Casey Lynnette Overby

List of Publications by Year
in descending order

51 papers	1,237 citations	430874 18 h-index	395702 33 g-index
54 all docs	54 docs citations	54 times ranked	2074 citing authors

#	Article	IF	Citations
1	The CLIPMERGE PGx Program: Clinical Implementation of Personalized Medicine Through Electronic Health Records and Genomicsâ€“Pharmacogenomics. Clinical Pharmacology and Therapeutics, 2013, 94, 214-217.	4.7	144
2	Harmonizing Clinical Sequencing and Interpretation for the eMERGE III Network. American Journal of Human Genetics, 2019, 105, 588-605.	6.2	99
3	Implementation of pharmacogenetics: The University of Maryland personalized antiâ€platelet pharmacogenetics program. American Journal of Medical Genetics, Part C: Seminars in Medical Genetics, 2014, 166, 76-84.	1.6	82
4	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
5	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
6	Opportunities for genomic clinical decision support interventions. Genetics in Medicine, 2013, 15, 817-823.	2.4	63
7	A collaborative approach to developing an electronic health record phenotyping algorithm for drug-induced liver injury. Journal of the American Medical Informatics Association: JAMIA, 2013, 20, e243-e252.	4.4	63
8	Inverting the model of genomics data sharing with the NHGRI Genomic Data Science Analysis, Visualization, and Informatics Lab-space. Cell Genomics, 2022, 2, 100085.	6.5	59
9	Personalized medicine: challenges and opportunities for translational bioinformatics. Personalized Medicine, 2013, 10, 453-462.	1.5	57
10	Fast Healthcare Interoperability Resources (FHIR) as a Meta Model to Integrate Common Data Models: Development of a Tool and Quantitative Validation Study. JMIR Medical Informatics, 2019, 7, e15199.	2.6	50
11	Feasibility of incorporating genomic knowledge into electronic medical records for pharmacogenomic clinical decision support. BMC Bioinformatics, 2010, 11, S10.	2.6	45
12	Physician Attitudes toward Adopting Genome-Guided Prescribing through Clinical Decision Support. Journal of Personalized Medicine, 2014, 4, 35-49.	2.5	43
13	Practical considerations in genomic decision support: The eMERGE experience. Journal of Pathology Informatics, 2015, 6, 50.	1.7	42
14	Genomic Information for Clinicians in the Electronic Health Record: Lessons Learned From the Clinical Genome Resource Project and the Electronic Medical Records and Genomics Network. Frontiers in Genetics, 2019, 10, 1059.	2.3	40
15	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
16	Developing a Prototype System for Integrating Pharmacogenomics Findings into Clinical Practice. Journal of Personalized Medicine, 2012, 2, 241-256.	2.5	23
17	Feature engineering with clinical expert knowledge: A case study assessment of machine learning model complexity and performance. PLoS ONE, 2020, 15, e0231300.	2.5	22
18	Integrating Genomic Resources with Electronic Health Records using the HL7 Infobutton Standard. Applied Clinical Informatics, 2016, 07, 817-831.	1.7	21

#	Article	IF	Citations
19	Practical considerations for implementing genomic information resources. Applied Clinical Informatics, 2016, 07, 870-882.	1.7	21
20	Empowering genomic medicine by establishing critical sequencing result data flows: the eMERGE example. Journal of the American Medical Informatics Association: JAMIA, 2018, 25, 1375-1381.	4.4	21
21	Clinical Data: Sources and Types, Regulatory Constraints, Applications. Clinical and Translational Science, 2019, 12, 329-333.	3.1	20
22	User-centered design of multi-gene sequencing panel reports for clinicians. Journal of Biomedical Informatics, 2016, 63, 1-10.	4.3	18
23	Providing Access to Genomic Variant Knowledge in a Healthcare Setting: A Vision for the ClinGen Electronic Health Records Workgroup. Clinical Pharmacology and Therapeutics, 2016, 99, 157-160.	4.7	15
24	Genomic considerations for FHIRÂ®; eMERGE implementation lessons. Journal of Biomedical Informatics, 2021, 118, 103795.	4.3	15
25	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
26	Prioritizing Approaches to Engage Community Members and Build Trust in Biobanks: A Survey of Attitudes and Opinions of Adults within Outpatient Practices at the University of Maryland. Journal of Personalized Medicine, 2015, 5, 264-279.	2.5	14
27	The Association between Use of a Clinical Decision Support Tool and Adherence to Monitoring for Medication-Laboratory Guidelines in the Ambulatory Setting. Applied Clinical Informatics, 2013, 04, 476-498.	1.7	9
28	Estimating heritability of drug-induced liver injury from common variants and implications for future study designs. Scientific Reports, 2015, 4, 5762.	3.3	8
29	Evaluation considerations for EHR-based phenotyping algorithms: A case study for drug-induced liver injury. AMIA Summits on Translational Science Proceedings, 2013, 2013, 130-4.	0.4	7
30	e-PKGene: A knowledge-based research tool for analysing the impact of genetics on drug exposure. Human Genomics, 2011, 5, 506.	2.9	5
31	Cancer Genetic Counselor Information Needs for Risk Communication: A Qualitative Evaluation of Interview Transcripts. Journal of Personalized Medicine, 2013, 3, 238-250.	2.5	5
32	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
33	The genomic CDS sandbox: An assessment among domain experts. Journal of Biomedical Informatics, 2016, 60, 84-94.	4.3	4
34	Recurrent preterm birth risk assessment for two delivery subtypes: A multivariable analysis. Journal of the American Medical Informatics Association: JAMIA, 2021, , .	4.4	4
35	Willingness to Share Wearable Device Data for Research Among Mechanical Turk Workers: Web-Based Survey Study. Journal of Medical Internet Research, 2021, 23, e19789.	4.3	4
36	A research agenda to support the development and implementation of genomics-based clinical informatics tools and resources. Journal of the American Medical Informatics Association: JAMIA, 2022, 29, 1342-1349.	4.4	4

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37	Infobuttons for Genomic Medicine: Requirements and Barriers. Applied Clinical Informatics, 2021, 12, 383-390.	1.7	3
38	Preferences for Updates on General Research Results: A Survey of Participants in Genomic Research from Two Institutions. Journal of Personalized Medicine, 2021, 11, 399.	2.5	3
39	Neptune: an environment for the delivery of genomic medicine. Genetics in Medicine, 2021, 23, 1838-1846.	2.4	3
40	Extracting Biomedical Terms from Postpartum Depression Online Health Communities. AMIA Summits on Translational Science Proceedings, 2019, 2019, 592-601.	0.4	2
41	Comorbidity Characterization Among eMERGE Institutions: A Pilot Evaluation with the Johns Hopkins Adjusted Clinical GroupsÂ® System. AMIA Summits on Translational Science Proceedings, 2019, 2019, 145-152.	0.4	2
42	An Evaluation of Functional and User Interface Requirements for Pharmacogenomic Clinical Decision Support. , 2011, , .		1
43	The Genomic Medical Record and Omic Ancillary Systems. Computers in Health Care, 2020, , 253-275.	0.3	1
44	Detecting Patterns of Prescription Drug Use During Pregnancy and Lactation with Visualization Techniques. AMIA Summits on Translational Science Proceedings, 2019, 2019, 478-487.	0.4	1
45	Exploiting HPO to Predict a Ranked List of Phenotype Categories for LiverTox Case Reports. Lecture Notes in Computer Science, 2017, , 3-9.	1.3	0
46	Identifying Symptom Clusters in Women Experiencing Preterm Birth. , 2018, , .		0
47	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
48	Facilitating Genetics Aware Clinical Decision Support: Putting the eMERGE Infrastructure into Practice. ACI Open, 2021, 05, e54-e58.	0.5	0
49	Combining Multiple Knowledge Sources: A Case Study of Drug Induced Liver Injury. Lecture Notes in Computer Science, 2015, , 3-12.	1.3	0
50	The potential for automated question answering in the context of genomic medicine: An assessment of existing resources and properties of answers. Summit on Translational Bioinformatics, 2009, 2009, 1-25.	0.7	0
51	334 Web-based Methods for Family Health History Collection. Journal of Clinical and Translational Science, 2022, 6, 61-61.	0.6	0