George Hripcsak

List of Publications by Year
in descending order

95 papers	6,214 citations	117625 34 h-index	79698 73 g-index
104 all docs	104 docs citations	104 times ranked	12216 citing authors

#	Article	IF	Citations
1	Observational Study of Hydroxychloroquine in Hospitalized Patients with Covid-19. New England Journal of Medicine, 2020, 382, 2411-2418.	27.0	1,351
2	Characterization and clinical course of 1000 patients with coronavirus disease 2019 in New York: retrospective case series. BMJ, The, 2020, 369, m1996.	6.0	588
3	Observational Health Data Sciences and Informatics (OHDSI): Opportunities for Observational Researchers. Studies in Health Technology and Informatics, 2015, 216, 574-8.	0.3	533
4	Characterizing treatment pathways at scale using the OHDSI network. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 7329-7336.	7.1	256
5	Comprehensive comparative effectiveness and safety of first-line antihypertensive drug classes: a systematic, multinational, large-scale analysis. Lancet, The, 2019, 394, 1816-1826.	13.7	228
6	Similarity-based modeling in large-scale prediction of drug-drug interactions. Nature Protocols, 2014, 9, 2147-2163.	12.0	178
7	Use of Natural Language Processing to Translate Clinical Information from a Database of 889,921 Chest Radiographic Reports. Radiology, 2002, 224, 157-163.	7.3	174
8	Nonconvulsive seizures after subarachnoid hemorrhage: Multimodal detection and outcomes. Annals of Neurology, 2013, 74, 53-64.	5.3	162
9	Use of electronic clinical documentation: time spent and team interactions. Journal of the American Medical Informatics Association: JAMIA, 2011, 18, 112-117.	4.4	132
10	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
11	Characterising the background incidence rates of adverse events of special interest for covid-19 vaccines in eight countries: multinational network cohort study. BMJ, The, 0, , n1435.	6.0	112
12	Harmonizing Clinical Sequencing and Interpretation for the eMERGE III Network. American Journal of Human Genetics, 2019, 105, 588-605.	6.2	99
13	Comparison of Cardiovascular and Safety Outcomes of Chlorthalidone vs Hydrochlorothiazide to Treat Hypertension. JAMA Internal Medicine, 2020, 180, 542.	5.1	97
14	Empirical confidence interval calibration for population-level effect estimation studies in observational healthcare data. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 2571-2577.	7.1	91
15	Deep phenotyping of 34,128 adult patients hospitalised with COVID-19 in an international network study. Nature Communications, 2020, 11, 5009.	12.8	86
16	Natural language processing in an operational clinical information system. Natural Language Engineering, 1995, 1, 83-108.	2.5	79
17	Disease Heritability Inferred from Familial Relationships Reported in Medical Records. Cell, 2018, 173, 1692-1704.e11.	28.9	79
18	Personalized glucose forecasting for type 2 diabetes using data assimilation. PLoS Computational Biology, 2017, 13, e1005232.	3.2	74

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19	The arden syntax for medical logic modules. Journal of Clinical Monitoring and Computing, 1993, 10, 215-224.	0.3	70
20	Reference Standards, Judges, and Comparison Subjects: Roles for Experts in Evaluating System Performance. Journal of the American Medical Informatics Association: JAMIA, 2002, 9, 1-15.	4.4	65
21	Comparative First-Line Effectiveness and Safety of ACE (Angiotensin-Converting Enzyme) Inhibitors and Angiotensin Receptor Blockers: A Multinational Cohort Study. Hypertension, 2021, 78, 591-603.	2.7	63
22	High-fidelity phenotyping: richness and freedom from bias. Journal of the American Medical Informatics Association: JAMIA, 2018, 25, 289-294.	4.4	56
23	WebCIS: large scale deployment of a Web-based clinical information system. Proceedings, 1999, , 804-8.	0.6	55
24	Association of Hemoglobin A_{1c} Levels With Use of Sulfonylureas, Dipeptidyl Peptidase 4 Inhibitors, and Thiazolidinediones in Patients With Type 2 Diabetes Treated With Metformin. JAMA Network Open, 2018, 1, e181755.	5.9	54
25	New insights into highly potent tyrosinase inhibitors based on 3-heteroarylcoumarins: Anti-melanogenesis and antioxidant activities, and computational molecular modeling studies. Bioorganic and Medicinal Chemistry, 2017, 25, 1687-1695.	3.0	53
26	Improving reproducibility by using high-throughput observational studies with empirical calibration. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2018, 376, 20170356.	3.4	53
27	Parameterizing time in electronic health record studies. Journal of the American Medical Informatics Association: JAMIA, 2015, 22, 794-804.	4.4	51
28	Facilitating phenotype transfer using a common data model. Journal of Biomedical Informatics, 2019, 96, 103253.	4.3	49
29	Design and discovery of tyrosinase inhibitors based on a coumarin scaffold. RSC Advances, 2015, 5, 94227-94235.	3.6	48
30	Robust empirical calibration of pâ€values using observational data. Statistics in Medicine, 2016, 35, 3883-3888.	1.6	43
31	The Prognostic Value of Electrocardiogram at Presentation to Emergency Department in Patients With COVID-19. Mayo Clinic Proceedings, 2020, 95, 2099-2109.	3.0	43
32	Automated Tuberculosis Detection. Journal of the American Medical Informatics Association: JAMIA, 1997, 4, 376-381.	4.4	42
33	A plea to stop using the caseâ€control design in retrospective database studies. Statistics in Medicine, 2019, 38, 4199-4208.	1.6	42
34	Practical considerations in genomic decision support: The eMERGE experience. Journal of Pathology Informatics, 2015, 6, 50.	1.7	42
35	Columbia Open Health Data, clinical concept prevalence and co-occurrence from electronic health records. Scientific Data, 2018, 5, 180273.	5.3	41
36	Risk of angioedema associated with levetiracetam compared with phenytoin: Findings of the observational health data sciences and informatics research network. Epilepsia, 2017, 58, e101-e106.	5.1	37

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37	Intercepting Wrong-Patient Orders in a Computerized Provider Order Entry System. Annals of Emergency Medicine, 2015, 65, 679-686.e1.	0.6	36
38	Extracting findings from narrative reports: software transferability and sources of physician disagreement. Methods of Information in Medicine, 1998, 37, 1-7.	1.2	33
39	How Confident Are We About Observational Findings in Health Care: A Benchmark Study. , 2020, 2, .		32
40	Feasibility of Prioritizing Drugâ€“Drug-Event Associations Found in Electronic Health Records. Drug Safety, 2016, 39, 45-57.	3.2	31
41	Principles of Large-scale Evidence Generation and Evaluation across a Network of Databases (LEGEND). Journal of the American Medical Informatics Association: JAMIA, 2020, 27, 1331-1337.	4.4	31
42	Generalizability of Polygenic Risk Scores for Breast Cancer Among Women With European, African, and Latinx Ancestry. JAMA Network Open, 2021, 4, e2119084.	5.9	31
43	Development and validation of an electronic phenotyping algorithm for chronic kidney disease. AMIA ... Annual Symposium proceedings, 2014, 2014, 907-16.	0.2	31
44	Mechanistic machine learning: how data assimilation leverages physiologic knowledge using Bayesian inference to forecast the future, infer the present, and phenotype. Journal of the American Medical Informatics Association: JAMIA, 2018, 25, 1392-1401.	4.4	30
45	Potent and selective MAO-B inhibitory activity: Amino- versus nitro-3-arylcoumarin derivatives. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 642-648.	2.2	28
46	Making work visible for electronic phenotype implementation: Lessons learned from the eMERGE network. Journal of Biomedical Informatics, 2019, 99, 103293.	4.3	27
47	Access to Data: Comparing AccessMed With Query by Review. Journal of the American Medical Informatics Association: JAMIA, 1996, 3, 288-299.	4.4	26
48	Participatory approach to the development of a knowledge base for problem-solving in diabetes self-management. International Journal of Medical Informatics, 2016, 85, 96-103.	3.3	23
49	Population Physiology: Leveraging Electronic Health Record Data to Understand Human Endocrine Dynamics. PLoS ONE, 2012, 7, e48058.	2.5	22
50	Arden Syntax for Medical Logic Modules. M D Computing, 1991, 8, 76, 78.	0.1	21
51	Comprehensive Comparative Effectiveness and Safety of First-Line Î²-Blocker Monotherapy in Hypertensive Patients. Hypertension, 2021, 77, 1528-1538.	2.7	20
52	Risk of depression, suicide and psychosis with hydroxychloroquine treatment for rheumatoid arthritis: a multinational network cohort study. Rheumatology, 2021, 60, 3222-3234.	1.9	20
53	Large-scale evidence generation and evaluation across a network of databases (LEGEND): assessing validity using hypertension as a case study. Journal of the American Medical Informatics Association: JAMIA, 2020, 27, 1268-1277.	4.4	19
54	Characterising the long-term clinical outcomes of 1190 hospitalised patients with COVID-19 in New York City: a retrospective case series. BMJ Open, 2021, 11, e049488.	1.9	19

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55	Comparison of First-Line Dual Combination Treatments in Hypertension: Real-World Evidence from Multinational Heterogeneous Cohorts. Korean Circulation Journal, 2020, 50, 52.	1.9	19
56	3D Pharmacophoric Similarity improves Multi Adverse Drug Event Identification in Pharmacovigilance. Scientific Reports, 2015, 5, 8809.	3.3	18
57	A scoping review of clinical decision support tools that generate new knowledge to support decision making in real time. Journal of the American Medical Informatics Association: JAMIA, 2020, 27, 1968-1976.	4.4	18
58	Arrhythmia Variant Associations and Reclassifications in the eMERGE-III Sequencing Study. Circulation, 2022, 145, 877-891.	1.6	18
59	Preserving temporal relations in clinical data while maintaining privacy. Journal of the American Medical Informatics Association: JAMIA, 2016, 23, 1040-1045.	4.4	17
60	MAO inhibitory activity of bromo-2-phenylbenzofurans: synthesis, in vitro study, and docking calculations. MedChemComm, 2017, 8, 1788-1796.	3.4	17
61	Methodological variations in lagged regression for detecting physiologic drug effects in EHR data. Journal of Biomedical Informatics, 2018, 86, 149-159.	4.3	14
62	Treatment Patterns for Chronic Comorbid Conditions in Patients With Cancer Using a Large-Scale Observational Data Network. JCO Clinical Cancer Informatics, 2020, 4, 171-183.	2.1	14
63	Adapting electronic health records-derived phenotypes to claims data: Lessons learned in using limited clinical data for phenotyping. Journal of Biomedical Informatics, 2020, 102, 103363.	4.3	13
64	The Columbia-Presbyterian Medical Center decision-support system as a model for implementing the Arden Syntax. Proceedings, 1991, , 248-52.	0.4	13
65	Navigating in chromone chemical space: discovery of novel and distinct A₃adenosine receptor ligands. RSC Advances, 2015, 5, 78572-78585.	3.6	11
66	Implementation of the COVID-19 Vulnerability Index Across an International Network of Health Care Data Sets: Collaborative External Validation Study. JMIR Medical Informatics, 2021, 9, e21547.	2.6	11
67	Unraveling COVID-19: A Large-Scale Characterization of 4.5 Million COVID-19 Cases Using CHARYBDIS. Clinical Epidemiology, 2022, Volume 14, 369-384.	3.0	11
68	Web-based monitoring of asthma severity: a new approach to ambulatory management. , 0, , .		10
69	Leveraging 3D chemical similarity, target and phenotypic data in the identification of drug-protein and drug-adverse effect associations. Journal of Cheminformatics, 2016, 8, 35.	6.1	10
70	Development of novel adenosine receptor ligands based on the 3-amidocoumarin scaffold. Bioorganic Chemistry, 2015, 61, 1-6.	4.1	9
71	Computational Drug Target Screening through Protein Interaction Profiles. Scientific Reports, 2016, 6, 36969.	3.3	9
72	Origins of the Arden Syntax. Artificial Intelligence in Medicine, 2018, 92, 7-9.	6.5	8

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73	Characterizing physiciansâ€™ information needs related to a gap in knowledge unmet by current evidence. JAMIA Open, 2020, 3, 281-289.	2.0	8
74	Clinical comparison between trial participants and potentially eligible patients using electronic health record data: A generalizability assessment method. Journal of Biomedical Informatics, 2021, 119, 103822.	4.3	8
75	IAIMS architecture. Journal of the American Medical Informatics Association: JAMIA, 1997, 4, S20-30.	4.4	8
76	Characteristics and outcomes of patients with COVID-19 with and without prevalent hypertension: a multinational cohort study. BMJ Open, 2021, 11, e057632.	1.9	8
77	Factors Influencing Background Incidence Rate Calculation: Systematic Empirical Evaluation Across an International Network of Observational Databases. Frontiers in Pharmacology, 2022, 13, 814198.	3.5	8
78	Delay-induced uncertainty for a paradigmatic glucoseâ€“insulin model. Chaos, 2021, 31, 023142.	2.5	7
79	Desperately seeking data: knowledge base-database links. Proceedings, 1993, , 639-43.	0.4	7
80	ASTM E31.15 on health knowledge representation: the Arden Syntax. Studies in Health Technology and Informatics, 1993, 6, 105-12.	0.3	7
81	Visualizing the operating range of a classification system. Journal of the American Medical Informatics Association: JAMIA, 2012, 19, 529-532.	4.4	4
82	Discovery of the first A₁ adenosine receptor ligand based on the chromone scaffold. RSC Advances, 2016, 6, 46972-46976.	3.6	4
83	Progress in the development of small molecules as new human A₃ adenosine receptor ligands based on the 3-thiophenylcoumarin core. MedChemComm, 2016, 7, 845-852.	3.4	4
84	Application of Epidemiological Geographic Information System: An Open-Source Spatial Analysis Tool Based on the OMOP Common Data Model. International Journal of Environmental Research and Public Health, 2020, 17, 7824.	2.6	4
85	Patient characteristics and antiseizure medication pathways in newly diagnosed epilepsy: Feasibility and pilot results using the common data model in a single-center electronic medical record database. Epilepsy and Behavior, 2022, 129, 108630.	1.7	4
86	Network Analysis of Citation in Hypertension Clinical Guidelines. Studies in Health Technology and Informatics, 2019, 264, 1017-1020.	0.3	4
87	Using the Federated Council for Internal Medicine Curricular Guide and Administrative Codes to Assess IM Residentsâ€™ Breadth of Experience. Academic Medicine, 2004, 79, 557-563.	1.6	3
88	Data Consult Service: Can we use observational data to address immediate clinical needs?. Journal of the American Medical Informatics Association: JAMIA, 2021, 28, 2139-2146.	4.4	3
89	Columbia Open Health Data for COVID-19 Research: Database Analysis. Journal of Medical Internet Research, 2021, 23, e31122.	4.3	3
90	User comments on a clinical event monitor. Proceedings, 1994, , 636-40.	0.4	3

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91	Characterizing Anchoring Bias in Vaccine Comparator Selection Due to Health Care Utilization With COVID-19 and Influenza: Observational Cohort Study. JMIR Public Health and Surveillance, 2022, 8, e33099.	2.6	2
92	Chlorthalidone and Hydrochlorothiazide for Treatment of Patients With Hypertensionâ€"Reply. JAMA Internal Medicine, 2020, 180, 1133.	5.1	1
93	Using connectionist modules for decision support. Methods of Information in Medicine, 1990, 29, 167-81.	1.2	1
94	Leveraging electronic health record data for clinical trial planning by assessing eligibility criteriaâ€™s impact on patient count and safety. Journal of Biomedical Informatics, 2022, 127, 104032.	4.3	1
95	Letter to the editor: vaccination against upper respiratory infections is a matter of survival in alcoholic liver disease. Gut, 2023, 72, 208-209.	12.1	1