

Yizhao Ni

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

1,218
citations

394286

19
h-index

414303

32
g-index

58
all docs

58
docs citations

58
times ranked

1916
citing authors

#	ARTICLE	IF	CITATIONS
1	Desiderata for computable representations of electronic health records-driven phenotype algorithms. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2015, 22, 1220-1230.	2.2	110
2	Harmonizing Clinical Sequencing and Interpretation for the eMERGE III Network. <i>American Journal of Human Genetics</i> , 2019, 105, 588-605.	2.6	99
3	Automated clinical trial eligibility prescreening: increasing the efficiency of patient identification for clinical trials in the emergency department. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2015, 22, 166-178.	2.2	83
4	Increasing the efficiency of trial-patient matching: automated clinical trial eligibility Pre-screening for pediatric oncology patients. <i>BMC Medical Informatics and Decision Making</i> , 2015, 15, 28.	1.5	82
5	Developing and evaluating a machine learning based algorithm to predict the need of pediatric intensive care unit transfer for newly hospitalized children. <i>Resuscitation</i> , 2014, 85, 1065-1071.	1.3	72
6	Kernel regression for fMRI pattern prediction. <i>NeuroImage</i> , 2011, 56, 662-673.	2.1	69
7	Electronic Health Record Based Algorithm to Identify Patients with Autism Spectrum Disorder. <i>PLoS ONE</i> , 2016, 11, e0159621.	1.1	59
8	Phenotyping for patient safety: algorithm development for electronic health record based automated adverse event and medical error detection in neonatal intensive care. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2014, 21, 776-784.	2.2	48
9	DeepImmuno: deep learning-empowered prediction and generation of immunogenic peptides for T-cell immunity. <i>Briefings in Bioinformatics</i> , 2021, 22, .	3.2	48
10	Automatic Chord Estimation from Audio: A Review of the State of the Art. <i>IEEE/ACM Transactions on Audio Speech and Language Processing</i> , 2014, 22, 556-575.	4.0	47
11	Developing an Algorithm to Detect Early Childhood Obesity in Two Tertiary Pediatric Medical Centers. <i>Applied Clinical Informatics</i> , 2016, 07, 693-706.	0.8	39
12	A Real-Time Automated Patient Screening System for Clinical Trials Eligibility in an Emergency Department: Design and Evaluation. <i>JMIR Medical Informatics</i> , 2019, 7, e14185.	1.3	37
13	An End-to-End Machine Learning System for Harmonic Analysis of Music. <i>IEEE Transactions on Audio Speech and Language Processing</i> , 2012, 20, 1771-1783.	3.8	35
14	An end-to-end hybrid algorithm for automated medication discrepancy detection. <i>BMC Medical Informatics and Decision Making</i> , 2015, 15, 37.	1.5	33
15	Preparing an annotated gold standard corpus to share with extramural investigators for de-identification research. <i>Journal of Biomedical Informatics</i> , 2014, 50, 173-183.	2.5	29
16	Automated detection of medication administration errors in neonatal intensive care. <i>Journal of Biomedical Informatics</i> , 2015, 57, 124-133.	2.5	27
17	Understanding Effects of Subjectivity in Measuring Chord Estimation Accuracy. <i>IEEE Transactions on Audio Speech and Language Processing</i> , 2013, 21, 2607-2615.	3.8	25
18	Designing and evaluating an automated system for real-time medication administration error detection in a neonatal intensive care unit. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2018, 25, 555-563.	2.2	24

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19	Towards phenotyping stroke: Leveraging data from a large-scale epidemiological study to detect stroke diagnosis. PLoS ONE, 2018, 13, e0192586.	1.1	24
20	The Effect of Inversion at 8p23 on BLK Association with Lupus in Caucasian Population. PLoS ONE, 2014, 9, e115614.	1.1	23
21	Finding warning markers: Leveraging natural language processing and machine learning technologies to detect risk of school violence. International Journal of Medical Informatics, 2020, 139, 104137.	1.6	22
22	Will they participate? Predicting patients' response to clinical trial invitations in a pediatric emergency department. Journal of the American Medical Informatics Association: JAMIA, 2016, 23, 671-680.	2.2	21
23	Mining patient-specific and contextual data with machine learning technologies to predict cancellation of children's surgery. International Journal of Medical Informatics, 2019, 129, 234-241.	1.6	21
24	Influences of environmental exposures on individuals living with cystic fibrosis. Expert Review of Respiratory Medicine, 2020, 14, 737-748.	1.0	19
25	Automated detection of substance use information from electronic health records for a pediatric population. Journal of the American Medical Informatics Association: JAMIA, 2021, 28, 2116-2127.	2.2	14
26	Leveraging Food and Drug Administration Adverse Event Reports for the Automated Monitoring of Electronic Health Records in a Pediatric Hospital. Biomedical Informatics Insights, 2017, 9, 117822261771301.	4.6	13
27	Data Challenges With Real-Time Safety Event Detection And Clinical Decision Support. Journal of Medical Internet Research, 2019, 21, e13047.	2.1	12
28	Using Health Information Technology to Improve Safety in Neonatal Care. Clinics in Perinatology, 2017, 44, 583-616.	0.8	11
29	Quantitative disease risk scores from EHR with applications to clinical risk stratification and genetic studies. Npj Digital Medicine, 2021, 4, 116.	5.7	7
30	Understanding Pediatric Surgery Cancellation: Geospatial Analysis. Journal of Medical Internet Research, 2021, 23, e26231.	2.1	7
31	Integrating and Evaluating the Data Quality and Utility of Smart Pump Information in Detecting Medication Administration Errors: Evaluation Study. JMIR Medical Informatics, 2020, 8, e19774.	1.3	6
32	Using Online Chord Databases to Enhance Chord Recognition. Journal of New Music Research, 2011, 40, 139-152.	0.6	5
33	Automated Risk Assessment for School Violence: a Pilot Study. Psychiatric Quarterly, 2018, 89, 817-828.	1.1	5
34	A Time-and-Motion Study of Clinical Trial Eligibility Screening in a Pediatric Emergency Department. Pediatric Emergency Care, 2018, Publish Ahead of Print, 868-873.	0.5	4
35	Machine Learning for Detection of Correct Peripherally Inserted Central Catheter Tip Position from Radiology Reports in Infants. Applied Clinical Informatics, 2021, 12, 856-863.	0.8	4
36	A Pilot Study on Developing a Standardized and Sensitive School Violence Risk Assessment with Manual Annotation. Psychiatric Quarterly, 2017, 88, 447-457.	1.1	3

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37	Natural Language Processing: Applications in Pediatric Research. <i>Translational Bioinformatics</i> , 2016, , 231-250.	0.0	3
38	A Comparison of Existing Methods to Detect Weight Data Errors in a Pediatric Academic Medical Center. <i>AMIA ... Annual Symposium proceedings</i> , 2018, 2018, 1103-1109.	0.2	3
39	Development and Preliminary Evaluation of a Visual Annotation Tool to Rapidly Collect Expert-Annotated Weight Errors in Pediatric Growth Charts. <i>Studies in Health Technology and Informatics</i> , 2019, 264, 853-857.	0.2	3
40	Kernel methods for fMRI pattern prediction. , 2008, , .		2
41	The application of structured learning in natural language processing. <i>Machine Translation</i> , 2010, 24, 71-85.	1.3	2
42	Natural Language Processing “ Overview and History. <i>Translational Bioinformatics</i> , 2016, , 203-230.	0.0	2
43	Seasonal variation of lung function in cystic fibrosis: Longitudinal modeling to compare a Midwest US cohort to international populations. <i>Science of the Total Environment</i> , 2021, 776, 145905.	3.9	2
44	Exploiting Long-Range Dependencies in Protein β -Sheet Secondary Structure Prediction. <i>Lecture Notes in Computer Science</i> , 2010, , 349-357.	1.0	2
45	The Generalizability of a Medication Administration Discrepancy Detection System: Quantitative Comparative Analysis. <i>JMIR Medical Informatics</i> , 2020, 8, e22031.	1.3	2
46	Gross motor function prediction using natural language processing in cerebral palsy. <i>Developmental Medicine and Child Neurology</i> , 2023, 65, 100-106.	1.1	2
47	Structure learning for natural language processing. , 2009, , .		1
48	Seasonality, mediation and comparison (SMAC) methods to identify influences on lung function decline. <i>MethodsX</i> , 2021, 8, 101313.	0.7	1
49	External validation and comparison of risk score models in pediatric heart transplants. <i>Pediatric Transplantation</i> , 2021, , e14204.	0.5	0
50	Development and Evaluation of an Automated Approach to Detect Weight Abnormalities in Pediatric Weight Charts.. <i>AMIA ... Annual Symposium proceedings</i> , 2021, 2021, 783-792.	0.2	0
51	User-Centered Evaluation of a Visual Annotation Tool for Rapid Assessment of Pediatric Weight Entry Errors. <i>Studies in Health Technology and Informatics</i> , 2022, , .	0.2	0