Miran Kim

List of Publications by Year
in descending order

21 papers	1,899 citations	566801 15 h-index	887659 17 g-index
24 all docs	24 docs citations	24 times ranked	856 citing authors

#	Article	IF	Citations
1	Efficient Homomorphic Conversion Between (Ring) LWE Ciphertexts. Lecture Notes in Computer Science, 2021, , 460-479.	1.0	15
2	Ultrafast homomorphic encryption models enable secure outsourcing of genotype imputation. Cell Systems, 2021, 12, 1108-1120.e4.	2.9	30
3	Introduction to Homomorphic Encryption and Schemes. , 2021, , 3-28.		6
4	Secure and Differentially Private Logistic Regression for Horizontally Distributed Data. IEEE Transactions on Information Forensics and Security, 2020, 15, 695-710.	4.5	41
5	A secure system for genomics clinical decision support. Journal of Biomedical Informatics, 2020, 112, 103602.	2.5	1
6	Semi-Parallel logistic regression for GWAS on encrypted data. BMC Medical Genomics, 2020, 13, 99.	0.7	16
7	Maliciously Secure Matrix Multiplication with Applications to Private Deep Learning. Lecture Notes in Computer Science, 2020, , 31-59.	1.0	17
8	A Full RNS Variant of Approximate Homomorphic Encryption. Lecture Notes in Computer Science, 2019, 11349, 347-368.	1.0	77
9	Efficient Multi-Key Homomorphic Encryption with Packed Ciphertexts with Application to Oblivious Neural Network Inference. , 2019, , .		102
10	Bootstrapping for Approximate Homomorphic Encryption. Lecture Notes in Computer Science, 2018, , 360-384.	1.0	128
11	Logistic regression model training based on the approximate homomorphic encryption. BMC Medical Genomics, 2018, 11, 83.	0.7	101
12	Secure Outsourced Matrix Computation and Application to Neural Networks. , 2018, 2018, 1209-1222.		131
13	Secure Logistic Regression Based on Homomorphic Encryption: Design and Evaluation. JMIR Medical Informatics, 2018, 6, e19.	1.3	128
14	Homomorphic Encryption for Arithmetic of Approximate Numbers. Lecture Notes in Computer Science, 2017, , 409-437.	1.0	686
15	Secure searching of biomarkers through hybrid homomorphic encryption scheme. BMC Medical Genomics, 2017, 10, 42.	0.7	21
16	HEALER: homomorphic computation of ExAct Logistic rEgRession for secure rare disease variants analysis in GWAS. Bioinformatics, 2016, 32, 211-218.	1.8	76
17	Encrypting Controller using Fully Homomorphic Encryption for Security of Cyber-Physical Systems**The work of J. Kim, C. Lee, and H. Shim was supported by ICT R & D program of MSIP/IITP Grant number 14-824-09-013, Resilient Cyber-Physical Systems Research. The work of J. H. Cheon, A. Kim, M. Kim, and Y. Song was supported by IT R & D program of MSIP/KEIT [No. 0450-21060006] and Samsung Electronics Co., Ltd. (No. 0421-20150074). IFAC-PapersOnLine, 2016, 49, 175-180.	0.5	87
18	Optimized Search-and-Compute Circuits and Their Application to Query Evaluation on Encrypted Data. IEEE Transactions on Information Forensics and Security, 2016, 11, 188-199.	4.5	44

#	Article	IF	Citations
19	Private genome analysis through homomorphic encryption. BMC Medical Informatics and Decision Making, 2015, 15, S3.	1.5	78
20	Search-and-Compute on Encrypted Data. Lecture Notes in Computer Science, 2015, , 142-159.	1.0	30
21	Homomorphic Computation of Edit Distance. Lecture Notes in Computer Science, 2015, , 194-212.	1.0	82