

Miran Kim

List of Publications by Year in descending order

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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	Homomorphic Encryption for Arithmetic of Approximate Numbers. Lecture Notes in Computer Science, 2017, , 409-437.	1.0	686
2	Secure Outsourced Matrix Computation and Application to Neural Networks. , 2018, 2018, 1209-1222.		131
3	Bootstrapping for Approximate Homomorphic Encryption. Lecture Notes in Computer Science, 2018, , 360-384.	1.0	128
4	Secure Logistic Regression Based on Homomorphic Encryption: Design and Evaluation. JMIR Medical Informatics, 2018, 6, e19.	1.3	128
5	Efficient Multi-Key Homomorphic Encryption with Packed Ciphertexts with Application to Oblivious Neural Network Inference. , 2019, , .		102
6	Logistic regression model training based on the approximate homomorphic encryption. BMC Medical Genomics, 2018, 11, 83.	0.7	101
7	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
8	Homomorphic Computation of Edit Distance. Lecture Notes in Computer Science, 2015, , 194-212.	1.0	82
9	Private genome analysis through homomorphic encryption. BMC Medical Informatics and Decision Making, 2015, 15, S3.	1.5	78
10	A Full RNS Variant of Approximate Homomorphic Encryption. Lecture Notes in Computer Science, 2019, 11349, 347-368.	1.0	77
11	HEALER: homomorphic computation of ExAct Logistic rEgRession for secure rare disease variants analysis in GWAS. Bioinformatics, 2016, 32, 211-218.	1.8	76
12	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
13	Secure and Differentially Private Logistic Regression for Horizontally Distributed Data. IEEE Transactions on Information Forensics and Security, 2020, 15, 695-710.	4.5	41
14	Search-and-Compute on Encrypted Data. Lecture Notes in Computer Science, 2015, , 142-159.	1.0	30
15	Ultrafast homomorphic encryption models enable secure outsourcing of genotype imputation. Cell Systems, 2021, 12, 1108-1120.e4.	2.9	30
16	Secure searching of biomarkers through hybrid homomorphic encryption scheme. BMC Medical Genomics, 2017, 10, 42.	0.7	21
17	Maliciously Secure Matrix Multiplication with Applications to Private Deep Learning. Lecture Notes in Computer Science, 2020, , 31-59.	1.0	17
18	Semi-Parallel logistic regression for GWAS on encrypted data. BMC Medical Genomics, 2020, 13, 99.	0.7	16

#	ARTICLE	IF	CITATIONS
19	Efficient Homomorphic Conversion Between (Ring) LWE Ciphertexts. Lecture Notes in Computer Science, 2021, , 460-479.	1.0	15
20	Introduction to Homomorphic Encryption and Schemes. , 2021, , 3-28.		6
21	A secure system for genomics clinical decision support. Journal of Biomedical Informatics, 2020, 112, 103602.	2.5	1