Xiaoqian Jiang

List of Publications by Year in Descending Order

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	Factors Associated With COVID-19 Death in the United States: Cohort Study.. *JMIR Public Health and Surveillance*, **2022**,	11.4	2
89	Counterfactual analysis of differential comorbidity risk factors in Alzheimer's disease and related dementias **2022**, 1, e0000018		0
88	Privacy-preserving logistic regression with secret sharing.. *BMC Medical Informatics and Decision Making*, **2022**, 22, 89	3.6	1
87	Deep graph convolutional network for US birth data harmonization.. *Journal of Biomedical Informatics*, **2021**, 125, 103974	10.2	
86	Drug repurposing for COVID-19 using graph neural network and harmonizing multiple evidence. *Scientific Reports*, **2021**, 11, 23179	4.9	5
85	Deep representation learning of patient data from Electronic Health Records (EHR): A systematic review. *Journal of Biomedical Informatics*, **2021**, 115, 103671	10.2	10
84	COVID-19 trial graph: a linked graph for COVID-19 clinical trials. *Journal of the American Medical Informatics Association: JAMIA*, **2021**, 28, 1964-1969	8.6	1
83	Human Endogenous Retroviruses in Glioblastoma Multiforme. *Microorganisms*, **2021**, 9,	4.9	6
82	Privacy-protecting, reliable response data discovery using COVID-19 patient observations. *Journal of the American Medical Informatics Association: JAMIA*, **2021**, 28, 1765-1776	8.6	3
81	Calibrating predictive model estimates in a distributed network of patient data. *Journal of Biomedical Informatics*, **2021**, 117, 103758	10.2	0
80	Hyperpolarized Magnetic Resonance and Artificial Intelligence: Frontiers of Imaging in Pancreatic Cancer. *JMIR Medical Informatics*, **2021**, 9, e26601	3.6	1
79	Are synthetic clinical notes useful for real natural language processing tasks: A case study on clinical entity recognition. *Journal of the American Medical Informatics Association: JAMIA*, **2021**, 28, 2193-2201	8.6	3
78	Contact Tracing Apps: Lessons Learned on Privacy, Autonomy, and the Need for Detailed and Thoughtful Implementation. *JMIR Medical Informatics*, **2021**, 9, e27449	3.6	3
77	Anticancer drug synergy prediction in understudied tissues using transfer learning. *Journal of the American Medical Informatics Association: JAMIA*, **2021**, 28, 42-51	8.6	16
76	Privacy-preserving string search on encrypted genomic data using a generalized suffix tree. *Informatics in Medicine Unlocked*, **2021**, 23, 100525	5.3	1
75	Demystifying the Dark Web Opioid Trade: Content Analysis on Anonymous Market Listings and Forum Posts. *Journal of Medical Internet Research*, **2021**, 23, e24486	7.6	1
74	Ultrafast homomorphic encryption models enable secure outsourcing of genotype imputation. *Cell Systems*, **2021**, 12, 1108-1120.e4	10.6	4

73	Noise-tolerant similarity search in temporal medical data. *Journal of Biomedical Informatics*, **2021**, 113, 103667	10.2	1
72	Harmonized representation learning on dynamic EHR graphs. *Journal of Biomedical Informatics*, **2020**, 106, 103426	10.2	7
71	COVID-19 TestNorm: A tool to normalize COVID-19 testing names to LOINC codes. *Journal of the American Medical Informatics Association: JAMIA*, **2020**, 27, 1437-1442	8.6	8
70	Temporal phenotyping for transitional disease progress: An application to epilepsy and Alzheimer's disease. *Journal of Biomedical Informatics*, **2020**, 107, 103462	10.2	1
69	VERTICOX: Vertically Distributed Cox Proportional Hazards Model Using the Alternating Direction Method of Multipliers. *IEEE Transactions on Knowledge and Data Engineering*, **2020**, 1-1	4.2	4
68	Predict or draw blood: An integrated method to reduce lab tests. *Journal of Biomedical Informatics*, **2020**, 104, 103394	10.2	4
67	Multimodal Phenotyping of Alzheimer's Disease with Longitudinal Magnetic Resonance Imaging and Cognitive Function Data. *Scientific Reports*, **2020**, 10, 5527	4.9	7
66	Drug Repurposing for COVID-19 using Graph Neural Network with Genetic, Mechanistic, and Epidemiological Validation **2020**,		13
65	A deep learning solution to recommend laboratory reduction strategies in ICU. *International Journal of Medical Informatics*, **2020**, 144, 104282	5.3	1
64	SCOR: A secure international informatics infrastructure to investigate COVID-19. *Journal of the American Medical Informatics Association: JAMIA*, **2020**, 27, 1721-1726	8.6	20
63	Multiple imputation for analysis of incomplete data in distributed health data networks. *Nature Communications*, **2020**, 11, 5467	17.4	6
62	A secure system for genomics clinical decision support. *Journal of Biomedical Informatics*, **2020**, 112, 103602		2
61	Model-Protected Multi-Task Learning. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2020**, PP,	13.3	1
60	Identification of de novo mutations in prenatal neurodevelopment-associated genes in schizophrenia in two Han Chinese patient-sibling family-based cohorts. *Translational Psychiatry*, **2020**, 10, 307	8.6	1
59	Treating medical data as a durable asset. *Nature Genetics*, **2020**, 52, 1005-1010	36.3	5
58	Big Data Privacy in Biomedical Research. *IEEE Transactions on Big Data*, **2020**, 6, 296-308	3.2	11
57	Distributed learning from multiple EHR databases: Contextual embedding models for medical events. *Journal of Biomedical Informatics*, **2019**, 92, 103138	10.2	15
56	A Predictive Model for Determining Patients Not Requiring Prolonged Hospital Length of Stay After Elective Primary Total Hip Arthroplasty. *Anesthesia and Analgesia*, **2019**, 129, 43-50	3.9	16

55	Privacy-preserving techniques of genomic data-a survey. *Briefings in Bioinformatics*, **2019**, 20, 887-895	13.4	19
54	SAFETY: Secure gwAs in Federated Environment through a hYbrid Solution. *IEEE/ACM Transactions on Computational Biology and Bioinformatics*, **2019**, 16, 93-102	3	21
53	Patient ranking with temporally annotated data. *Journal of Biomedical Informatics*, **2018**, 78, 43-53	10.2	6
52	Selecting Optimal Subset to release under Differentially Private M-estimators from Hybrid Datasets. *IEEE Transactions on Knowledge and Data Engineering*, **2018**, 30, 573-584	4.2	5
51	Deep learning for healthcare: review, opportunities and challenges. *Briefings in Bioinformatics*, **2018**, 19, 1236-1246	13.4	762
50	Privacy-Preserving Patient Similarity Learning in a Federated Environment: Development and Analysis. *JMIR Medical Informatics*, **2018**, 6, e20	3.6	53
49	Secure Logistic Regression Based on Homomorphic Encryption: Design and Evaluation. *JMIR Medical Informatics*, **2018**, 6, e19	3.6	71
48	Privacy-Preserving Predictive Modeling: Harmonization of Contextual Embeddings From Different Sources. *JMIR Medical Informatics*, **2018**, 6, e33	3.6	8
47	Secure and Efficient Regression Analysis Using a Hybrid Cryptographic Framework: Development and Evaluation. *JMIR Medical Informatics*, **2018**, 6, e14	3.6	4
46	GenoPri'16: International Workshop on Genome Privacy and Security. *IEEE/ACM Transactions on Computational Biology and Bioinformatics*, **2018**, 15, 1403-1404	3	
45	iDASH secure genome analysis competition 2017. *BMC Medical Genomics*, **2018**, 11, 85	3.7	9
44	Secure Outsourced Matrix Computation and Application to Neural Networks **2018**, 2018, 1209-1222		62
43	Privacy Policy and Technology in Biomedical Data Science. *Annual Review of Biomedical Data Science*, **2018**, 1, 115-129	5.6	11
42	PRINCESS: Privacy-protecting Rare disease International Network Collaboration via Encryption through Software guard extensionS. *Bioinformatics*, **2017**, 33, 871-878	7.2	36
41	Discriminative and Distinct Phenotyping by Constrained Tensor Factorization. *Scientific Reports*, **2017**, 7, 1114	4.9	14
40	Partitioning-based mechanisms under personalized differential privacy. *Lecture Notes in Computer Science*, **2017**, 10234, 615-627	0.9	10
39	Addressing Beacon re-identification attacks: quantification and mitigation of privacy risks. *Journal of the American Medical Informatics Association: JAMIA*, **2017**, 24, 799-805	8.6	43
38	A community effort to protect genomic data sharing, collaboration and outsourcing. *Npj Genomic Medicine*, **2017**, 2, 33	6.2	22

37	DiagTree **2017**,		2
36	PRESAGE: PRivacy-preserving gEnetic testing via SoftwAre Guard Extension. *BMC Medical Genomics* , **2017**, 10, 48	3.7	19
35	Federated Tensor Factorization for Computational Phenotyping. *KDD: Proceedings*, **2017**, 2017, 887-895	6.8	30
34	SCOTCH: Secure Counting Of encrypTed genomiC data using a Hybrid approach **2017**, 2017, 1744-1753	0.7	1
33	Secure Multi-pArty Computation Grid LOgistic REgression (SMAC-GLORE). *BMC Medical Informatics and Decision Making*, **2016**, 16 Suppl 3, 89	3.6	27
32	HEALER: homomorphic computation of ExAct Logistic rEgRession for secure rare disease variants analysis in GWAS. *Bioinformatics*, **2016**, 32, 211-8	7.2	37
31	Lessons Learned for Online Health Community Moderator Roles: A Mixed-Methods Study of Moderators Resigning From WebMD Communities. *Journal of Medical Internet Research*, **2016**, 18, e247	7.6	25
30	A Predictive Model for Medical Events Based on Contextual Embedding of Temporal Sequences. *JMIR Medical Informatics*, **2016**, 4, e39	3.6	26
29	Protecting genomic data analytics in the cloud: state of the art and opportunities. *BMC Medical Genomics*, **2016**, 9, 63	3.7	30
28	Grid multi-category response logistic models. *BMC Medical Informatics and Decision Making*, **2015**, 15, 10	3.6	11
27	WebDISCO: a web service for distributed cox model learning without patient-level data sharing. *Journal of the American Medical Informatics Association: JAMIA*, **2015**, 22, 1212-9	8.6	58
26	Privacy-preserving GWAS analysis on federated genomic datasets. *BMC Medical Informatics and Decision Making*, **2015**, 15 Suppl 5, S2	3.6	30
25	FORESEE: Fully Outsourced secuRe gEnome Study basEd on homomorphic Encryption. *BMC Medical Informatics and Decision Making*, **2015**, 15 Suppl 5, S5	3.6	32
24	Differentially Private Histogram Publication For Dynamic Datasets: An Adaptive Sampling Approach **2015**, 2015, 1001-1010	4.5	23
23	pSCANNER: patient-centered Scalable National Network for Effectiveness Research. *Journal of the American Medical Informatics Association: JAMIA*, **2014**, 21, 621-6	8.6	59
22	DPSynthesizer: Differentially Private Data Synthesizer for Privacy Preserving Data Sharing. *Proceedings of the VLDB Endowment*, **2014**, 7, 1677-1680	3.1	24
21	A community assessment of privacy preserving techniques for human genomes. *BMC Medical Informatics and Decision Making*, **2014**, 14 Suppl 1, S1	3.6	37
20	Privacy preserving RBF kernel support vector machine. *BioMed Research International*, **2014**, 2014, 827371	7.3	14

#	Title		
19	Differentially Private Synthesization of Multi-Dimensional Data using Copula Functions **2014**, 2014, 475-486		11
18	EXpectation Propagation LOgistic REgRession (EXPLORER): distributed privacy-preserving online model learning. *Journal of Biomedical Informatics*, **2013**, 46, 480-96	10.2	47
17	SHARE: system design and case studies for statistical health information release. *Journal of the American Medical Informatics Association: JAMIA*, **2013**, 20, 109-16	8.6	26
16	WebGLORE: a web service for Grid LOgistic REgression. *Bioinformatics*, **2013**, 29, 3238-40	7.2	30
15	Privacy-preserving heterogeneous health data sharing. *Journal of the American Medical Informatics Association: JAMIA*, **2013**, 20, 462-9	8.6	30
14	Structured Set Intra Prediction With Discriminative Learning in a Max-Margin Markov Network for High Efficiency Video Coding. *IEEE Transactions on Circuits and Systems for Video Technology*, **2013**, 23, 1941-1956	6.4	2
13	Privacy technology to support data sharing for comparative effectiveness research: a systematic review. *Medical Care*, **2013**, 51, S58-65	3.1	26
12	Identifying inference attacks against healthcare data repositories. *AMIA Summits on Translational Science Proceedings*, **2013**, 2013, 262-6	1.1	8
11	Differential-Private Data Publishing Through Component Analysis **2013**, 6, 19-34		7
10	Genomes in the cloud: balancing privacy rights and the public good. *AMIA Summits on Translational Science Proceedings*, **2013**, 2013, 128	1.1	3
9	Calibrating predictive model estimates to support personalized medicine. *Journal of the American Medical Informatics Association: JAMIA*, **2012**, 19, 263-74	8.6	52
8	iDASH: integrating data for analysis, anonymization, and sharing. *Journal of the American Medical Informatics Association: JAMIA*, **2012**, 19, 196-201	8.6	114
7	A patient-driven adaptive prediction technique to improve personalized risk estimation for clinical decision support. *Journal of the American Medical Informatics Association: JAMIA*, **2012**, 19, e137-44	8.6	12
6	Grid Binary LOgistic REgression (GLORE): building shared models without sharing data. *Journal of the American Medical Informatics Association: JAMIA*, **2012**, 19, 758-64	8.6	107
5	A collaborative framework for Distributed Privacy-Preserving Support Vector Machine learning **2012**, 2012, 1350-9	0.7	5
4	Privacy-preserving SVM using nonlinear kernels on horizontally partitioned data **2006**,		109
3	Privacy-Preserving SVM Classification on Vertically Partitioned Data. *Lecture Notes in Computer Science*, **2006**, 647-656	0.9	96
2	Secure Logistic Regression Based on Homomorphic Encryption: Design and Evaluation (Preprint)		6

LIST OF PUBLICATIONS