Bruce E Bray

List of Publications by Year in Descending Order

55 papers	1,218 citations	16 h-index	34 g-index
57 ext. papers	1,360 ext. citations	6 avg, IF	3.53 L-index

#	Paper	IF	Citations
55	An explainable artificial intelligence approach for predicting cardiovascular outcomes using electronic health records. **2022**, 1, e0000004		2
54	Categorizing metadata to help mobilize computable biomedical knowledge.. *Learning Health Systems*, **2022**, 6, e10271	3	3
53	Information Extraction From Electronic Health Records to Predict Readmission Following Acute Myocardial Infarction: Does Natural Language Processing Using Clinical Notes Improve Prediction of Readmission?. *Journal of the American Heart Association*, **2022**, e024198	6	
52	Summary of third annual MCBK public meeting: Mobilizing computable biomedical knowledge-Accelerating the second knowledge revolution. *Learning Health Systems*, **2021**, 5, e10255	3	
51	Development of Electronic Health Record-Based Prediction Models for 30-Day Readmission Risk Among Patients Hospitalized for Acute Myocardial Infarction. *JAMA Network Open*, **2021**, 4, e2035782	10.4	2
50	Shedding Light on the Black Box: Explaining Deep Neural Network Prediction of Clinical Outcomes. *Journal of Medical Systems*, **2021**, 45, 5	5.1	8
49	Adaptation of an NLP system to a new healthcare environment to identify social determinants of health. *Journal of Biomedical Informatics*, **2021**, 120, 103851	10.2	3
48	Summary of second annual MCBK public meeting: Mobilizing Computable Biomedical Knowledge-A movement to accelerate translation of knowledge into action. *Learning Health Systems*, **2020**, 4, e10222	3	2
47	Temporal Pattern Detection to Predict Adverse Events in Critical Care: Case Study With Acute Kidney Injury. *JMIR Medical Informatics*, **2020**, 8, e14272	3.6	7
46	Stakeholder Engagement for a Planned Automated Quality Measurement System. *SAGE Open*, **2020**, 10, 215824402091945	1.5	
45	Predicting Optimal Hypertension Treatment Pathways Using Recurrent Neural Networks. *International Journal of Medical Informatics*, **2020**, 139, 104122	5.3	3
44	Development of a cardiac-centered frailty ontology. *Journal of Biomedical Semantics*, **2019**, 10, 3	2.2	2
43	Automating Quality Measures for Heart Failure Using Natural Language Processing: A Descriptive Study in the Department of Veterans Affairs. *JMIR Medical Informatics*, **2018**, 6, e5	3.6	21
42	Role of Nursing Informatics in the Automation of Pneumonia Quality Measure Data Elements. *CIN - Computers Informatics Nursing*, **2018**, 36, 475-483	1.4	1
41	Patient needs and preferences for herb-drug-disease interaction alerts: a structured interview study. *BMC Complementary and Alternative Medicine*, **2017**, 17, 272	4.7	7
40	Congestive heart failure information extraction framework for automated treatment performance measures assessment. *Journal of the American Medical Informatics Association: JAMIA*, **2017**, 24, e40-e46	8.6	22
39	Generating disease-pertinent treatment vocabularies from MEDLINE citations. *Journal of Biomedical Informatics*, **2017**, 65, 46-57	10.2	7

38	Veterans Like Me: Formative evaluation of a patient decision aid design. *Journal of Biomedical Informatics*, **2017**, 71S, S46-S52	10.2	3
37	Predicting Adverse Outcomes in Heart Failure Patients Using Different Frailty Status Measures. *Studies in Health Technology and Informatics*, **2017**, 245, 327-331	0.5	1
36	Changes in Oral Anticoagulant Treatment Rates in Atrial Fibrillation before and after the Introduction of Direct Oral Anticoagulants. *Neuroepidemiology*, **2016**, 47, 201-209	5.4	6
35	Automated pictographic illustration of discharge instructions with Glyph: impact on patient recall and satisfaction. *Journal of the American Medical Informatics Association: JAMIA*, **2016**, 23, 1136-1142	8.6	20
34	Automated alerts and reminders targeting patients: A review of the literature. *Patient Education and Counseling*, **2016**, 99, 953-9	3.1	27
33	A method for the development of disease-specific reference standards vocabularies from textual biomedical literature resources. *Artificial Intelligence in Medicine*, **2016**, 68, 47-57	7.4	11
32	Regular Expression-Based Learning for METs Value Extraction. *AMIA Summits on Translational Science Proceedings*, **2016**, 2016, 213-20	1.1	
31	Identification and Use of Frailty Indicators from Text to Examine Associations with Clinical Outcomes Among Patients with Heart Failure **2016**, 2016, 1110-1118	0.7	17
30	Merging Electronic Health Record Data and Genomics for Cardiovascular Research: A Science Advisory From the American Heart Association. *Circulation: Cardiovascular Genetics*, **2016**, 9, 193-202		11
29	Value Driven Outcomes (VDO): a pragmatic, modular, and extensible software framework for understanding and improving health care costs and outcomes. *Journal of the American Medical Informatics Association: JAMIA*, **2015**, 22, 223-35	8.6	70
28	A picture's meaning: The design and evaluation of pictographs illustrating patient discharge instructions. *Journal of Communication in Healthcare*, **2015**, 8, 335-349	0.9	1
27	Representation of Functional Status Concepts from Clinical Documents and Social Media Sources by Standard Terminologies **2015**, 2015, 795-803	0.7	7
26	Heart Failure Medications Detection and Prescription Status Classification in Clinical Narrative Documents. *Studies in Health Technology and Informatics*, **2015**, 216, 609-13	0.5	6
25	Assessing Pictograph Recognition: A Comparison of Crowdsourcing and Traditional Survey Approaches. *Journal of Medical Internet Research*, **2015**, 17, e281	7.6	15
24	A three-step approach for the derivation and validation of high-performing predictive models using an operational dataset: congestive heart failure readmission case study. *BMC Medical Informatics and Decision Making*, **2014**, 14, 41	3.6	10
23	Evaluation of a pictograph enhancement system for patient instruction: a recall study. *Journal of the American Medical Informatics Association: JAMIA*, **2014**, 21, 1026-31	8.6	16
22	An international effort towards developing standards for best practices in analysis, interpretation and reporting of clinical genome sequencing results in the CLARITY Challenge. *Genome Biology*, **2014**, 15, R53	18.3	86
21	Systematic review of clinical decision support interventions with potential for inpatient cost reduction. *BMC Medical Informatics and Decision Making*, **2013**, 13, 135	3.6	22

20	Automated extraction of ejection fraction for quality measurement using regular expressions in Unstructured Information Management Architecture (UIMA) for heart failure. *Journal of the American Medical Informatics Association: JAMIA*, **2012**, 19, 859-66	8.6	81
19	Automated illustration of patients instructions **2012**, 2012, 1158-67	0.7	8
18	A bootstrapping algorithm to improve cohort identification using structured data. *Journal of Biomedical Informatics*, **2011**, 44 Suppl 1, S63-S68	10.2	16
17	Feasibility and potential benefit of collecting Complementary and Alternative Medicine data through a computerized patient interview **2011**, 2011, 1217-23	0.7	4
16	Combining relevance assignment with quality of the evidence to support guideline development. *Studies in Health Technology and Informatics*, **2010**, 160, 709-13	0.5	7
15	Volume indicators and left ventricular mass during aggressive volume management in patients on thrice-weekly hemodialysis. *Nephron Clinical Practice*, **2009**, 113, c270-80		19
14	Efficiency of CYP2C9 genetic test representation for automated pharmacogenetic decision support. *Methods of Information in Medicine*, **2009**, 48, 282-90	1.5	14
13	Using semantic predications to characterize the clinical cardiovascular literature **2008**, 887	0.7	3
12	Close coupling of systolic and diastolic function: combined assessment provides superior prediction of exercise capacity. *Journal of Cardiac Failure*, **2005**, 11, 516-22	3.3	10
11	Image acquisition context: procedure description attributes for clinically relevant indexing and selective retrieval of biomedical images. *Journal of the American Medical Informatics Association: JAMIA*, **1999**, 6, 61-75	8.6	16
10	Controlled terminology for clinically-relevant indexing and selective retrieval of biomedical images. *International Journal on Digital Libraries*, **1997**, 1, 278-287	1.4	8
9	Left ventricular mass increases during cardiac allograft vascular rejection. *Journal of the American College of Cardiology*, **1995**, 25, 922-6	15.1	31
8	Comparison of ST depression recorded by Holter monitors and 12-lead ECGs during coronary angiography and exercise testing. *Journal of Electrocardiology*, **1992**, 25, 323-31	1.4	10
7	Comparison of observer and videodensitometric measurements of simulated coronary artery stenoses. *Investigative Radiology*, **1987**, 22, 562-8	10.1	5
6	Digital subtraction coronary angiography using high-pass temporal filtration: a comparison with cineangiography. *Catheterization and Cardiovascular Diagnosis*, **1985**, 11, 17-24		9
5	Real-time digital angiocardiography using a temporal high-pass filter. *Radiology*, **1984**, 151, 517-20	20.5	9
4	Comparative effects of diltiazem, propranolol, and placebo on exercise performance using radionuclide ventriculography in patients with symptomatic coronary artery disease: results of a double-blind, randomized, crossover study. *American Heart Journal*, **1984**, 107, 698-706	4.9	36
3	Long-term follow-up after intracoronary streptokinase for myocardial infarction: a randomized, controlled study. *American Heart Journal*, **1984**, 108, 1402-8	4.9	17

List of Publications

2   A randomized trial of intracoronary streptokinase in the treatment of acute myocardial infarction.
     New England Journal of Medicine, **1983**, 308, 1312-8   59.2   495

2   A randomized trial of intracoronary streptokinase in the treatment of acute myocardial infarction.
     New England Journal of Medicine, **1983**, 308, 1312-8   59.2   495

1   Automating Quality Measures for Heart Failure Using Natural Language Processing: A Descriptive
     Study in the Department of Veterans Affairs (Preprint)