Peter Tarczy-Hornoch

List of Publications by Year
in descending order

84	2,525	172457	206112
papers	citations	29 h-index	48 g-index

90	90	90	3489
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	AMIA Board white paper: definition of biomedical informatics and specification of core competencies for graduate education in the discipline. Journal of the American Medical Informatics Association: JAMIA, 2012, 19, 931-938.	4.4	193
2	Data integration and genomic medicine. Journal of Biomedical Informatics, 2007, 40, 5-16.	4.3	147
3	Incorporating ideas from computer-supported cooperative work. Journal of Biomedical Informatics, 2004, 37, 128-137.	4.3	145
4	Clinical Sequencing Exploratory Research Consortium: Accelerating Evidence-Based Practice of Genomic Medicine. American Journal of Human Genetics, 2016, 98, 1051-1066.	6.2	137
5	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
6	Amniotic fluid tumor necrosis factor-Î± and the risk of respiratory distress syndrome among preterm infants. American Journal of Obstetrics and Gynecology, 1997, 177, 50-56.	1.3	103
7	Amniotic fluid infection, cytokines, and adverse outcome among infants at 34 weeks' gestation or less. Obstetrics and Gynecology, 2001, 98, 1080-1088.	2.4	75
8	CSER and eMERGE: current and potential state of the display of genetic information in the electronic health record. Journal of the American Medical Informatics Association: JAMIA, 2015, 22, 1231-1242.	4.4	73
9	GeneTests-GeneClinics: Genetic testing information for a growing audience. Human Mutation, 2002, 19, 501-509.	2.5	71
10	Usability evaluation of pharmacogenomics clinical decision support aids and clinical knowledge resources in a computerized provider order entry system: A mixed methods approach. International Journal of Medical Informatics, 2014, 83, 473-483.	3.3	71
11	Opportunities for genomic clinical decision support interventions. Genetics in Medicine, 2013, 15, 817-823.	2.4	63
12	A survey of informatics approaches to whole-exome and whole-genome clinical reporting in the electronic health record. Genetics in Medicine, 2013, 15, 824-832.	2.4	62
13	Translational bioinformatics: linking knowledge across biological and clinical realms: Figure 1. Journal of the American Medical Informatics Association: JAMIA, 2011, 18, 354-357.	4.4	61
14	People and Organizational Issues in Research Systems Implementation. Journal of the American Medical Informatics Association: JAMIA, 2008, 15, 283-289.	4.4	57
15	Personalized medicine: challenges and opportunities for translational bioinformatics. Personalized Medicine, 2013, 10, 453-462.	1.5	57
16	Resident Documentation Discrepancies in a Neonatal Intensive Care Unit. Pediatrics, 2003, 111, 976-980.	2.1	48
17	Feasibility of incorporating genomic knowledge into electronic medical records for pharmacogenomic clinical decision support. BMC Bioinformatics, 2010, 11, S10.	2.6	45
18	A Survey of Informatics Platforms That Enable Distributed Comparative Effectiveness Research Using Multi-institutional Heterogenous Clinical Data. Medical Care, 2012, 50, S49-S59.	2.4	44

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19	Incorporating collaboratory concepts into informatics in support of translational interdisciplinary biomedical research. International Journal of Medical Informatics, 2009, 78, 10-21.	3.3	43
20	Implementation of a deidentified federated data network for population-based cohort discovery. Journal of the American Medical Informatics Association: JAMIA, 2012, 19, e60-e67.	4.4	40
21	A model for incorporating patient and stakeholder voices in a learning health care network: Washington State's Comparative Effectiveness Research Translation Network. Journal of Clinical Epidemiology, 2013, 66, S122-S129.	5.0	40
22	Availability of Structured and Unstructured Clinical Data for Comparative Effectiveness Research and Quality Improvement: A Multi-Site Assessment. EGEMS (Washington, DC), 2017, 2, 11.	2.0	40
23	Automating Construction of Machine Learning Models With Clinical Big Data: Proposal Rationale and Methods. JMIR Research Protocols, 2017, 6, e175.	1.0	38
24	On the persistence of supplementary resources in biomedical publications. BMC Bioinformatics, 2006, 7, 260.	2.6	37
25	Refining the structure and content of clinical genomic reports. American Journal of Medical Genetics, Part C: Seminars in Medical Genetics, 2014, 166, 85-92.	1.6	37
26	Implementation of a â€œreal-worldâ€•learning health care system: Washington state's Comparative Effectiveness Research Translation Network (CERTAIN). Surgery, 2014, 155, 860-866.	1.9	37
27	Amniotic Fluid Infection, Cytokines, and Adverse Outcome Among Infants at 34 WeeksÊ¼ Gestation or Less. Obstetrics and Gynecology, 2001, 98, 1080-1088.	2.4	36
28	The Effect of Point-of-Care Personal Digital Assistant Use on Resident Documentation Discrepancies. Pediatrics, 2004, 113, 450-454.	2.1	35
29	Leaf: an open-source, model-agnostic, data-driven web application for cohort discovery and translational biomedical research. Journal of the American Medical Informatics Association: JAMIA, 2020, 27, 109-118.	4.4	35
30	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
31	Prescriber and staff perceptions of an electronic prescribing system in primary care: a qualitative assessment. BMC Medical Informatics and Decision Making, 2010, 10, 72.	3.0	27
32	Making pharmacogenomic-based prescribing alerts more effective: A scenario-based pilot study with physicians. Journal of Biomedical Informatics, 2015, 55, 249-259.	4.3	27
33	Surfactant replacement increases compliance in premature lamb lungs during partial liquid ventilation in situ. Journal of Applied Physiology, 1998, 84, 1316-1322.	2.5	26
34	Development of clinical decision support alerts for pharmacogenomic incidental findings from exome sequencing. Genetics in Medicine, 2015, 17, 939-942.	2.4	25
35	Developing a Prototype System for Integrating Pharmacogenomics Findings into Clinical Practice. Journal of Personalized Medicine, 2012, 2, 241-256.	2.5	23
36	Practical considerations for implementing genomic information resources. Applied Clinical Informatics, 2016, 07, 870-882.	1.7	21

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37	Preparing Electronic Clinical Data for Quality Improvement and Comparative Effectiveness Research: The SCOAP CERTAIN Automation and Validation Project. EGEMS (Washington, DC), 2017, 1, 16.	2.0	19
38	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
39	Comparative effectiveness of next generation genomic sequencing for disease diagnosis: Design of a randomized controlled trial in patients with colorectal cancer/polyposis syndromes. Contemporary Clinical Trials, 2014, 39, 1-8.	1.8	17
40	Gravitational effects on volume distribution in a model of partial and total liquid ventilation. Respiration Physiology, 2000, 120, 125-138.	2.7	16
41	Physician perspectives of CYP2C19 and clopidogrel drug-gene interaction active clinical decision support alerts. International Journal of Medical Informatics, 2016, 86, 117-125.	3.3	16
42	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
43	The BioMediator system as a data integration tool to answer diverse biologic queries. Studies in Health Technology and Informatics, 2004, 107, 768-72.	0.3	14
44	Identifying Patients Who Are Likely to Receive Most of Their Care From a Specific Health Care System: Demonstration via Secondary Analysis. JMIR Medical Informatics, 2018, 6, e12241.	2.6	12
45	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
46	Integrating and Ranking Uncertain Scientific Data. Proceedings - International Conference on Data Engineering, 2009, , .	0.0	11
47	A Nationwide Survey of Trauma Center Information Technology Leverage Capacity for Mental Health Comorbidity Screening. Journal of the American College of Surgeons, 2014, 219, 505-510.e1.	0.5	11
48	Pragmatic and Ethical Challenges of Incorporating the Genome into the Electronic Health Record. Current Genetic Medicine Reports, 2014, 2, 201-211.	1.9	10
49	Sustainability considerations for clinical and translational research informatics infrastructure. Journal of Clinical and Translational Science, 2018, 2, 267-275.	0.6	10
50	Achieving and Sustaining Automated Health Data Linkages for Learning Systems: Barriers and Solutions. EGEMS (Washington, DC), 2017, 2, 3.	2.0	10
51	Automating Electronic Clinical Data Capture for Quality Improvement and Research: The CERTAIN Validation Project of Real World Evidence. EGEMS (Washington, DC), 2018, 6, 8.	2.0	9
52	BIOMEDIATOR DATA INTEGRATION AND INFERENCE FOR FUNCTIONAL ANNOTATION OF ANONYMOUS SEQUENCES. , 2006, , .		9
53	A Template for Authoring and Adapting Genomic Medicine Content in the eMERGE Infobutton Project. AMIA ... Annual Symposium proceedings, 2014, 2014, 944-53.	0.2	9
54	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

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55	Bio*Medical informatics and genomic medicine: Research and training. Journal of Biomedical Informatics, 2007, 40, 1-4.	4.3	8
56	Automating Data Abstraction in a Quality Improvement Platform for Surgical and Interventional Procedures. EGEMS (Washington, DC), 2017, 2, 17.	2.0	8
57	A Novel Food Record App for Dietary Assessments Among Older Adults With Type 2 Diabetes: Development and Usability Study. JMIR Formative Research, 2021, 5, e14760.	1.4	7
58	Clinical exome sequencing vs. usual care for hereditary colorectal cancer diagnosis: A pilot comparative effectiveness study. Contemporary Clinical Trials, 2019, 84, 105820.	1.8	6
59	Design Recommendations for Pharmacogenomics Clinical Decision Support Systems. AMIA Summits on Translational Science Proceedings, 2017, 2017, 237-246.	0.4	6
60	Validating Annotations for Uncharacterized Proteins in Shewanella oneidensis. OMICS A Journal of Integrative Biology, 2008, 12, 211-215.	2.0	5
61	Topics in Neonatal Informatics. NeoReviews, 2012, 13, e281-e284.	0.8	5
62	Modeling the costs of clinical decision support for genomic precision medicine. AMIA Summits on Translational Science Proceedings, 2016, 2016, 60-4.	0.4	5
63	Novel informatics approaches to COVID-19 Research: From methods to applications. Journal of Biomedical Informatics, 2022, 129, 104028.	4.3	5
64	Deriving rules and assertions from pharmacogenomics knowledge resources in support of patient drug metabolism efficacy predictions. Journal of the American Medical Informatics Association: JAMIA, 2012, 19, 840-850.	4.4	4
65	Implementation of pharmacogenomic clinical decision support for health systems: a cost-utility analysis. Pharmacogenomics Journal, 2022, 22, 188-197.	2.0	4
66	Evaluation of probabilistic and logical inference for a SNP annotation system. Journal of Biomedical Informatics, 2010, 43, 407-418.	4.3	3
67	Supporting retrieval of diverse biomedical data using evidence-aware queries. Journal of Biomedical Informatics, 2010, 43, 873-882.	4.3	3
68	Consumer Health Information on the Internet. Journal of the American Medical Informatics Association: JAMIA, 2002, 9, 402-403.	4.4	3
69	NICU-Net: An Electronic Forum for Neonatology. Pediatrics, 1996, 97, 398-399.	2.1	3
70	Evaluating the accuracy of a functional SNP annotation system. BMC Bioinformatics, 2009, 10, S11.	2.6	2
71	Characterizing Data Discovery and End-User Computing Needs in Clinical Translational Science. Journal of Organizational and End User Computing, 2011, 23, 17-30.	2.9	2
72	Learning virulent proteins from integrated query networks. BMC Bioinformatics, 2012, 13, 321.	2.6	2

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73	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. JMIR Formative Research, 2021, 5, e26314.	1.4	2
74	An Evaluation of Functional and User Interface Requirements for Pharmacogenomic Clinical Decision Support. , 2011, , .		1
75	On the Reachability of Trustworthy Information from Integrated Exploratory Biological Queries. Lecture Notes in Computer Science, 2009, , 55-70.	1.3	1
76	Characterizing Secondary Use of Clinical Data. AMIA Summits on Translational Science Proceedings, 2015, 2015, 92-6.	0.4	1
77	Neonatology. JAMA - Journal of the American Medical Association, 1994, 271, 1682.	7.4	0
78	Selected proceedings of the 2010 Summit on Translational Bioinformatics. BMC Bioinformatics, 2010, 11, S1.	2.6	0
79	Increasing the Efficiency and Quality of Clinical Research with Innovative Services and Informatics Tools. Translational Research in Biomedicine, 2012, , 89-97.	0.4	0
80	Evaluation of Therapeutic Recommendations, Database Management, and Information Retrieval. , 2012, , 10-17.		0
81	Biomedical Informatics in Neonatology. , 2018, , 11-19.e2.		0
82	Personalized Medicine Implementation with Non-traditional Data Sources: A Conceptual Framework and Survey of the Literature. Yearbook of Medical Informatics, 2019, 28, 181-189.	1.0	0
83	Evaluation of Therapeutic Recommendations, Database Management, and Information Retrieval. , 2005, , 9-16.		0
84	Characterizing Data Discovery and End-User Computing Needs in Clinical Translational Science. , 0, , 301-313.		0