

Peter Tarczy-Hornoch

List of Publications by Year in descending order

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Version: 2024-02-01

84
papers

2,525
citations

172457

29
h-index

206112

48
g-index

90
all docs

90
docs citations

90
times ranked

3489
citing authors

#	ARTICLE	IF	CITATIONS
1	Implementation of pharmacogenomic clinical decision support for health systems: a cost-utility analysis. <i>Pharmacogenomics Journal</i> , 2022, 22, 188-197.	2.0	4
2	Novel informatics approaches to COVID-19 Research: From methods to applications. <i>Journal of Biomedical Informatics</i> , 2022, 129, 104028.	4.3	5
3	A Novel Food Record App for Dietary Assessments Among Older Adults With Type 2 Diabetes: Development and Usability Study. <i>JMIR Formative Research</i> , 2021, 5, e14760.	1.4	7
4	Using a Constraint-Based Method to Identify Chronic Disease Patients Who Are Apt to Obtain Care Mostly Within a Given Health Care System: Retrospective Cohort Study. <i>JMIR Formative Research</i> , 2021, 5, e26314.	1.4	2
5	Leaf: an open-source, model-agnostic, data-driven web application for cohort discovery and translational biomedical research. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2020, 27, 109-118.	4.4	35
6	Personalized Medicine Implementation with Non-traditional Data Sources: A Conceptual Framework and Survey of the Literature. <i>Yearbook of Medical Informatics</i> , 2019, 28, 181-189.	1.0	0
7	Clinical exome sequencing vs. usual care for hereditary colorectal cancer diagnosis: A pilot comparative effectiveness study. <i>Contemporary Clinical Trials</i> , 2019, 84, 105820.	1.8	6
8	Sustainability considerations for clinical and translational research informatics infrastructure. <i>Journal of Clinical and Translational Science</i> , 2018, 2, 267-275.	0.6	10
9	Biomedical Informatics in Neonatology. , 2018, , 11-19.e2.		0
10	Identifying Patients Who Are Likely to Receive Most of Their Care From a Specific Health Care System: Demonstration via Secondary Analysis. <i>JMIR Medical Informatics</i> , 2018, 6, e12241.	2.6	12
11	Automating Electronic Clinical Data Capture for Quality Improvement and Research: The CERTAIN Validation Project of Real World Evidence. <i>EGEMS (Washington, DC)</i> , 2018, 6, 8.	2.0	9
12	Preparing Electronic Clinical Data for Quality Improvement and Comparative Effectiveness Research: The SCOAP CERTAIN Automation and Validation Project. <i>EGEMS (Washington, DC)</i> , 2017, 1, 16.	2.0	19
13	Achieving and Sustaining Automated Health Data Linkages for Learning Systems: Barriers and Solutions. <i>EGEMS (Washington, DC)</i> , 2017, 2, 3.	2.0	10
14	Availability of Structured and Unstructured Clinical Data for Comparative Effectiveness Research and Quality Improvement: A Multi-Site Assessment. <i>EGEMS (Washington, DC)</i> , 2017, 2, 11.	2.0	40
15	Automating Construction of Machine Learning Models With Clinical Big Data: Proposal Rationale and Methods. <i>JMIR Research Protocols</i> , 2017, 6, e175.	1.0	38
16	Automating Data Abstraction in a Quality Improvement Platform for Surgical and Interventional Procedures. <i>EGEMS (Washington, DC)</i> , 2017, 2, 17.	2.0	8
17	Design Recommendations for Pharmacogenomics Clinical Decision Support Systems. <i>AMIA Summits on Translational Science Proceedings</i> , 2017, 2017, 237-246.	0.4	6
18	Practical considerations for implementing genomic information resources. <i>Applied Clinical Informatics</i> , 2016, 07, 870-882.	1.7	21

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19	Clinical Sequencing Exploratory Research Consortium: Accelerating Evidence-Based Practice of Genomic Medicine. <i>American Journal of Human Genetics</i> , 2016, 98, 1051-1066.	6.2	137
20	Physician perspectives of CYP2C19 and clopidogrel drug-gene interaction active clinical decision support alerts. <i>International Journal of Medical Informatics</i> , 2016, 86, 117-125.	3.3	16
21	Modeling the costs of clinical decision support for genomic precision medicine. <i>AMIA Summits on Translational Science Proceedings</i> , 2016, 2016, 60-4.	0.4	5
22	Making pharmacogenomic-based prescribing alerts more effective: A scenario-based pilot study with physicians. <i>Journal of Biomedical Informatics</i> , 2015, 55, 249-259.	4.3	27
23	Development of clinical decision support alerts for pharmacogenomic incidental findings from exome sequencing. <i>Genetics in Medicine</i> , 2015, 17, 939-942.	2.4	25
24	CSER and eMERGE: current and potential state of the display of genetic information in the electronic health record. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2015, 22, 1231-1242.	4.4	73
25	Characterizing Secondary Use of Clinical Data. <i>AMIA Summits on Translational Science Proceedings</i> , 2015, 2015, 92-6.	0.4	1
26	Pragmatic and Ethical Challenges of Incorporating the Genome into the Electronic Health Record. <i>Current Genetic Medicine Reports</i> , 2014, 2, 201-211.	1.9	10
27	A Nationwide Survey of Trauma Center Information Technology Leverage Capacity for Mental Health Comorbidity Screening. <i>Journal of the American College of Surgeons</i> , 2014, 219, 505-510.e1.	0.5	11
28	Comparative effectiveness of next generation genomic sequencing for disease diagnosis: Design of a randomized controlled trial in patients with colorectal cancer/polyposis syndromes. <i>Contemporary Clinical Trials</i> , 2014, 39, 1-8.	1.8	17
29	Refining the structure and content of clinical genomic reports. <i>American Journal of Medical Genetics, Part C: Seminars in Medical Genetics</i> , 2014, 166, 85-92.	1.6	37
30	Implementation of a "cereal-world" learning health care system: Washington state's Comparative Effectiveness Research Translation Network (CERTAIN). <i>Surgery</i> , 2014, 155, 860-866.	1.9	37
31	Usability evaluation of pharmacogenomics clinical decision support aids and clinical knowledge resources in a computerized provider order entry system: A mixed methods approach. <i>International Journal of Medical Informatics</i> , 2014, 83, 473-483.	3.3	71
32	A Template for Authoring and Adapting Genomic Medicine Content in the eMERGE Infobutton Project. <i>AMIA ... Annual Symposium proceedings</i> , 2014, 2014, 944-53.	0.2	9
33	A survey of informatics approaches to whole-exome and whole-genome clinical reporting in the electronic health record. <i>Genetics in Medicine</i> , 2013, 15, 824-832.	2.4	62
34	A model for incorporating patient and stakeholder voices in a learning health care network: Washington State's Comparative Effectiveness Research Translation Network. <i>Journal of Clinical Epidemiology</i> , 2013, 66, S122-S129.	5.0	40
35	Personalized medicine: challenges and opportunities for translational bioinformatics. <i>Personalized Medicine</i> , 2013, 10, 453-462.	1.5	57
36	Opportunities for genomic clinical decision support interventions. <i>Genetics in Medicine</i> , 2013, 15, 817-823.	2.4	63

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37	Increasing the Efficiency and Quality of Clinical Research with Innovative Services and Informatics Tools. <i>Translational Research in Biomedicine</i> , 2012, , 89-97.	0.4	0
38	Topics in Neonatal Informatics. <i>NeoReviews</i> , 2012, 13, e281-e284.	0.8	5
39	Evaluation of Therapeutic Recommendations, Database Management, and Information Retrieval. , 2012, , 10-17.		0
40	AMIA Board white paper: definition of biomedical informatics and specification of core competencies for graduate education in the discipline. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2012, 19, 931-938.	4.4	193
41	A Survey of Informatics Platforms That Enable Distributed Comparative Effectiveness Research Using Multi-institutional Heterogenous Clinical Data. <i>Medical Care</i> , 2012, 50, S49-S59.	2.4	44
42	Implementation of a deidentified federated data network for population-based cohort discovery. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2012, 19, e60-e67.	4.4	40
43	Learning virulent proteins from integrated query networks. <i>BMC Bioinformatics</i> , 2012, 13, 321.	2.6	2
44	Developing a Prototype System for Integrating Pharmacogenomics Findings into Clinical Practice. <i>Journal of Personalized Medicine</i> , 2012, 2, 241-256.	2.5	23
45	Deriving rules and assertions from pharmacogenomics knowledge resources in support of patient drug metabolism efficacy predictions. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2012, 19, 840-850.	4.4	4
46	An Evaluation of Functional and User Interface Requirements for Pharmacogenomic Clinical Decision Support. , 2011, , .		1
47	Characterizing Data Discovery and End-User Computing Needs in Clinical Translational Science. <i>Journal of Organizational and End User Computing</i> , 2011, 23, 17-30.	2.9	2
48	Translational bioinformatics: linking knowledge across biological and clinical realms: Figure 1. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2011, 18, 354-357.	4.4	61
49	Selected proceedings of the 2010 Summit on Translational Bioinformatics. <i>BMC Bioinformatics</i> , 2010, 11, S1.	2.6	0
50	Prescriber and staff perceptions of an electronic prescribing system in primary care: a qualitative assessment. <i>BMC Medical Informatics and Decision Making</i> , 2010, 10, 72.	3.0	27
51	Evaluation of probabilistic and logical inference for a SNP annotation system. <i>Journal of Biomedical Informatics</i> , 2010, 43, 407-418.	4.3	3
52	Supporting retrieval of diverse biomedical data using evidence-aware queries. <i>Journal of Biomedical Informatics</i> , 2010, 43, 873-882.	4.3	3
53	Feasibility of incorporating genomic knowledge into electronic medical records for pharmacogenomic clinical decision support. <i>BMC Bioinformatics</i> , 2010, 11, S10.	2.6	45
54	Integrating and Ranking Uncertain Scientific Data. <i>Proceedings - International Conference on Data Engineering</i> , 2009, , .	0.0	11

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55	The potential for automated question answering in the context of genomic medicine: an assessment of existing resources and properties of answers. BMC Bioinformatics, 2009, 10, S8.	2.6	14
56	SNPit: A federated data integration system for the purpose of functional SNP annotation. Computer Methods and Programs in Biomedicine, 2009, 95, 181-189.	4.7	18
57	Incorporating collaboratory concepts into informatics in support of translational interdisciplinary biomedical research. International Journal of Medical Informatics, 2009, 78, 10-21.	3.3	43
58	Evaluating the accuracy of a functional SNP annotation system. BMC Bioinformatics, 2009, 10, S11.	2.6	2
59	On the Reachability of Trustworthy Information from Integrated Exploratory Biological Queries. Lecture Notes in Computer Science, 2009, , 55-70.	1.3	1
60	People and Organizational Issues in Research Systems Implementation. Journal of the American Medical Informatics Association: JAMIA, 2008, 15, 283-289.	4.4	57
61	Validating Annotations for Uncharacterized Proteins in Shewanella oneidensis. OMICS A Journal of Integrative Biology, 2008, 12, 211-215.	2.0	5
62	Incorporating Uncertainty Metrics into a General-Purpose Data Integration System. International Conference on Scientific and Statistical Database Management: [proceedings] International Conference on Scientific and Statistical Database Management, 2007, , .	0.0	11
63	A qualitative study of the implementation of a bioinformatics tool in a biological research laboratory. International Journal of Medical Informatics, 2007, 76, 821-828.	3.3	31
64	Data integration and genomic medicine. Journal of Biomedical Informatics, 2007, 40, 5-16.	4.3	147
65	Bio*Medical informatics and genomic medicine: Research and training. Journal of Biomedical Informatics, 2007, 40, 1-4.	4.3	8
66	Issues in Biomedical Research Data Management and Analysis: Needs and Barriers. Journal of the American Medical Informatics Association: JAMIA, 2007, 14, 478-488.	4.4	133
67	Biomediator data integration and inference for functional annotation of anonymous sequences. Pacific Symposium on Biocomputing Pacific Symposium on Biocomputing, 2007, , 343-54.	0.7	9
68	On the persistence of supplementary resources in biomedical publications. BMC Bioinformatics, 2006, 7, 260.	2.6	37
69	BIOMEDIATOR DATA INTEGRATION AND INFERENCE FOR FUNCTIONAL ANNOTATION OF ANONYMOUS SEQUENCES. , 2006, , .		9
70	Evaluation of Therapeutic Recommendations, Database Management, and Information Retrieval. , 2005, , 9-16.		0
71	The Effect of Point-of-Care Personal Digital Assistant Use on Resident Documentation Discrepancies. Pediatrics, 2004, 113, 450-454.	2.1	35
72	Incorporating ideas from computer-supported cooperative work. Journal of Biomedical Informatics, 2004, 37, 128-137.	4.3	145

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73	The BioMediator system as a data integration tool to answer diverse biologic queries. <i>Studies in Health Technology and Informatics</i> , 2004, 107, 768-72.	0.3	14
74	Resident Documentation Discrepancies in a Neonatal Intensive Care Unit. <i>Pediatrics</i> , 2003, 111, 976-980.	2.1	48
75	GeneTests-GeneClinics: Genetic testing information for a growing audience. <i>Human Mutation</i> , 2002, 19, 501-509.	2.5	71
76	Consumer Health Information on the Internet. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2002, 9, 402-403.	4.4	3
77	Amniotic fluid infection, cytokines, and adverse outcome among infants at 34 weeks' gestation or less. <i>Obstetrics and Gynecology</i> , 2001, 98, 1080-1088.	2.4	75
78	Amniotic Fluid Infection, Cytokines, and Adverse Outcome Among Infants at 34 Weeks' Gestation or Less. <i>Obstetrics and Gynecology</i> , 2001, 98, 1080-1088.	2.4	36
79	Gravitational effects on volume distribution in a model of partial and total liquid ventilation. <i>Respiration Physiology</i> , 2000, 120, 125-138.	2.7	16
80	Surfactant replacement increases compliance in premature lamb lungs during partial liquid ventilation in situ. <i>Journal of Applied Physiology</i> , 1998, 84, 1316-1322.	2.5	26
81	Amniotic fluid tumor necrosis factor- α and the risk of respiratory distress syndrome among preterm infants. <i>American Journal of Obstetrics and Gynecology</i> , 1997, 177, 50-56.	1.3	103
82	NICU-Net: An Electronic Forum for Neonatology. <i>Pediatrics</i> , 1996, 97, 398-399.	2.1	3
83	Neonatology. <i>JAMA - Journal of the American Medical Association</i> , 1994, 271, 1682.	7.4	0
84	Characterizing Data Discovery and End-User Computing Needs in Clinical Translational Science. , 0, , 301-313.		0