mental Health, 2021, 24, 119-131.	2.6	35
7	Using Machine Learning Applied to Real-World Healthcare Data for Predictive Analytics: An Applied Example in Bariatric Surgery. Value in Health, 2019, 22, 580-586.	0.3	34
8	Finding treatment-resistant depression in real-world data: How a data-driven approach compares with expert-based heuristics. Depression and Anxiety, 2018, 35, 220-228.	4.1	33
9	Development and validation of a prognostic model predicting symptomatic hemorrhagic transformation in acute ischemic stroke at scale in the OHDSI network. PLoS ONE, 2020, 15, e0226718.	2.5	25
10	Illness Beliefs Predict Mortality in Patients with Diabetic Foot Ulcers. PLoS ONE, 2016, 11, e0153315.	2.5	23
11	Comparison of algorithms that detect drug side effects using electronic healthcare databases. Soft Computing, 2013, 17, 2381-2397.	3.6	22
12	Machine-learning model to predict the cause of death using a stacking ensemble method for observational data. Journal of the American Medical Informatics Association: JAMIA, 2021, 28, 1098-1107.	4.4	22
13	Feasibility and evaluation of a large-scale external validation approach for patient-level prediction in an international data network: validation of models predicting stroke in female patients newly diagnosed with atrial fibrillation. BMC Medical Research Methodology, 2020, 20, 102.	3.1	22
14	A supervised adverse drug reaction signalling framework imitating Bradford Hill's causality considerations. Journal of Biomedical Informatics, 2015, 56, 356-368.	4.3	19
15	Treatment resistant depression incidence estimates from studies of health insurance databases depend strongly on the details of the operating definition. Heliyon, 2018, 4, e00707.	3.2	19
16	A standardized analytics pipeline for reliable and rapid development and validation of prediction models using observational health data. Computer Methods and Programs in Biomedicine, 2021, 211, 106394.	4.7	18
17	Inferring disease severity in rheumatoid arthritis using predictive modeling in administrative claims databases. PLoS ONE, 2019, 14, e0226255.	2.5	16
18	Identifying the DEAD: Development and Validation of a Patient-Level Model to Predict Death Status in Population-Level Claims Data. Drug Safety, 2019, 42, 1377-1386.	3.2	15

#	ARTICLE	IF	CITATIONS
19	Predictors of diagnostic transition from major depressive disorder to bipolar disorder: a retrospective observational network study. <i>Translational Psychiatry</i> , 2021, 11, 642.	4.8	14
20	Signalling Paediatric Side Effects using an Ensemble of Simple Study Designs. <i>Drug Safety</i> , 2014, 37, 163-170.	3.2	13
21	Frequency of rehospitalization after hospitalization for suicidal ideation or suicidal behavior in patients with depression. <i>Psychiatry Research</i> , 2020, 285, 112810.	3.3	13
22	Seek COVER: using a disease proxy to rapidly develop and validate a personalized risk calculator for COVID-19 outcomes in an international network. <i>BMC Medical Research Methodology</i> , 2022, 22, 35.	3.1	13
23	A Novel Semisupervised Algorithm for Rare Prescription Side Effect Discovery. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2014, 18, 537-547.	6.3	12
24	Refining adverse drug reaction signals by incorporating interaction variables identified using emergent pattern mining. <i>Computers in Biology and Medicine</i> , 2016, 69, 61-70.	7.0	11
25	Wisdom of the CROUD: Development and validation of a patient-level prediction model for opioid use disorder using population-level claims data. <i>PLoS ONE</i> , 2020, 15, e0228632.	2.5	11
26	Implementation of the COVID-19 Vulnerability Index Across an International Network of Health Care Data Sets: Collaborative External Validation Study. <i>JMIR Medical Informatics</i> , 2021, 9, e21547.	2.6	11
27	Design matters in patient-level prediction: evaluation of a cohort vs. case-control design when developing predictive models in observational healthcare datasets. <i>Journal of Big Data</i> , 2021, 8, .	11.0	10
28	DLMM as a lossless one-shot algorithm for collaborative multi-site distributed linear mixed models. <i>Nature Communications</i> , 2022, 13, 1678.	12.8	9
29	Discovering sequential patterns in a UK general practice database. , 2012, , .		8
30	Investigating distance metric learning in semi-supervised fuzzy c-means clustering. , 2014, , .		7
31	Refining Adverse Drug Reactions Using Association Rule Mining for Electronic Healthcare Data. , 2014, , .		7
32	A signalome screening approach in the autoinflammatory disease TNF receptor associated periodic syndrome (TRAPS) highlights the anti-inflammatory properties of drugs for repurposing. <i>Pharmacological Research</i> , 2017, 125, 188-200.	7.1	7
33	Learning patient-level prediction models across multiple healthcare databases: evaluation of ensembles for increasing model transportability. <i>BMC Medical Informatics and Decision Making</i> , 2022, 22, .	3.0	7
34	Using simulation to incorporate dynamic criteria into multiple criteria decision-making. <i>Journal of the Operational Research Society</i> , 2018, 69, 1021-1032.	3.4	6
35	Supplementing claims data analysis using self-reported data to develop a probabilistic phenotype model for current smoking status. <i>Journal of Biomedical Informatics</i> , 2019, 97, 103264.	4.3	6
36	90-Day all-cause mortality can be predicted following a total knee replacement: an international, network study to develop and validate a prediction model. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2022, 30, 3068-3075.	4.2	6

#	ARTICLE	IF	CITATIONS
37	Investigating the impact of development and internal validation design when training prognostic models using a retrospective cohort in big US observational healthcare data. <i>BMJ Open</i> , 2021, 11, e050146.	1.9	6
38	Comparing data-mining algorithms developed for longitudinal observational databases. , 2012, , .		5
39	Attributes for causal inference in electronic healthcare databases. , 2013, , .		5
40	An empirical analysis of dealing with patients who are lost to follow-up when developing prognostic models using a cohort design. <i>BMC Medical Informatics and Decision Making</i> , 2021, 21, 43.	3.0	5
41	Database Studies of Treatment-Resistant Depression Should Take Account of Adequate Dosing. primary care companion for CNS disorders, <i>The</i> , 2018, 20, .	0.6	5
42	Logistic regression models for patient-level prediction based on massive observational data: Do we need all data?. <i>International Journal of Medical Informatics</i> , 2022, 163, 104762.	3.3	5
43	Applying Machine Learning in Distributed Data Networks for Pharmacoepidemiologic and Pharmacovigilance Studies: Opportunities, Challenges, and Considerations. <i>Drug Safety</i> , 2022, 45, 493-510.	3.2	5
44	Using Iterative Pairwise External Validation to Contextualize Prediction Model Performance: A Use Case Predicting 1-Year Heart Failure Risk in Patients with Diabetes Across Five Data Sources. <i>Drug Safety</i> , 2022, 45, 563-570.	3.2	5
45	Risk Factors for Interstitial Cystitis in the General Population and in Individuals With Depression. <i>International Neurourology Journal</i> , 2019, 23, 40-45.	1.2	4
46	Personalising Mobile Advertising Based on Users' Installed Apps. , 2014, , .		3
47	Improving visual communication of discriminative accuracy for predictive models: the probability threshold plot. <i>JAMIA Open</i> , 2021, 4, ooab017.	2.0	3
48	Leveraging Digital Technology in Conducting Longitudinal Research on Mental Health in Pregnancy: Longitudinal Panel Survey Study. <i>JMIR Pediatrics and Parenting</i> , 2021, 4, e16280.	1.6	3
49	Medical Conditions Predictive of Self-Reported Poor Health: Retrospective Cohort Study. <i>JMIR Public Health and Surveillance</i> , 2020, 6, e13018.	2.6	3
50	Development of multivariable models to predict perinatal depression before and after delivery using patient reported survey responses at weeks 4â€“10 of pregnancy. <i>BMC Pregnancy and Childbirth</i> , 2022, 22, .	2.4	3
51	Refining Adverse Drug Reactions Using Association Rule Mining for Electronic Healthcare Data. <i>SSRN Electronic Journal</i> , 0, , .	0.4	2
52	Developing Predictive Models to Determine Patients in End-of-Life Care in Administrative Datasets. <i>Drug Safety</i> , 2020, 43, 447-455.	3.2	2
53	Evaluating the impact of covariate lookback times on performance of patient-level prediction models. <i>BMC Medical Research Methodology</i> , 2021, 21, 180.	3.1	2
54	Refining Adverse Drug Reaction Signals by Incorporating Interaction Variables Identified Using Emergent Pattern Mining. <i>SSRN Electronic Journal</i> , 0, , .	0.4	2

#	ARTICLE	IF	CITATIONS
55	Tuning a multiple classifier system for side effect discovery using genetic algorithms. , 2014, , .		1
56	Identifying Candidate Risk Factors for Prescription Drug Side Effects Using Causal Contrast Set Mining. Lecture Notes in Computer Science, 2015, , 45-55.	1.3	1
57	Incorporating Spontaneous Reporting System Data to Aid Causal Inference in Longitudinal Healthcare Data. , 2014, , .		0
58	A Supervised Adverse Drug Reaction Signalling Framework Imitating Bradford Hill's Causality Considerations. SSRN Electronic Journal, 2015, , .	0.4	0
59	Tuning a Multiple Classifier System for Side Effect Discovery Using Genetic Algorithms. SSRN Electronic Journal, 0, , .	0.4	0