

PRINCESS: Privacy-protecting Rare disease International Encryption through Software guard extensions

Bioinformatics

33, 871-878

DOI: [10.1093/bioinformatics/btw758](https://doi.org/10.1093/bioinformatics/btw758)

Citation Report

#	ARTICLE	IF	CITATIONS
1	SQC: secure quality control for meta-analysis of genome-wide association studies. <i>Bioinformatics</i> , 2017, 33, 2273-2280.	1.8	8
2	Mechanisms to protect the privacy of families when using the transmission disequilibrium test in genome-wide association studies. <i>Bioinformatics</i> , 2017, 33, 3716-3725.	1.8	20
3	Deriving genomic diagnoses without revealing patient genomes. <i>Science</i> , 2017, 357, 692-695.	6.0	110
4	A community effort to protect genomic data sharing, collaboration and outsourcing. <i>Npj Genomic Medicine</i> , 2017, 2, 33.	1.7	33
5	Genomic Privacy Preserving Framework for High-Order SNPs Linkage Disequilibrium on Correlated Sequences. , 2017, , .		2
6	PRESAGE: PRiVacy-preserving gEnetic testing via SoftwAre Guard Extension. <i>BMC Medical Genomics</i> , 2017, 10, 48.	0.7	32
7	A Community Effort to Protect Genomic Data Sharing, Collaboration and Outsourcing. <i>SSRN Electronic Journal</i> , 2017, , .	0.4	0
8	PriLive: privacy-preserving real-time filtering for next-generation sequencing. <i>Bioinformatics</i> , 2018, 34, 2376-2383.	1.8	5
9	Secure Count Query on Encrypted Genomic Data: A Survey. <i>IEEE Internet Computing</i> , 2018, 22, 71-82.	3.2	5
10	A utility maximizing and privacy preserving approach for protecting kinship in genomic databases. <i>Bioinformatics</i> , 2018, 34, 181-189.	1.8	10
11	Secure top most significant genome variants search: iDASH 2017 competition. <i>BMC Medical Genomics</i> , 2018, 11, 82.	0.7	13
12	An information-aware visualization for privacy-preserving accelerometer data sharing. <i>Human-centric Computing and Information Sciences</i> , 2018, 8, .	6.1	13
13	AnoniMME: bringing anonymity to the Matchmaker Exchange platform for rare disease gene discovery. <i>Bioinformatics</i> , 2018, 34, i160-i168.	1.8	4
14	Machine learning and genomics: precision medicine versus patient privacy. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2018, 376, 20170350.	1.6	46
15	Patient Similarity Networks for Precision Medicine. <i>Journal of Molecular Biology</i> , 2018, 430, 2924-2938.	2.0	93
16	SecureLR: Secure Logistic Regression Model via a Hybrid Cryptographic Protocol. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2019, 16, 113-123.	1.9	26
17	MedCo: Enabling Secure and Privacy-Preserving Exploration of Distributed Clinical and Genomic Data. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2019, 16, 1328-1341.	1.9	58
18	A Look to the Future. , 2019, , 271-288.		0

#	ARTICLE	IF	CITATIONS
19	Considerations for Genomic Data Privacy and Security when Working in the Cloud. Journal of Molecular Diagnostics, 2019, 21, 542-552.	1.2	40
20	Translational Informatics for Parkinson's Disease: from Big Biomedical Data to Small Actionable Alterations. Genomics, Proteomics and Bioinformatics, 2019, 17, 415-429.	3.0	25
21	Secure and Private Function Evaluation with Intel SGX. , 2019, , .		13
22	Proof-of-concept study: Homomorphically encrypted data can support real-time learning in personalized cancer medicine. BMC Medical Informatics and Decision Making, 2019, 19, 255.	1.5	9
23	Ethical issues in HIV phylogenetics and molecular epidemiology. Current Opinion in HIV and AIDS, 2019, 14, 221-226.	1.5	18
24	Privacy-preserving techniques of genomic data—a survey. Briefings in Bioinformatics, 2019, 20, 887-895.	3.2	39
25	SAFETY: Secure gWAs in Federated Environment through a hYbrid Solution. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2019, 16, 93-102.	1.9	36
26	Cardioinformatics: the nexus of bioinformatics and precision cardiology. Briefings in Bioinformatics, 2020, 21, 2031-2051.	3.2	15
27	Privacy-preserving construction of generalized linear mixed model for biomedical computation. Bioinformatics, 2020, 36, i128-i135.	1.8	15
28	Privacy-preserving semi-parallel logistic regression training with fully homomorphic encryption. BMC Medical Genomics, 2020, 13, 88.	0.7	19
29	A secure system for genomics clinical decision support. Journal of Biomedical Informatics, 2020, 112, 103602.	2.5	1
30	Privacy-preserving approximate GWAS computation based on homomorphic encryption. BMC Medical Genomics, 2020, 13, 77.	0.7	19
31	Treating medical data as a durable asset. Nature Genetics, 2020, 52, 1005-1010.	9.4	25
32	Privacy-Preserving Genome-Wide Association Study for Rare Mutations - A Secure FrameWork for Externalized Statistical Analysis. IEEE Access, 2020, 8, 112515-112529.	2.6	2
33	Trusted execution environment with Intel SGX. , 2020, , 161-190.		3
35	Privacy challenges and research opportunities for genomic data sharing. Nature Genetics, 2020, 52, 646-654.	9.4	85
36	Encryption algorithm for network communication information based on binary logistic regression. Journal of Intelligent and Fuzzy Systems, 2020, 39, 1627-1637.	0.8	0
37	Secure multiparty computation for privacy-preserving drug discovery. Bioinformatics, 2020, 36, 2872-2880.	1.8	21

#	ARTICLE	IF	CITATIONS
38	A novel privacy-preserving federated genome-wide association study framework and its application in identifying potential risk variants in ankylosing spondylitis. Briefings in Bioinformatics, 2021, 22, .	3.2	10
39	Precision health data: Requirements, challenges and existing techniques for data security and privacy. Computers in Biology and Medicine, 2021, 129, 104130.	3.9	80
40	Identifying disease-causing mutations with privacy protection. Bioinformatics, 2021, 36, 5205-5213.	1.8	3
41	Rare Variants Analysis in Genetic Association Studies with Privacy Protection via Hybrid System. Lecture Notes in Computer Science, 2021, , 174-191.	1.0	0
42	A computational workflow for the detection of candidate diagnostic biomarkers of Kawasaki disease using time-series gene expression data. Computational and Structural Biotechnology Journal, 2021, 19, 3058-3068.	1.9	8
44	Privacy-preserving genotype imputation in a trusted execution environment. Cell Systems, 2021, 12, 983-993.e7.	2.9	13
45	A survey on genomic data by privacy-preserving techniques perspective. Computational Biology and Chemistry, 2021, 93, 107538.	1.1	5
46	Implementing Privacy-Preserving Genotype Analysis with Consideration for Population Stratification. Cryptography, 2021, 5, 21.	1.4	4
49	A Framework for Privacy-Preserving Genomic Data Analysis Using Trusted Execution Environments. , 2020, , .		2
50	Evaluation of Privacy Risks of Patientsâ€™ Data in China: Case Study. JMIR Medical Informatics, 2020, 8, e13046.	1.3	10
51	Systematizing Genome Privacy Research: A Privacy-Enhancing Technologies Perspective. Proceedings on Privacy Enhancing Technologies, 2019, 2019, 87-107.	2.3	26
53	How Much Does GenoGuard Really "Guard"?. , 2019, , .		1
54	HySec-Flow: Privacy-Preserving Genomic Computing with SGX-based Big-Data Analytics Framework. , 2021, , .		2
55	Feasibility of Homomorphic Encryption for Sharing I2B2 Aggregate-Level Data in the Cloud. AMIA Summits on Translational Science Proceedings, 2018, 2017, 176-185.	0.4	3
56	SCOTCH: Secure Counting Of encryptEd genomiC data using a Hybrid approach. AMIA ... Annual Symposium proceedings, 2017, 2017, 1744-1753.	0.2	1
57	VERTical Grid lOgistic regression with Confidence Intervals (VERTIGO-CI). AMIA Summits on Translational Science Proceedings, 2021, 2021, 355-364.	0.4	0
58	A Non-interactive Multi-user Protocol for Private Authorised Query Processing on Genomic Data. Lecture Notes in Computer Science, 2021, , 70-94.	1.0	1
59	Digital DNA lifecycle security and privacy: an overview. Briefings in Bioinformatics, 2022, 23, .	3.2	5

#	ARTICLE	IF	CITATIONS
60	Privacy-Preserving Artificial Intelligence Techniques in Biomedicine. <i>Methods of Information in Medicine</i> , 2022, 61, e12-e27.	0.7	14
61	Privacy-preserving collaborative machine learning in biomedical applications. , 2022, , .		4
62	Sociotechnical safeguards for genomic data privacy. <i>Nature Reviews Genetics</i> , 2022, 23, 429-445.	7.7	40
63	Collaborative analysis of genomic data: vision and challenges. , 2021, , .		1
65	SVAT: Secure outsourcing of variant annotation and genotype aggregation. <i>BMC Bioinformatics</i> , 2022, 23, .	1.2	1
66	Urgency of Law Amendment as Foundation of The Implementation of Cyber Notary. <i>Law Reform</i> , 2021, 17, 214-231.	0.1	3
67	Detecting and Warning Abnormal Transaction of Virtual Cryptocurrency Based on Privacy Protection Framework. , 2022, , .		0
68	MixNN. , 2022, , .		3
69	Secure and distributed assessment of privacy-preserving GWAS releases. , 2022, , .		1
70	Security, privacy, and trust management in DNA computing. <i>Advances in Computers</i> , 2023, , 39-81.	1.2	2
71	Intel Software Guard Extensions Applications: A Survey. <i>ACM Computing Surveys</i> , 2023, 55, 1-38.	16.1	2
72	Security Vulnerabilities and Countermeasures for the Biomedical Data Life Cycle. , 2023, , 79-93.		0
73	SecureFASTA: Ensuring privacy and trust when sharing genomic data. , 2023, , .		0