Yongsoo Song

List of Publications by Year
in descending order

23	1,868	516215	794141
23 papers	**1,868** citations	**16** h-index	**19** g-index
25 all docs	**25** docs citations	**25** times ranked	**827** 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	Privacy-Oriented Technique for COVID-19 Contact Tracing (PROTECT) Using Homomorphic Encryption: Design and Development Study. Journal of Medical Internet Research, 2021, 23, e26371.	2.1	16
3	Ultrafast homomorphic encryption models enable secure outsourcing of genotype imputation. Cell Systems, 2021, 12, 1108-1120.e4.	2.9	30
4	Introduction to Homomorphic Encryption and Schemes. , 2021, , 3-28.		6
5	Semi-Parallel logistic regression for GWAS on encrypted data. BMC Medical Genomics, 2020, 13, 99.	0.7	16
6	Maliciously Secure Matrix Multiplication with Applications to Private Deep Learning. Lecture Notes in Computer Science, 2020, , 31-59.	1.0	17
7	SecureLR: Secure Logistic Regression Model via a Hybrid Cryptographic Protocol. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2019, 16, 113-123.	1.9	26
8	Improved Bootstrapping for Approximate Homomorphic Encryption. Lecture Notes in Computer Science, 2019, , 34-54.	1.0	63
9	A Full RNS Variant of Approximate Homomorphic Encryption. Lecture Notes in Computer Science, 2019, 11349, 347-368.	1.0	77
10	Efficient Multi-Key Homomorphic Encryption with Packed Ciphertexts with Application to Oblivious Neural Network Inference. , 2019, , .		102
11	Approximate Homomorphic Encryption over the Conjugate-Invariant Ring. Lecture Notes in Computer Science, 2019, , 85-102.	1.0	4
12	Multi-Key Homomorphic Encryption from TFHE. Lecture Notes in Computer Science, 2019, , 446-472.	1.0	35
13	Bootstrapping for Approximate Homomorphic Encryption. Lecture Notes in Computer Science, 2018, , 360-384.	1.0	128
14	Toward a Secure Drone System: Flying With Real-Time Homomorphic Authenticated Encryption. IEEE Access, 2018, 6, 24325-24339.	2.6	88
15	Logistic regression model training based on the approximate homomorphic encryption. BMC Medical Genomics, 2018, 11, 83.	0.7	101
16	Secure Outsourced Matrix Computation and Application to Neural Networks. , 2018, 2018, 1209-1222.		131
17	Ensemble Method for Privacy-Preserving Logistic Regression Based on Homomorphic Encryption. IEEE Access, 2018, 6, 46938-46948.	2.6	51
18	Lizard: Cut Off the Tail! A Practical Post-quantum Public-Key Encryption from LWE and LWR. Lecture Notes in Computer Science, 2018, , 160-177.	1.0	31

#	Article	IF	Citations
19	Secure Logistic Regression Based on Homomorphic Encryption: Design and Evaluation. JMIR Medical Informatics, 2018, 6, e19.	1.3	128
20	Homomorphic Encryption for Arithmetic of Approximate Numbers. Lecture Notes in Computer Science, 2017, , 409-437.	1.0	686
21	Secure searching of biomarkers through hybrid homomorphic encryption scheme. BMC Medical Genomics, 2017, 10, 42.	0.7	21
22	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
23	The discrete logarithm problem with auxiliary inputs. , 2014, , 71-92.		2