Shaun J Grannis

List of Publications by Year
in descending order

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87	2,520	279798	223800
papers	citations	23 h-index	46 g-index

98	98	98	2664
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effectiveness of Covid-19 Vaccines in Ambulatory and Inpatient Care Settings. New England Journal of Medicine, 2021, 385, 1355-1371.	27.0	353
2	Implementing Syndromic Surveillance: A Practical Guide Informed by the Early Experience. Journal of the American Medical Informatics Association: JAMIA, 2003, 11, 141-150.	4.4	325
3	A Comparison of the Completeness and Timeliness of Automated Electronic Laboratory Reporting and Spontaneous Reporting of Notifiable Conditions. American Journal of Public Health, 2008, 98, 344-350.	2.7	161
4	Privacy Protection Versus Cluster Detection in Spatial Epidemiology. American Journal of Public Health, 2006, 96, 2002-2008.	2.7	90
5	A Context-sensitive Approach to Anonymizing Spatial Surveillance Data: Impact on Outbreak Detection. Journal of the American Medical Informatics Association: JAMIA, 2006, 13, 160-165.	4.4	81
6	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.	4.4	68
7	Assessing the capacity of social determinants of health data to augment predictive models identifying patients in need of wraparound social services. Journal of the American Medical Informatics Association: JAMIA, 2018, 25, 47-53.	4.4	63
8	Incorporating Geospatial Capacity within Clinical Data Systems to Address Social Determinants of Health. Public Health Reports, 2011, 126, 54-61.	2.5	62
9	Leveraging data visualization and a statewide health information exchange to support COVID-19 surveillance and response: Application of public health informatics. Journal of the American Medical Informatics Association: JAMIA, 2021, 28, 1363-1373.	4.4	57
10	The long road to semantic interoperability in support of public health: Experiences from two states. Journal of Biomedical Informatics, 2014, 49, 3-8.	4.3	55
11	The Indiana Network for Patient Care. Journal of Public Health Management and Practice, 2004, 10, S81-S86.	1.4	53
12	Using structured and unstructured data to identify patientsâ€™ need for services that address the social determinants of health. International Journal of Medical Informatics, 2017, 107, 101-106.	3.3	52
13	Electronic Health Information Quality Challenges and Interventions to Improve Public Health Surveillance Data and Practice. Public Health Reports, 2013, 128, 546-553.	2.5	48
14	All health care is not local: an evaluation of the distribution of Emergency Department care delivered in Indiana. AMIA ... Annual Symposium proceedings, 2011, 2011, 409-16.	0.2	48
15	The Indiana network for patient care: an integrated clinical information system informed by over thirty years of experience. Journal of Public Health Management and Practice, 2004, Suppl, S81-6.	1.4	46
16	Analysis of a probabilistic record linkage technique without human review. AMIA ... Annual Symposium proceedings, 2003, , 259-63.	0.2	45
17	An Empiric Modification to the Probabilistic Record Linkage Algorithm Using Frequency-Based Weight Scaling. Journal of the American Medical Informatics Association: JAMIA, 2009, 16, 738-745.	4.4	44
18	Analysis of identifier performance using a deterministic linkage algorithm. Proceedings, 2002, , 305-9.	0.6	43

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19	Impact of Risk Stratification on Referrals and Uptake of Wraparound Services That Address Social Determinants: A Stepped Wedged Trial. American Journal of Preventive Medicine, 2019, 56, e125-e133.	3.0	39
20	The effects of state rules on opioid prescribing in Indiana. BMC Health Services Research, 2018, 18, 29.	2.2	34
21	Electronic laboratory data quality and the value of a health information exchange to support public health reporting processes. AMIA ... Annual Symposium proceedings, 2011, 2011, 322-30.	0.2	33
22	Leveraging Health Information Exchange to Support Public Health Situational Awareness: The Indiana Experience. Online Journal of Public Health Informatics, 2010, 2, .	0.7	29
23	Evaluating the effect of data standardization and validation on patient matching accuracy. Journal of the American Medical Informatics Association: JAMIA, 2019, 26, 447-456.	4.4	28
24	Measuring the impact of a health information exchange intervention on provider-based notifiable disease reporting using mixed methods: a study protocol. BMC Medical Informatics and Decision Making, 2013, 13, 121.	3.0	23
25	Identification of Patients in Need of Advanced Care for Depression Using Data Extracted From a Statewide Health Information Exchange: A Machine Learning Approach. Journal of Medical Internet Research, 2019, 21, e13809.	4.3	23
26	Real world performance of approximate string comparators for use in patient matching. Studies in Health Technology and Informatics, 2004, 107, 43-7.	0.3	23
27	Notifiable condition reporting practices: implications for public health agency participation in a health information exchange. BMC Public Health, 2017, 17, 247.	2.9	22
28	Infection preventionists' awareness of and engagement in health information exchange to improve public health surveillance. American Journal of Infection Control, 2013, 41, 787-792.	2.3	21
29	Towards public health decision support: a systematic review of bidirectional communication approaches. Journal of the American Medical Informatics Association: JAMIA, 2013, 20, 577-583.	4.4	21
30	A practical method for predicting frequent use of emergency department care using routinely available electronic registration data. BMC Emergency Medicine, 2016, 16, 12.	1.9	21
31	Toward better public health reporting using existing off the shelf approaches: A comparison of alternative cancer detection approaches using plaintext medical data and non-dictionary based feature selection. Journal of Biomedical Informatics, 2016, 60, 145-152.	4.3	21
32	Generating Synthetic Syndromic-Surveillance Data for Evaluating Visual-Analytics Techniques. IEEE Computer Graphics and Applications, 2009, 29, 18-28.	1.2	20
33	Completeness and timeliness of notifiable disease reporting: a comparison of laboratory and provider reports submitted to a large county health department. BMC Medical Informatics and Decision Making, 2017, 17, 87.	3.0	20
34	Characterizing Informatics Roles and Needs of Public Health Workers. Journal of Public Health Management and Practice, 2015, 21, S130-S140.	1.4	18
35	Exploring perceptions and experiences of patients who have chronic pain as state prescription opioid policies change: a qualitative study in Indiana. BMJ Open, 2017, 7, e015083.	1.9	18
36	Development and Assessment of a Public Health Alert Delivered through a Community Health Information Exchange. Online Journal of Public Health Informatics, 2010, 2, .	0.7	17

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37	Estimating Increased Electronic Laboratory Reporting Volumes for Meaningful Use: Implications for the Public Health Workforce. Online Journal of Public Health Informatics, 2014, 5, 225.	0.7	17
38	LAHVA: Linked Animal-Human Health Visual Analytics. , 2007, , .		16
39	Toward better public health reporting using existing off the shelf approaches: The value of medical dictionaries in automated cancer detection using plaintext medical data. Journal of Biomedical Informatics, 2017, 69, 160-176.	4.3	16
40	Understanding syndromic hotspots - a visual analytics approach. , 2008, , .		14
41	The Building Blocks of Inter-operability. Applied Clinical Informatics, 2017, 08, 322-336.	1.7	14
42	The synchronicity of COVID-19 disparities: Statewide epidemiologic trends in SARS-CoV-2 morbidity, hospitalization, and mortality among racial minorities and in rural America. PLoS ONE, 2021, 16, e0255063.	2.5	14
43	A practical approach for incorporating dependence among fields in probabilistic record linkage. BMC Medical Informatics and Decision Making, 2013, 13, 97.	3.0	13
44	How disease surveillance systems can serve as practical building blocks for a health information infrastructure: the Indiana experience. AMIA ... Annual Symposium proceedings, 2005, , 286-90.	0.2	13
45	Impact of selective mapping strategies on automated laboratory result notification to public health authorities. AMIA ... Annual Symposium proceedings, 2012, 2012, 228-36.	0.2	13
46	Evaluation of a clinical decision support algorithm for patient-specific childhood immunization. Artificial Intelligence in Medicine, 2012, 56, 51-57.	6.5	12
47	The Indiana Public Health Emergency Surveillance System: ongoing progress, early findings, and future directions. AMIA ... Annual Symposium proceedings, 2006, , 304-8.	0.2	12
48	Practical challenges in the secondary use of real-world data: the notifiable condition detector. AMIA ... Annual Symposium proceedings, 2011, 2011, 402-8.	0.2	12
49	Evaluating latent class models with conditional dependence in record linkage. Statistics in Medicine, 2014, 33, 4250-4265.	1.6	11
50	Underrepresented racial minorities in biomedical informatics doctoral programs: graduation trends and academic placement (2002â€“2017). Journal of the American Medical Informatics Association: JAMIA, 2020, 27, 1641-1647.	4.4	11
51	Leveraging Health Information Exchange to Improve Population Health Reporting Processes: Lessons in Using a Collaborative-Participatory Design Process. EGEMS (Washington, DC), 2017, 2, 12.	2.0	11
52	Precision Healthâ€“Enabled Machine Learning to Identify Need for Wraparound Social Services Using Patient- and Population-Level Data Sets: Algorithm Development and Validation. JMIR Medical Informatics, 2020, 8, e16129.	2.6	11
53	Effectiveness of two-dose vaccination with mRNA COVID-19 vaccines against COVID-19â€“associated hospitalizations among immunocompromised adultsâ€”Nine States, Januaryâ€“September 2021. American Journal of Transplantation, 2022, 22, 306-314.	4.7	11
54	Regenstrief Medical Informatics. , 2014, , 165-187.		10

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55	Getting from here to there: health IT needs for population health. American Journal of Managed Care, 2016, 22, 827-829.	1.1	9
56	Client Registries. , 2016, , 163-182.		8
57	Public Health Informatics Infrastructure. Computers in Health Care, 2014, , 69-88.	0.3	8
58	Incorporating conditional dependence in latent class models for probabilistic record linkage: Does it matter?. Annals of Applied Statistics, 2019, 13, .	1.1	8
59	Healthcare Data Visualization: Geospatial and Temporal Integration. , 2016, , .		8
60	Universal Patient Identifier and Interoperability for Detection of Serious Drug Interactions: Retrospective Study. JMIR Medical Informatics, 2020, 8, e23353.	2.6	8
61	An evaluation of the rates of repeat notifiable disease reporting and patient crossover using a health information exchange-based automated electronic laboratory reporting system. AMIA ... Annual Symposium proceedings, 2012, 2012, 1229-36.	0.2	8
62	Predicting Emergency Department Visits. AMIA Summits on Translational Science Proceedings, 2016, 2016, 438-45.	0.4	8
63	Optimal two-phase sampling design for comparing accuracies of two binary classification rules. Statistics in Medicine, 2014, 33, 500-513.	1.6	7
64	A comparison between physicians and computer algorithms for form CMSâ€2728 data reporting. Hemodialysis International, 2017, 21, 117-124.	0.9	7
65	Predicting COVID-19â€“Related Health Care Resource Utilization Across a Statewide Patient Population: Model Development Study. Journal of Medical Internet Research, 2021, 23, e31337.	4.3	7
66	The Last Mile: Using Fax Machines to Exchange Data between Clinicians and Public Health. Online Journal of Public Health Informatics, 2011, 3, .	0.7	7
67	Dashboards Are Trendy, Visible Components of Data Management in Public Health: Sustaining Their Use After the Pandemic Requires a Broader View. American Journal of Public Health, 2022, 112, 900-903.	2.7	7
68	Better patient identification could help fight the coronavirus. Npj Digital Medicine, 2020, 3, 83.	10.9	6
69	Improving Notifiable Disease Case Reporting Through Electronic Information Exchangeâ€“Facilitated Decision Support: A Controlled Before-and-After Trial. Public Health Reports, 2020, 135, 401-410.	2.5	6
70	Automated linkage of patient records from disparate sources. Statistical Methods in Medical Research, 2018, 27, 172-184.	1.5	5
71	Alliances to disseminate addiction prevention and treatment (ADAPT): A statewide learning health system to reduce substance use among justice-involved youth in rural communities. Journal of Substance Abuse Treatment, 2021, 128, 108368.	2.8	5
72	Information Infrastructure to Support Public Health. Computers in Health Care, 2020, , 83-104.	0.3	5

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73	Capturing COVID-19â€“Like Symptoms at Scale Using Banner Ads on an Online News Platform: Pilot Survey Study. Journal of Medical Internet Research, 2021, 23, e24742.	4.3	5
74	Variation in information needs and quality: implications for public health surveillance and biomedical informatics. AMIA ... Annual Symposium proceedings, 2013, 2013, 670-9.	0.2	5
75	Generalization of Machine Learning Approaches to Identify Notifiable Conditions from a Statewide Health Information Exchange. AMIA Summits on Translational Science Proceedings, 2020, 2020, 152-161.	0.4	5
76	A simple two-step procedure using the Fellegiâ€“Sunter model for frequency-based record linkage. Journal of Applied Statistics, 2022, 49, 2789-2804.	1.3	4
77	Evaluation of real-world referential and probabilistic patient matching to advance patient identification strategy. Journal of the American Medical Informatics Association: JAMIA, 2022, 29, 1409-1415.	4.4	3
78	Spirometry use in patients with sickle cell disease with and without asthma and acute chest syndrome: A multicenter study. EJHaem, 2020, 1, 239-242.	1.0	2
79	Evaluation of a Parsimonious COVID-19 Outbreak Prediction Model: Heuristic Modeling Approach Using Publicly Available Data Sets. Journal of Medical Internet Research, 2021, 23, e28812.	4.3	2
80	Public Health Informatics. , 2016, , 501-520.		2
81	Machine Learning Approaches to Identify Nicknames from A Statewide Health Information Exchange. AMIA Summits on Translational Science Proceedings, 2019, 2019, 639-647.	0.4	2
82	Reviewing and managing syndromic surveillance SaTScan datasets using an open source data visualization tool. AMIA ... Annual Symposium proceedings, 2005, , 967.	0.2	1
83	Health Information Exchange and Interoperability. , 2022, , 203-219.		1
84	Response to letter to the Editor on â€œAssessing the capacity of social determinants of health data to augment predictive models identifying patients in need of wraparound social servicesâ€: Journal of the American Medical Informatics Association: JAMIA, 2018, 25, 1108-1108.	4.4	0
85	Generative Adversarial Networks for Creating Synthetic Free-Text Medical Data: A Proposal for Collaborative Research and Re-use of Machine Learning Models. AMIA Summits on Translational Science Proceedings, 2021, 2021, 335-344.	0.4	0
86	Daily Visualization of Statewide COVID-19 Healthcare Data. , 2020, , .		0
87	Patient-Centered Data Home: A Path Towards National Interoperability. Frontiers in Digital Health, 0, 4, .	2.8	0