

Xiaoqian Jiang

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

90
papers

2,523
citations

26
h-index

48
g-index

117
ext. papers

3,487
ext. citations

6.4
avg, IF

5.53
L-index

#	Paper	IF	Citations
90	Deep learning for healthcare: review, opportunities and challenges. <i>Briefings in Bioinformatics</i> , 2018 , 19, 1236-1246	13.4	762
89	iDASH: integrating data for analysis, anonymization, and sharing. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2012 , 19, 196-201	8.6	114
88	Privacy-preserving SVM using nonlinear kernels on horizontally partitioned data 2006 ,		109
87	Grid Binary LOGistic REGression (GLORE): building shared models without sharing data. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2012 , 19, 758-64	8.6	107
86	Privacy-Preserving SVM Classification on Vertically Partitioned Data. <i>Lecture Notes in Computer Science</i> , 2006 , 647-656	0.9	96
85	Secure Logistic Regression Based on Homomorphic Encryption: Design and Evaluation. <i>JMIR Medical Informatics</i> , 2018 , 6, e19	3.6	71
84	Secure Outsourced Matrix Computation and Application to Neural Networks 2018 , 2018, 1209-1222		62
83	pSCANNER: patient-centered Scalable National Network for Effectiveness Research. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2014 , 21, 621-6	8.6	59
82	WebDISCO: a web service for distributed cox model learning without patient-level data sharing. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2015 , 22, 1212-9	8.6	58
81	Privacy-Preserving Patient Similarity Learning in a Federated Environment: Development and Analysis. <i>JMIR Medical Informatics</i> , 2018 , 6, e20	3.6	53
80	Calibrating predictive model estimates to support personalized medicine. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2012 , 19, 263-74	8.6	52
79	EXpectation Propagation LOGistic REGression (EXPLORER): distributed privacy-preserving online model learning. <i>Journal of Biomedical Informatics</i> , 2013 , 46, 480-96	10.2	47
78	Addressing Beacon re-identification attacks: quantification and mitigation of privacy risks. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2017 , 24, 799-805	8.6	43
77	A community assessment of privacy preserving techniques for human genomes. <i>BMC Medical Informatics and Decision Making</i> , 2014 , 14 Suppl 1, S1	3.6	37
76	HEALER: homomorphic computation of EXAct Logistic rEGression for secure rare disease variants analysis in GWAS. <i>Bioinformatics</i> , 2016 , 32, 211-8	7.2	37
75	PRINCESS: Privacy-protecting Rare disease International Network Collaboration via Encryption through Software guard extensionS. <i>Bioinformatics</i> , 2017 , 33, 871-878	7.2	36
74	FORESEE: Fully Outsourced secuRe gEnome Study basEd on homomorphic Encryption. <i>BMC Medical Informatics and Decision Making</i> , 2015 , 15 Suppl 5, S5	3.6	32

73	Privacy-preserving GWAS analysis on federated genomic datasets. <i>BMC Medical Informatics and Decision Making</i> , 2015 , 15 Suppl 5, S2	3.6	30
72	WebGLORE: a web service for Grid LOGistic REgression. <i>Bioinformatics</i> , 2013 , 29, 3238-40	7.2	30
71	Privacy-preserving heterogeneous health data sharing. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2013 , 20, 462-9	8.6	30
70	Federated Tensor Factorization for Computational Phenotyping. <i>KDD: Proceedings</i> , 2017 , 2017, 887-895	6.8	30
69	Protecting genomic data analytics in the cloud: state of the art and opportunities. <i>BMC Medical Genomics</i> , 2016 , 9, 63	3.7	30
68	Secure Multi-party Computation Grid LOGistic REgression (SMAC-GLORE). <i>BMC Medical Informatics and Decision Making</i> , 2016 , 16 Suppl 3, 89	3.6	27
67	SHARE: system design and case studies for statistical health information release. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2013 , 20, 109-16	8.6	26
66	Privacy technology to support data sharing for comparative effectiveness research: a systematic review. <i>Medical Care</i> , 2013 , 51, S58-65	3.1	26
65	A Predictive Model for Medical Events Based on Contextual Embedding of Temporal Sequences. <i>JMIR Medical Informatics</i> , 2016 , 4, e39	3.6	26
64	Lessons Learned for Online Health Community Moderator Roles: A Mixed-Methods Study of Moderators Resigning From WebMD Communities. <i>Journal of Medical Internet Research</i> , 2016 , 18, e247	7.6	25
63	DPSynthesizer: Differentially Private Data Synthesizer for Privacy Preserving Data Sharing. <i>Proceedings of the VLDB Endowment</i> , 2014 , 7, 1677-1680	3.1	24
62	Differentially Private Histogram Publication For Dynamic Datasets: An Adaptive Sampling Approach 2015 , 2015, 1001-1010	4.5	23
61	A community effort to protect genomic data sharing, collaboration and outsourcing. <i>Npj Genomic Medicine</i> , 2017 , 2, 33	6.2	22
60	SAFETY: Secure gwAs in Federated Environment through a hYbrid Solution. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2019 , 16, 93-102	3	21
59	SCOR: A secure international informatics infrastructure to investigate COVID-19. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2020 , 27, 1721-1726	8.6	20
58	PRESAGE: PRivity-preserving gEnetic testing via SoftwAre Guard Extension. <i>BMC Medical Genomics</i> , 2017 , 10, 48	3.7	19
57	Privacy-preserving techniques of genomic data-a survey. <i>Briefings in Bioinformatics</i> , 2019 , 20, 887-895	13.4	19
56	A Predictive Model for Determining Patients Not Requiring Prolonged Hospital Length of Stay After Elective Primary Total Hip Arthroplasty. <i>Anesthesia and Analgesia</i> , 2019 , 129, 43-50	3.9	16

55	Anticancer drug synergy prediction in understudied tissues using transfer learning. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2021 , 28, 42-51	8.6	16
54	Distributed learning from multiple EHR databases: Contextual embedding models for medical events. <i>Journal of Biomedical Informatics</i> , 2019 , 92, 103138	10.2	15
53	Discriminative and Distinct Phenotyping by Constrained Tensor Factorization. <i>Scientific Reports</i> , 2017 , 7, 1114	4.9	14
52	Privacy preserving RBF kernel support vector machine. <i>BioMed Research International</i> , 2014 , 2014, 827371	3.1	14
51	Drug Repurposing for COVID-19 using Graph Neural Network with Genetic, Mechanistic, and Epidemiological Validation 2020 ,		13
50	A patient-driven adaptive prediction technique to improve personalized risk estimation for clinical decision support. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2012 , 19, e137-44	8.6	12
49	Grid multi-category response logistic models. <i>BMC Medical Informatics and Decision Making</i> , 2015 , 15, 10	3.6	11
48	Differentially Private Synthesization of Multi-Dimensional Data using Copula Functions 2014 , 2014, 475-486		11
47	Big Data Privacy in Biomedical Research. <i>IEEE Transactions on Big Data</i> , 2020 , 6, 296-308	3.2	11
46	Privacy Policy and Technology in Biomedical Data Science. <i>Annual Review of Biomedical Data Science</i> , 2018 , 1, 115-129	5.6	11
45	Partitioning-based mechanisms under personalized differential privacy. <i>Lecture Notes in Computer Science</i> , 2017 , 10234, 615-627	0.9	10
44	Deep representation learning of patient data from Electronic Health Records (EHR): A systematic review. <i>Journal of Biomedical Informatics</i> , 2021 , 115, 103671	10.2	10
43	iDASH secure genome analysis competition 2017. <i>BMC Medical Genomics</i> , 2018 , 11, 85	3.7	9
42	COVID-19 TestNorm: A tool to normalize COVID-19 testing names to LOINC codes. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2020 , 27, 1437-1442	8.6	8
41	Identifying inference attacks against healthcare data repositories. <i>AMIA Summits on Translational Science Proceedings</i> , 2013 , 2013, 262-6	1.1	8
40	Privacy-Preserving Predictive Modeling: Harmonization of Contextual Embeddings From Different Sources. <i>JMIR Medical Informatics</i> , 2018 , 6, e33	3.6	8
39	Harmonized representation learning on dynamic EHR graphs. <i>Journal of Biomedical Informatics</i> , 2020 , 106, 103426	10.2	7
38	Multimodal Phenotyping of Alzheimer's Disease with Longitudinal Magnetic Resonance Imaging and Cognitive Function Data. <i>Scientific Reports</i> , 2020 , 10, 5527	4.9	7

37	Differential-Private Data Publishing Through Component Analysis 2013 , 6, 19-34		7
36	Patient ranking with temporally annotated data. <i>Journal of Biomedical Informatics</i> , 2018 , 78, 43-53	10.2	6
35	Secure Logistic Regression Based on Homomorphic Encryption: Design and Evaluation (Preprint)		6
34	Multiple imputation for analysis of incomplete data in distributed health data networks. <i>Nature Communications</i> , 2020 , 11, 5467	17.4	6
33	Human Endogenous Retroviruses in Glioblastoma Multiforme. <i>Microorganisms</i> , 2021 , 9,	4.9	6
32	Selecting Optimal Subset to release under Differentially Private M-estimators from Hybrid Datasets. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2018 , 30, 573-584	4.2	5
31	A collaborative framework for Distributed Privacy-Preserving Support Vector Machine learning 2012 , 2012, 1350-9	0.7	5
30	Drug repurposing for COVID-19 using graph neural network and harmonizing multiple evidence. <i>Scientific Reports</i> , 2021 , 11, 23179	4.9	5
29	Treating medical data as a durable asset. <i>Nature Genetics</i> , 2020 , 52, 1005-1010	36.3	5
28	VERTICOX: Vertically Distributed Cox Proportional Hazards Model Using the Alternating Direction Method of Multipliers. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2020 , 1-1	4.2	4
27	Predict or draw blood: An integrated method to reduce lab tests. <i>Journal of Biomedical Informatics</i> , 2020 , 104, 103394	10.2	4
26	Secure and Efficient Regression Analysis Using a Hybrid Cryptographic Framework: Development and Evaluation. <i>JMIR Medical Informatics</i> , 2018 , 6, e14	3.6	4
25	Ultrafast homomorphic encryption models enable secure outsourcing of genotype imputation. <i>Cell Systems</i> , 2021 , 12, 1108-1120.e4	10.6	4
24	Privacy-protecting, reliable response data discovery using COVID-19 patient observations. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2021 , 28, 1765-1776	8.6	3
23	Are synthetic clinical notes useful for real natural language processing tasks: A case study on clinical entity recognition. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2021 , 28, 2193-2201	8.6	3
22	Contact Tracing Apps: Lessons Learned on Privacy, Autonomy, and the Need for Detailed and Thoughtful Implementation. <i>JMIR Medical Informatics</i> , 2021 , 9, e27449	3.6	3
21	Genomes in the cloud: balancing privacy rights and the public good. <i>AMIA Summits on Translational Science Proceedings</i> , 2013 , 2013, 128	1.1	3
20	DiagTree 2017 ,		2

19	Structured Set Intra Prediction With Discriminative Learning in a Max-Margin Markov Network for High Efficiency Video Coding. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2013 , 23, 1941-1956	6.4	2
18	Factors Associated With COVID-19 Death in the United States: Cohort Study.. <i>JMIR Public Health and Surveillance</i> , 2022 ,	11.4	2
17	Temporal phenotyping for transitional disease progress: An application to epilepsy and Alzheimer's disease. <i>Journal of Biomedical Informatics</i> , 2020 , 107, 103462	10.2	1
16	SCOTCH: Secure Counting Of encryptEd genomIc data using a Hybrid approach 2017 , 2017, 1744-1753	0.7	1
15	A deep learning solution to recommend laboratory reduction strategies in ICU. <i>International Journal of Medical Informatics</i> , 2020 , 144, 104282	5.3	1
14	Model-Protected Multi-Task Learning. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2020 , PP,	13.3	1
13	Identification of de novo mutations in prenatal neurodevelopment-associated genes in schizophrenia in two Han Chinese patient-sibling family-based cohorts. <i>Translational Psychiatry</i> , 2020 , 10, 307	8.6	1
12	COVID-19 trial graph: a linked graph for COVID-19 clinical trials. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2021 , 28, 1964-1969	8.6	1
11	Hyperpolarized Magnetic Resonance and Artificial Intelligence: Frontiers of Imaging in Pancreatic Cancer. <i>JMIR Medical Informatics</i> , 2021 , 9, e26601	3.6	1
10	Privacy-preserving string search on encrypted genomic data using a generalized suffix tree. <i>Informatics in Medicine Unlocked</i> , 2021 , 23, 100525	5.3	1
9	Demystifying the Dark Web Opioid Trade: Content Analysis on Anonymous Market Listings and Forum Posts. <i>Journal of Medical Internet Research</i> , 2021 , 23, e24486	7.6	1
8	Noise-tolerant similarity search in temporal medical data. <i>Journal of Biomedical Informatics</i> , 2021 , 113, 103667	10.2	1
7	Privacy-preserving logistic regression with secret sharing.. <i>BMC Medical Informatics and Decision Making</i> , 2022 , 22, 89	3.6	1
6	Deep Learning for Alzheimer's Disease Drug Repurposing using Knowledge Graph and Multi-level Evidence		1
5	Calibrating predictive model estimates in a distributed network of patient data. <i>Journal of Biomedical Informatics</i> , 2021 , 117, 103758	10.2	0
4	Counterfactual analysis of differential comorbidity risk factors in Alzheimer's disease and related dementias 2022 , 1, e0000018		0
3	Deep graph convolutional network for US birth data harmonization.. <i>Journal of Biomedical Informatics</i> , 2021 , 125, 103974	10.2	
2	A secure system for genomics clinical decision support. <i>Journal of Biomedical Informatics</i> , 2020 , 112, 103602	6.0	

- 1 GenoPri'16: International Workshop on Genome Privacy and Security. *IEEE/ACM Transactions on Computational Biology and Bioinformatics*, **2018**, 15, 1403-1404 3