

William R Hogan

List of Publications by Year in descending order

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Version: 2024-02-01

89
papers

2,140
citations

346980

22
h-index

312153

41
g-index

92
all docs

92
docs citations

92
times ranked

2584
citing authors

#	ARTICLE	IF	CITATIONS
1	The OneFlorida Data Trust: a centralized, translational research data infrastructure of statewide scope. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2022, 29, 686-693.	2.2	24
2	Ideal algorithms in healthcare: Explainable, dynamic, precise, autonomous, fair, and reproducible. , 2022, 1, e0000006.		29
3	A Checklist for Reproducible Computational Analysis in Clinical Metabolomics Research. <i>Metabolites</i> , 2022, 12, 87.	1.3	12
4	Extracting social determinants of health from electronic health records using natural language processing: a systematic review. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2021, 28, 2716-2727.	2.2	84
5	An external exposome-wide association study of COVID-19 mortality in the United States. <i>Science of the Total Environment</i> , 2021, 768, 144832.	3.9	21
6	Applications of artificial intelligence in drug development using real-world data. <i>Drug Discovery Today</i> , 2021, 26, 1256-1264.	3.2	36
7	Exploring the feasibility of using real-world data from a large clinical data research network to simulate clinical trials of Alzheimer's disease. <i>Npj Digital Medicine</i> , 2021, 4, 84.	5.7	18
8	Semantic standards of external exposome data. <i>Environmental Research</i> , 2021, 197, 111185.	3.7	12
9	Aligning Patient Acuity with Resource Intensity after Major Surgery. <i>Annals of Surgery</i> , 2021, Publish Ahead of Print, .	2.1	5
10	Association of Postoperative Undertriage to Hospital Wards With Mortality and Morbidity. <i>JAMA Network Open</i> , 2021, 4, e2131669.	2.8	9
11	A Study of Social and Behavioral Determinants of Health in Lung Cancer Patients Using Transformers-based Natural Language Processing Models.. <i>AMIA ... Annual Symposium proceedings</i> , 2021, 2021, 1225-1233.	0.2	1
12	Identifying relations of medications with adverse drug events using recurrent convolutional neural networks and gradient boosting. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2020, 27, 65-72.	2.2	46
13	Combination Antihypertensive Therapy Prescribing and Blood Pressure Control in a Real-World Setting. <i>American Journal of Hypertension</i> , 2020, 33, 316-324.	1.0	5
14	Clinical concept extraction using transformers. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2020, 27, 1935-1942.	2.2	71
15	Optimizing identification of resistant hypertension: Computable phenotype development and validation. <i>Pharmacoepidemiology and Drug Safety</i> , 2020, 29, 1393-1401.	0.9	12
16	Assessing the practice of data quality evaluation in a national clinical data research network through a systematic scoping review in the era of real-world data. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2020, 27, 1999-2010.	2.2	39
17	A realism-based approach to an ontological representation of symbiotic interactions. <i>BMC Medical Informatics and Decision Making</i> , 2020, 20, 258.	1.5	1
18	Postnatal pediatric systemic antibiotic episodes during the first three years of life are not associated with mode of delivery. <i>PLoS ONE</i> , 2020, 15, e0229861.	1.1	1

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19	Clinical Trial Generalizability Assessment in the Big Data Era: A Review. <i>Clinical and Translational Science</i> , 2020, 13, 675-684.	1.5	58
20	Predicting in-hospital mortality of patients with febrile neutropenia using machine learning models. <i>International Journal of Medical Informatics</i> , 2020, 139, 104140.	1.6	20
21	International Classification of Diseases, Tenth Revision, Clinical Modification social determinants of health codes are poorly used in electronic health records. <i>Medicine (United States)</i> , 2020, 99, e23818.	0.4	39
22	Optimizing Antihypertensive Medication Classification in Electronic Health Record-Based Data: Classification System Development and Methodological Comparison. <i>JMIR Medical Informatics</i> , 2020, 8, e14777.	1.3	12
23	Developing and Validating a Computable Phenotype for the Identification of Transgender and Gender Nonconforming Individuals and Subgroups. <i>AMIA ... Annual Symposium proceedings</i> , 2020, 2020, 514-523.	0.2	3
24	Implementing a hash-based privacy-preserving record linkage tool in the OneFlorida clinical research network. <i>JAMIA Open</i> , 2019, 2, 562-569.	1.0	25
25	Enhancing the drug ontology with semantically-rich representations of National Drug Codes and RxNorm unique concept identifiers. <i>BMC Bioinformatics</i> , 2019, 20, 708.	1.2	7
26	A Study of Deep Learning Methods for De-identification of Clinical Notes at Cross Institute Settings. , 2019, 2019, .		1
27	A study of deep learning methods for de-identification of clinical notes in cross-institute settings. <i>BMC Medical Informatics and Decision Making</i> , 2019, 19, 232.	1.5	47
28	MADEx: A System for Detecting Medications, Adverse Drug Events, and Their Relations from Clinical Notes. <i>Drug Safety</i> , 2019, 42, 123-133.	1.4	35
29	Objectively measured pediatric obesity prevalence using the OneFlorida Clinical Research Consortium. <i>Obesity Research and Clinical Practice</i> , 2019, 13, 12-15.	0.8	4
30	Antihypertensive therapy prescribing patterns and correlates of blood pressure control among hypertensive patients with chronic kidney disease. <i>Journal of Clinical Hypertension</i> , 2019, 21, 91-101.	1.0	14
31	MySurgeryRisk: Development and Validation of a Machine-learning Risk Algorithm for Major Complications and Death After Surgery. <i>Annals of Surgery</i> , 2019, 269, 652-662.	2.1	197
32	Assessing the Validity of a Patient-Trial Generalizability Score using Real-world Data from a Large Clinical Data Research Network: A Colorectal Cancer Clinical Trial Case Study. <i>AMIA ... Annual Symposium proceedings</i> , 2019, 2019, 1101-1110.	0.2	4
33	OneFlorida Clinical Research Consortium: Linking a Clinical and Translational Science Institute With a Community-Based Distributive Medical Education Model. <i>Academic Medicine</i> , 2018, 93, 451-455.	0.8	77
34	Sustainability considerations for clinical and translational research informatics infrastructure. <i>Journal of Clinical and Translational Science</i> , 2018, 2, 267-275.	0.3	10
35	OC-2-KB: integrating crowdsourcing into an obesity and cancer knowledge base curation system. <i>BMC Medical Informatics and Decision Making</i> , 2018, 18, 55.	1.5	22
36	Prevalence of Multiple Chronic Conditions Among Older Adults in Florida and the United States: Comparative Analysis of the OneFlorida Data Trust and National Inpatient Sample. <i>Journal of Medical Internet Research</i> , 2018, 20, e137.	2.1	50

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37	Computable Eligibility Criteria through Ontology-driven Data Access: A Case Study of Hepatitis C Virus Trials. AMIA ... Annual Symposium proceedings, 2018, 2018, 1601-1610.	0.2	9
38	Combine Factual Medical Knowledge and Distributed Word Representation to Improve Clinical Named Entity Recognition. AMIA ... Annual Symposium proceedings, 2018, 2018, 1110-1117.	0.2	13
39	Towards a privacy preserving cohort discovery framework for clinical research networks. Journal of Biomedical Informatics, 2017, 66, 42-51.	2.5	16
40	Therapeutic indications and other use-case-driven updates in the drug ontology: anti-malarials, anti-hypertensives, opioid analgesics, and a large term request. Journal of Biomedical Semantics, 2017, 8, 10.	0.9	14
41	OC-2-KB: A software pipeline to build an evidence-based obesity and cancer knowledge base. , 2017, 2017, 1284-1287.		4
42	The Building Blocks of Inter-operability. Applied Clinical Informatics, 2017, 08, 322-336.	0.8	14
43	Comparing and Contrasting A Priori and A Posteriori Generalizability Assessment of Clinical Trials on Type 2 Diabetes Mellitus. AMIA ... Annual Symposium proceedings, 2017, 2017, 849-858.	0.2	4
44	Towards an obesity-cancer knowledge base: Biomedical entity identification and relation detection. , 2016, 2016, 1081-1088.		14
45	The ontology of medically related social entities: recent developments. Journal of Biomedical Semantics, 2016, 7, 47.	0.9	18
46	The Apollo Structured Vocabulary: an OWL2 ontology of phenomena in infectious disease epidemiology and population biology for use in epidemic simulation. Journal of Biomedical Semantics, 2016, 7, 50.	0.9	13
47	Diagnosis, misdiagnosis, lucky guess, hearsay, and more: an ontological analysis. Journal of Biomedical Semantics, 2016, 7, 54.	0.9	8
48	Assessing the comorbidity gap between clinical studies and prevalence in elderly patient populations. , 2016, 2016, 136-139.		9
49	An accurate and precise representation of drug ingredients. Journal of Biomedical Semantics, 2016, 7, 7.	0.9	8
50	CollaborationViz: Interactive Visual Exploration of Biomedical Research Collaboration Networks. PLoS ONE, 2014, 9, e111928.	1.1	11
51	CLARA: an integrated clinical research administration system. Journal of the American Medical Informatics Association: JAMIA, 2014, 21, e369-e373.	2.2	10
52	Social network analysis of biomedical research collaboration networks in a CTSA institution. Journal of Biomedical Informatics, 2014, 52, 130-140.	2.5	47
53	Automated Tools for Clinical Research Data Quality Control using NCI Common Data Elements. AMIA Summits on Translational Science Proceedings, 2014, 2014, 60-9.	0.4	2
54	Towards a foundational representation of potential drug-drug interaction knowledge. CEUR Workshop Proceedings, 2014, 1309, 16-31.	2.3	3

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55	Evidence of community structure in Biomedical Research Grant Collaborations. Journal of Biomedical Informatics, 2013, 46, 40-46.	2.5	29
56	Understanding biomedical research collaborations through social network analysis: A case study. , 2013, , .		3
57	Building a drug ontology based on RxNorm and other sources. Journal of Biomedical Semantics, 2013, 4, 44.	0.9	60
58	Developing a semantically rich ontology for the biobank-administration domain. Journal of Biomedical Semantics, 2013, 4, 23.	0.9	19
59	Apollo: giving application developers a single point of access to public health models using structured vocabularies and Web services. AMIA ... Annual Symposium proceedings, 2013, 2013, 1415-24.	0.2	2
60	Towards a Consistent and Scientifically Accurate Drug Ontology. CEUR Workshop Proceedings, 2013, 1060, 68-73.	2.3	12
61	Prescription-Acquired Acetaminophen Use and the Risk of Asthma in Adults: A Case-Control Study. Annals of Pharmacotherapy, 2012, 46, 1598-1608.	0.9	13
62	Acute and Chronic Acetaminophen Use and Renal Disease: A Case-Control Study Using Pharmacy and Medical Claims. Journal of Managed Care Pharmacy, 2012, 18, 234-246.	2.2	19
63	Results: Survey of Pediatric Urology Electronic Medical Records Use and Perspectives. Journal of Urology, 2011, 186, 1740-1745.	0.2	1
64	Towards an ontological theory of substance intolerance and hypersensitivity. Journal of Biomedical Informatics, 2011, 44, 26-34.	2.5	8
65	Natural Language Processing methods and systems for biomedical ontology learning. Journal of Biomedical Informatics, 2011, 44, 163-179.	2.5	124
66	Temporal evolution of biomedical research grant collaborations across multiple scales--a CTSA baseline study. AMIA ... Annual Symposium proceedings, 2011, 2011, 987-93.	0.2	8
67	Measuring the Information Gain of Diagnosis vs. Diagnosis Category Coding. AMIA ... Annual Symposium proceedings, 2010, 2010, 306-10.	0.2	2
68	Knowledge-based variable selection for learning rules from proteomic data. BMC Bioinformatics, 2009, 10, S16.	1.2	6
69	Measuring the effect of commuting on the performance of the Bayesian Aerosol Release Detector. BMC Medical Informatics and Decision Making, 2009, 9, S7.	1.5	38
70	Mining aggregates of over-the-counter products for syndromic surveillance. Pattern Recognition Letters, 2009, 30, 255-266.	2.6	4
71	EPO-KB: a searchable knowledge base of biomarker to protein links. Bioinformatics, 2008, 24, 1418-1419.	1.8	18
72	Effect of commuting on the detection and characterization performance of the Bayesian Aerosol Release Detector. , 2008, , .		2

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73	Aligning the top-level of SNOMED-CT with Basic Formal Ontology. Nature Precedings, 2008, , .	0.1	2
74	A Temporal Extension of the Bayesian Aerosol Release Detector. Lecture Notes in Computer Science, 2008, , 97-107.	1.0	2
75	Integrating a Commuting Model with the Bayesian Aerosol Release Detector. Lecture Notes in Computer Science, 2008, , 85-96.	1.0	3
76	The Bayesian aerosol release detector: An algorithm for detecting and characterizing outbreaks caused by an atmospheric release of <i>Bacillus anthracis</i> . Statistics in Medicine, 2007, 26, 5225-5252.	0.8	31
77	Unsupervised clustering of over-the-counter healthcare products into product categories. Journal of Biomedical Informatics, 2007, 40, 642-648.	2.5	13
78	The Healthcare System. , 2006, , 89-109.		4
79	Sales of Over-the-Counter Healthcare Products. , 2006, , 321-331.		5
80	Chief Complaints and ICD Codes. , 2006, , 333-359.		8
81	Atmospheric Dispersion Modeling in Biosurveillance. , 2006, , 289-299.		0
82	Information Technology Standards in Biosurveillance. , 2006, , 439-452.		1
83	Algorithms for rapid outbreak detection: a research synthesis. Journal of Biomedical Informatics, 2005, 38, 99-113.	2.5	181
84	An evaluation of three policies for updating product categories in the National Retail Data Monitor. AMIA ... Annual Symposium proceedings, 2005, , 325-9.	0.2	0
85	A multivariate procedure for identifying correlations between diagnoses and over-the-counter products from historical datasets. AMIA ... Annual Symposium proceedings, 2005, , 450-4.	0.2	2
86	Design of a National Retail Data Monitor for Public Health Surveillance. Journal of the American Medical Informatics Association: JAMIA, 2003, 10, 409-418.	2.2	63
87	Detection of Pediatric Respiratory and Diarrheal Outbreaks from Sales of Over-the-counter Electrolyte Products. Journal of the American Medical Informatics Association: JAMIA, 2003, 10, 555-562.	2.2	68
88	Detection of outbreaks from time series data using wavelet transform. AMIA ... Annual Symposium proceedings, 2003, , 748-52.	0.2	11
89	The Accuracy of Medication Data in an Outpatient Electronic Medical Record. Journal of the American Medical Informatics Association: JAMIA, 1996, 3, 234-244.	2.2	110